



SDMS DocID

466912

ACTING TO
P. 1000000
LEGAL DIV

PT 1000000

1968

TRANSPORTATION

Superfund Records Center

Wells G&H

11.9

EXH 13 466912

FOOD

GRACE

CHEMICALS

PAPER

PRODUCT GUIDE

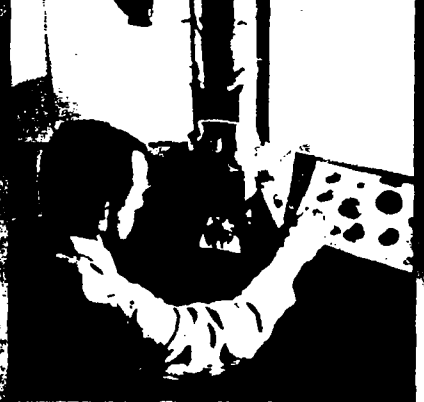
Coating container tops with
Dewey and Almy sealants
INDUSTRIAL CHEMICALS GROUP



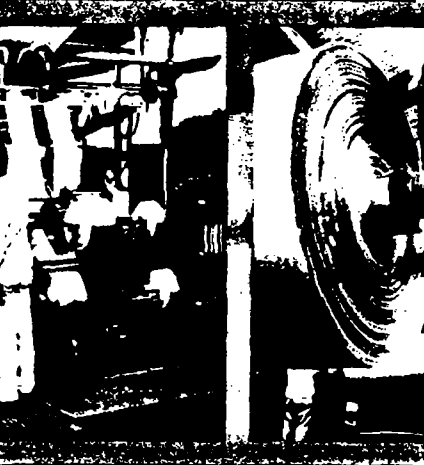
Water treatment
chemicals are
manufactured to suit
individual customer
requirements
PURITY PRODUCTS GROUP



Electron microscope
studies at the
Washington
Research Center
RESEARCH DIVISION



Grace fertilizers
increase crop yields
AGRICULTURAL CHEMICALS GROUP



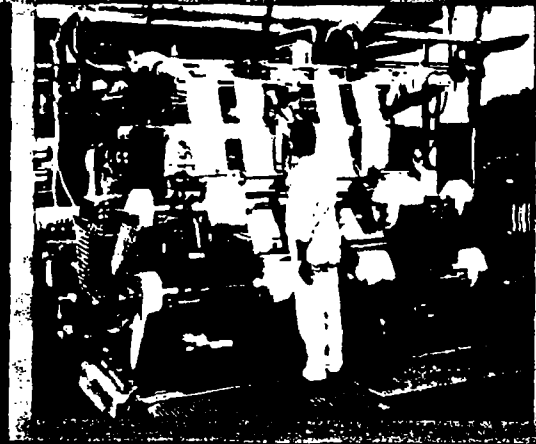
Grace papers serve many
Latin American markets
LATIN AMERICAN GROUP

Filling aerosol cans
with penetrating oil
at Teroson in West Germany
OVERSEAS CHEMICAL DIVISION

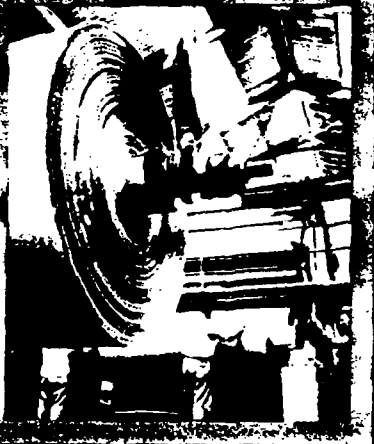


Production of molecular sieves
Davison Chemical Division

INDUSTRIAL CHEMICALS GROUP



Quality control is a
byword in Grace packaging
CRYOVAC DIVISION





1968

PRODUCT GUIDE

W. R. GRACE & CO.

7 HANOVER SQUARE NEW YORK, N. Y. 10005

CONTENTS

The Worlds of Grace	3
Research and Tomorrow's Technology.	3
Index of Grace Operating Units	4
How to Use the Product Guide	6
Index of Products—Including Principal Trademarks and Trade Names	7-28

Major Operating Units—W. R. Grace & Co.

(Complete index, p. 4)

Agricultural Chemicals Group	29
Cryovac Division	41
Hatco Group	45
Industrial Chemicals Group	53
Nuclear Fuel Services, Inc.	81
Specialty Products Group	82
Latin American Group	90
Consumer Products Group	105
Grace Line Inc.	111
Grace Petroleum Corporation	112

NOTES

In this publication, W. R. Grace & Co. refers to one or more of its subsidiary companies or affiliates. All of Grace's operations outside of the United States, as well as some of its United States operations, are carried on through subsidiaries and affiliates. The names of subsidiary companies are given where useful.

We believe the information contained herein to be accurate, but no representations or warranties of any kind are made with respect to such information, and neither Grace nor any of its subsidiaries or affiliates shall be liable on account of the use thereof. Grace does not hereby suggest, recommend or consent to the use of any process or to the manufacture, use or sale of any product in violation of existing or future patents owned by Grace or others.

Trademarks and trade names are indicated as registered or unregistered with regard to their status in the United States of America. No other statement concerning the registry or status in other countries is made or intended, nor should it be inferred from the information contained herein.

Printed in the United States of America

Copyright 1968, W. R. Grace & Co.

The Worlds of Grace

The story of W. R. Grace & Co. began in 1850 when William Russell Grace decided to seek his fortune in South America. With a group of Irish emigrants, Grace sailed for Callao, Peru, where he embarked upon a business career that led to the founding of W. R. Grace & Co. in 1854.

W. R. Grace & Co. first gained preeminence in Latin American shipping and commodity trading and over the years expanded its activities to include international manufacturing, shipping, banking and air transportation.

Beginning in the early 1950's chemicals became another World of Grace. Since then, the company has established a strong position in the manufacturing and marketing of agricultural and industrial chemicals, specialty chemicals, and plastics and packaging materials. Today chemical operations account for more than two thirds of consolidated company sales and revenues.

W. R. Grace & Co.'s imaginative and innovative progress also includes the worlds of domestic and foreign consumer products, paper manufacturing, and mining in Latin America; petroleum and nuclear energy.

These many Worlds of Grace are made up of over 67,660 people working in more than 375 plants, 600 sales offices and distribution facilities in 47 states and 46 countries.

Research and Tomorrow's Technology

Tomorrow's technology lies in the frontiers of today's knowledge. The continuing growth of the Worlds of Grace depends on the Research Division's constant search for new processes and products for tomorrow's needs. The Group's varied activities benefit Grace customers through continuing product development and technical services.

The hub of this research program is the Washington Research Center at Clarksville, Maryland. Here, and at other laboratories and experimental centers throughout the world, more than 1,200 scientists, technicians and supporting staff conduct basic and applied research investigating new approaches to product and process development that will give tomorrow's markets that *extra touch of Grace*.

OPERATING UNITS— Domestic and Canada

	Page
Ambrosia Chocolate Co. Division	105
American Breeders Service, Inc.	35
Blue River Feed Mills	30
Caribe Nitrogen Corporation	29
Carolina Nitrogen Corporation	34
Cornelius Wax Refining Corp.	46
Cryovac Division	41
Davison Chemical Division	53
Dawbarn	43
Dearborn Chemical Division	86
DeKalb Feed	29
Dewey and Almy Chemical Division	56
DuBois Chemicals Division	82
Ellay Rubber Division	45
Elm Coated Fabrics Division	45
Farr Better Feeds	29
Grace Fibers Canada Ltd.	43
Grace Line Inc.	111
Gulf & South American Steamship Co., Inc.	111
Hampshire Chemical Division	70
Hatco Group	45
Hooton Chocolate Company	105
Howards & Sons (Canada) Ltd.	46
Ideal Roller	66
Leaf Brands Division	105
Marco Chemical Division	46
Joshua Meier Division	46
Miller Brewing Company	110
Miller Products	31
Nalley's Fine Foods Division	109
Nuclear Fuel Services, Inc.	81
Ochoa Fertilizer Co., Inc.	29
Overseas Chemical Division	71
P-A-G	29
Research Division	3
Rudy-Patrick Seed	29
SeaPak Division	110
Southbridge Plastics Division	47
Southern Resin & Solvents Division	47
Southwest Fertilizer	31
Transparent Paper Products Limited	44
C. J. Van Houten & Zoon, Inc.	106

Page

The Veratex Corporation	89
Vestal Laboratories Division	88
Walnut Grove Products	30
Zonolite	68

OPERATING UNITS—Africa, Asia, Australia, Europe, New Zealand, United Kingdom

Josh Abrahams & Son Pty. Ltd.	71
Borg Service A B	73
Borg Holding A G	73
Borg Service G. m. b. H.	72
Borg Service Limited	73
Borg Service S. A.	72
Borg Service SAE	73
Borg Service S. p. A.	73
Boston S. p. A.	71
N. V. Cacaofabriek "De Zaan"	106
Compagnie des Restaurants Jacques Borel, S. A.	108
Cresco Fertilizers Ltd.	29
Detarex Limited	72
Fuji-Davison Chemical Ltd.	71
Grace A G	73
W. R. Grace A/S	72
W. R. Grace Africa (Proprietary) Ltd.	72
W. R. Grace Australia Pty. Ltd.	71
Grace DuBois Ltd.	72
Grace Española, S. A.	72
Grace G. m. b. H.	71
Grace Hellas E. P. E.	71
W. R. Grace (Hong Kong) Ltd.	73
Grace Italiana S. p. A.	71
W. R. Grace Kabushiki Kaisha	71
W. R. Grace Limited	72
Grace (Nederland) N. V.	73
W. R. Grace (N. Z.) Limited	71
W. R. Grace (Philippines) Inc.	72
Grace Petroleum Corporation	112
Grace Portuguesa (Produtos Quimicos y Plasticos) Limitada	73
Grace S. A. R. L.	71
Hellerup Fløde Is, A/S	108
Highley Plastics (N. Z.) Limited and Plastak Sales (N. Z.)	71

	Page
Highley Plastics Proprietary Ltd.	71
Highley Plastics Sales (Victoria) Pty. Ltd.	72
Hughes Brothers Limited	108
Kabaya Leaf, Inc.	105
Koninklijke Fabrieken C. J. Houten & Zoon N. V.	105
Leaf Belgium N. V.	105
Leaf Confections Limited	105
Leaf Limited	105
Liam Devlin & Sons Limited	105
Mantequeras Arias S. A.	108
Marela Limited	108
Nippon DuBois K. K.	71
Omicron Proprietary Limited	71
OY Borg Huolto-Service A B	72
Pillnay-Lacke Darex G. m. b. H. & Co.	71
Pilman S. A.	72
Rexolin Chemicals Aktiebolag	72
Servicised Limited	72
Sheng Huo Enterprise (Malaysia) Limited	105
Silica Gel Limited	72
Societe Atlantique d'Engrais Chimiques	29
Tanara S. p. A.	108
Teroson Española S. L.	72
Teroson et Protection Chimiques S. A.	71
Teroson-Werke G. m. b. H.	71
Urney Chocolates, Limited	105
Van Houten Limited	106
C. J. Van Houten & Zoon S. a. r. L.	105
Verstuivingsbedrijf "De Zaan Spray" N. V.	105

OPERATING UNITS — Latin America

Alimentos Kern de Guatemala S. A.	91
Alimentos y Conservas Ducal, S. A.	91
Avicaya Ltda.	90
Carboquímica, S. A.	90
Cartavio S. A.	91
Cia. "Arturo Field y La Estrella" Ltda.	91
Cia. Molinera Boliviana S. A.	90
Cia. Pesquera "La Gaviota" S. A.	91
Cias. Unidas Vitarte, Victoria Inca, S. A.	91

	Page
Colprotex S. A.	90
Comestibles La Rosa S. A.	90
Conservas California S. A.	90
Cueros Artificiales S. A. de C. V.	91
Darex S. A. I. y. C.	90
DuBois Mexicana, S. A. de C. V.	91
Empresa Pesquera Eperva S. A.	90
Envases Sanmarti S. A.	91
Eriez Produtos Magnéticos e Metalúrgicos Ltda.	90
Estalsa, S. A.	90
Fábrica de Pinturas Vencedor	91
Federation Chemicals Limited	29
Grace y Cia. (Bolivia) S. A.	91
Grace y Cia. (Chile) S. A.	91
Grace y Cia. (Ecuador) S. A.	92
Grace y Cia. (Peru) S. A.	92
Hucke Hermanos S. A. C.	90
Ico Pinturas, S. A.	90
Industria Cartonera Ecuatoriana S. A.	90
Industrias Coia S. A.	90
International Fishery & Fishmeal Ltd.	91
International Machinery Co. (Bolivia) S. A.	91
International Machinery Co. (Peru) S. A.	91
International Mining Co.	90
Interquímica S. A.	91
Minsur Partnership Limited	91
Pinturas Ecuatorianas S. A. (PINTEC)	91
Plastar S. A. (Comercio e Industria Materiaise e Produtos Plásticos)	90
Plásticos y Derivados C. A. (PLAYDECA)	91
Plastiflex C. A.	91
Pozuelo, S. A.	90
Productora de Papeles S. A. (PROPAL)	90
Productos Darex S. A.	92
Productos Darex, S. A. de C. V.	91
Produtos Químicos "Darex", Limitada	90
Química Proco S. A.	90
Sintéticos S. A.	90
Sociedad Boliviana de Cemento S. A.	90
Sociedad Paramonga Ltda.	91
Teroson Argentina S. R. L.	90
Teroson-Peru	91
Vulcan Material Plástico S. A.	90

How to Use the Product Guide

Products

Products are alphabetically indexed on pages 7 through 28. The Index refers the reader to the pages in the Operating Unit sections, where product descriptions will be found. Index terms within parentheses, i.e. Acrylic Copolymer Emulsions (DAREX Coating Emulsions), Acid Resisting Grouts (Floor Materials); are the specific headings under which product listings will be found within the Operating Unit sections.

Principal Trademarks and Trade Names

The principal trademarks and trade names of W. R. Grace & Co., its subsidiaries and its affiliated companies are listed alphabetically in the Index, together with their descriptive product names. Grace trademarks registered in the U.S. are indicated by the symbol ®; unregistered Grace trademarks are indicated by an asterisk (*). Trademarks and trade names listed in the Index appear throughout the book in capital letters. The Operating Unit sections provide general product information, but do not usually list the trade names.

Grace Operating Units

The Operating Units which manufacture or market products are indexed separately on pages 4 and 5.

Plants and Sales Offices

At the beginning of each Operating Unit section, Plant and Sales Office facilities are listed alphabetically and numbered. To determine which of these facilities handles a specific product, note the number references shown directly under the product description; then refer to the corresponding numbers in the list of Plants and Sales Offices at the beginning of that particular Operating Unit section.

Example: Retarding Additives

Organic formulations for controlling the initial set characteristics of portland and other hydraulic cements.

● 9 - 23 - 34 - 45
▲ 73 - 99 - 152

Where the number references to Plants and Sales Offices apply to several products listed consecutively, they appear at the end of that product group.

Legend:

● denotes number reference to Plant locations.
▲ denotes number reference to Sales locations.

For additional information and detailed technical data, contact the appropriate operating unit directly or write W. R. Grace & Co., 7 Hanover Square, New York, New York 10005.

INDEX

A

	PAGE
A-612* Aluminum Etchant	79, 84
Abrasive Coatings (Technical Coatings)	62, 75, 103
Absorbent Dental Rolls	89
Absorbents, Gas	65, 78, 99
Accelerating and Retarding Admixtures, Concrete	61, 74, 96
ACE GRAYTONE® Printing Rollers	67
Acetates	
Amyl Acetate	96
Butyl Acetate	96
Ethyl Acetate	96
Glyceryl Triacetate (Plasticizers, Specialty)	51
Polyvinyl Acetate Resin	66, 101
Acetic Acid	96
Acetone	47
Acid and Corrosion-Resistant Coatings (Floor Materials)	62, 74, 99
(Technical Coatings)	62, 75, 103
(Maintenance Coatings)	87
ACIDEX® Corrosion and Acid, Resistant Coating (Technical Coatings)	62, 75, 103
Acid, Gas Absorbent (Gas Absorbents)	65, 78, 99
Acids	
Acetic Acid	96
Fatty—see also Polymerized Fatty Acids Below	49
Fumaric	49
Hydrochloric	99
Hydrofluosilicic	38
Phosphoric, Wet Process	38
Polymerized Fatty Acids	52
Sebacic	52
Stearic	103
Sulfuric	40
Acid Resisting Grouts (Floor Materials)	62, 74
Acoustical Ceiling Tile Coatings (Paint Emulsions)	66, 101
(Rigid Vinyl Films)	52
(Vermiculite)	69
Acoustical Plaster	69
Acoustical Plastic Coating (Vermiculite)	69
Acrylic Copolymer Emulsions (DAREX Coating Emulsions)	66
ACTEX® Concrete Floor Cleaner	83

	PAGE
ACTIONATE® Concrete Set Accelerator (Specialty Products)	62, 74
ACTIVATE* Paint Stripping Accelerator (Paint Stripping)	79, 84
ACTUSOL® Industrial Cleaner	79, 84
Additive, Asphalt, Anti-Stripping (Specialty Products)	62, 74, 103
Additives and Pigments (SYLOID Micron-Sized Silicas)	55, 78
Additives for Portland Cement See Concrete and Cement Chemicals	
Adhesive Emulsions	65, 75, 96
Adhesive Paper Backings (Tape and Specialty Backings)	67, 80
Adhesives and Bonding Agents	
Adhesive Applicators	75
Automotive Adhesives	74
Building Maintenance Alphabetically Indexed	
Industrial Adhesives	75, 96, 100
Plastic Adhesives	75, 96
Printing Plate	67
Shoe Adhesives	75
Adipates (Plasticizers)	50, 66
Admixtures for Concrete and Mortar See Concrete and Cement Chemicals	
Adsorbents—See Desiccants	
ADVANCE® Machine Dishwashing Compound	79, 83
Advertising Balloons (Captive Balloons)	64, 80
A. E. DISPERSED BLACK® Colorant for Concrete and Mortar (Colorants)	61, 98
AERO-RAZE* Paint Stripping Compound	84
Aerosol Cup Products	
Compound Application	
Machinery	62, 75
Gasketing Compounds	63, 76
Aggregate, Lightweight for Plaster and Concrete	69
Agricultural Chemicals	
Ammonia and Ammonium Compounds Alphabetically Indexed	
Ammonium Nitrate Limestone (Calcium Ammonium Nitrate)	38
Animal Feeds, Feed Supplements and Premixes—Alphabetically Indexed	
Defoliants, Cotton	39
Diammonium Phosphate	39
Emulsifiers	92
Feeds—See Animal Feeds and Feed Supplements	
Fertilizers—Alphabetically Indexed	
Insecticide Base Oils	49
Magnesium Ammonium Phosphate (MAG AMP)	38

	PAGE
Agricultural Chemicals (cont'd)	
Magnesium Ammonium Potassium Phosphate (MAG AMP)	38
Metal Chelating Agents	70, 78
Nitrogen Solutions	39
Perlite Soil Conditioner and Seed Starter	68
Pesticides	39, 101
Phosphate Rock	39
Solvents	92
Sulfur	40
Superphosphate, Single	40
Superphosphate, Triple	40
Surfactant	37
Urea	40
Urea Solutions	40
Vermiculite Anti-Caking Agent, Chemical Carrier and Soil Conditioner	69
Agricultural Service Products	38
AHEAD* Defoamed Dishwashing Detergent	83
AIRALON® Air Entraining Cement Additive	62
Aircraft Cleaners	47, 79, 85, 87
Air Dryers	54
Air Entraining Additives, Cement	69, 74, 96
Air Entraining Admixtures, Concrete and Mortar	69, 74, 96
AIRMOLD* Products (Blow Molded Packaging)	42
Airplane Engine Lubricants (Jet Engine Lubricants)	49
ALBUM-UNLIMITED* Expandable Photo Album	50
Albums, Photographic	50
Alcohols	
Capryl	48
Cyclohexyl	48
Ethyl	48, 99
Isopropyl	49
Methyl	49
Methylcyclohexyl	49
Myristyl-cetyl	50
Alfalfa Seed	39
Algicides (Biocides)	79, 87
Aliphatic Esters (Esters, Aliphatic)	50
Aliphatic Solvents (Solvents)	52
Alkaline Powder Cleaner (Specialty Products)	62, 74, 103
ALKAMEEN® Return Line Corrosion Inhibitor	79, 87
ALKATROL® Return Line Corrosion Inhibitor	79, 87
ALKON® Electrolytic Cleaner	84
Alkylation Catalysts (Industrial Catalysts)	54, 78
All-Purpose Cleaners	83, 84, 85, 87, 88

*Trademark of W. R. Grace & Co.

®Registered U.S. Trademark of W. R. Grace & Co.

	PAGE
Alum (Aluminum Sulfate)	37
Alumina Catalysts (Petroleum Catalysts)	54
Aluminum Brighteners	79, 83
Aluminum Etchants	79, 83
Aluminum Sulfate	37
Amines for Water Return Line Treatments	79, 87
Amino Acid Chelates (Chelating Agents)	70, 78
Ammonia and Ammonium Compounds	
Ammonium Nitrate	37
Ammonium Nitrate Limestone	37
Ammonium Silicofluoride	40
Ammonium Sulfate	37
Anhydrous Ammonia	37
Aqua Ammonia	37
Diammonium Phosphate	38
Amyl Acetate	96
Anhydrides	
Maleic Anhydride	49
Phthalic Anhydride	50, 101
Anhydrous Ammonia	37
Animal Feed Blending and Bulking Agents	38
Animal Feed Nutrient Carrier (Verxite)	69
Animal Feeds and Supplements	
Beef	37
Dairy	37
Poultry	39
Sheep	39
Swine	40
Animal Insemination	
Dairy and Beef	39
Animal Insemination Equipment	38
Anti-Adhesive Agents (Rubber Processing)	79, 83
Anti-Blocking Agents (SYLOID Micron-Sized Silicas)	55, 78
Anti-Caking Agents (SYLOID Micron-Sized Silicas)	55, 78
Anti-Caking Fertilizer Conditioner (Vermiculite)	69
Anti-Foam Treatments, Water (Boiler Water Treatments)	79, 87
Anti-Foulant, Water (Cooling Water Treatments)	79, 87
Anti-Fouling Paints (Marine Paints)	100
Antiseptic Products	79, 83, 88
Antiseptic Soaps and Detergents	79, 83, 88
Anti-Smog Systems (Industrial Catalysts)	54
Anti-Static Agent, PVC-Impregnated Conveyor Belts	47
Anti-Stripping Additive, Asphalt (Specialty Products)	62, 74
Appliance Insulation	68, 69

	PAGE
Appliances, Electric	99
Aprons, Disposable Plastic	89
Aqua Ammonia	37
AQUAFLOC® Coagulant Aid	87
AQUA-SERV®, DEARBORN	87
Architectural Paints	97
ARMORCOAT® Battery Separators	61, 74, 97
ARMORIB® Battery Separators	61, 74, 97
Aromatic Solvents	52, 97
Asphalt Hardboard (Specialty Products)	62, 75
Asphalt Joint Filler, Premolded	62, 75
Asphalt Plank, Bridge Decking Underlay (Bridge Products)	62, 75
Asphalt Weathercoated Hardboard, Masonry Moisture Barrier (Specialty Products)	62, 75
Atomic Energy Industrial Products	81
See also Nuclear Fuel Materials	
ATTACHE-VUE® 35mm Viewer	50
Attic Insulation	46
AUTO-KLEEN® Automotive and Accessory Cleaner (Transportation)	79, 85
Aviation Products (Jet Engine Lubricants)	49
Automotive Products	
Adhesives	74, 96
Automobile Cleaners (Transportation)	79, 85, 87
Battery Dry Charge Processing Equipment	61, 97
Battery Separators, Resin Impregnated	61, 74, 97
Battery Separators, Rubber Plate	97
Exhaust Catalysts (Industrial Catalysts)	54
Lacquers	97, 100
Maintenance Products	74
Sealers and Sealants	74
Shims, Battery (Battery Separators)	61, 74
Sound Deadeners	74
Underbody Coatings	74, 104
B	
Baby Food	93
Backings, Carpet and Rug	
See Rug Backing Products	
Backings—Pressure Sensitive Tape, Labels	
See Tape and Specialty Backings	
Bags, Shrinking	42, 77, 103
Bakery Products—See Food Products and Beverages	
Baking Industry Cleaners and Maintenance Products (Food Manufacturing- Processing)	79, 83, 84

	PAGE
Balloons, Advertising	64, 80
Balloons, Meteorological	64, 65, 80, 97
Balloons, Scientific	64, 65, 80, 97
Banana Paste	92
BAR-B-SORB® Vermiculite Base for Charcoal Cooking	69
BAR-CHAIRS® Reinforcing Steel Supports (Specialty Products)	62, 74, 103
Barium Carbonate	47
Barium Hydroxide	47
Barrel Finishing Products (Metal Working)	79, 84
Barrier Coating (DARACAN Inner Barrier Systems) (DARAN Paper Coating Latices)	63 65
BASEAL® Vinyl Waterstops	62, 75
Base Stocks for Tape and Labels See Tape and Specialty Backings	
Battery Dry Charge Process Equipment	61, 97
Battery Separators	
Resin Impregnated	61, 74, 97
Rubber Plate	97
BAYLOR® Bromegrass Seed	39
BBP-Butyl Benzyl Phthalate (Plasticizers, Phthalates)	51
BCA-Dibutoxyethyl Adipate (Plasticizers, Adipates)	50
BCP-Dibutoxyethyl Phthalate (Plasticizers, Phthalates)	51
BDP-Butyl Decyl Phthalate (Plasticizers, Phthalates)	51, 101
Beef Feeds, Feed Supplements and Premixes	37
Beef Semen	39
Beer (Miller High Life)	110
Beer Stabilizer (STABIFIX)	55
Beeswax	48
Belts, Industrial	100
Benzyl Chloride	48
Beverage and Brewing Industry Cleaners (Food Manufacturing- Processing)	79, 83, 84
Beverages—See Food Products	
BIG BUSTER® Popcorn (Seeds)	39
Binder, Casein—See Textile Finishes and Chemicals	
Binder, Pigment	66
BINDER-UNLIMITED®	50
Binders	
Leather	50
Plastic	50
Vinyl	50
Biocides—Bactericides	79, 87
Biscuits	93

	PAGE
Bituminous Mastic and Semi-Mastic Compounds (Waterproofing and Roofing Materials)	62, 75, 104
BLACK MAGIC® Printing Rollers	66
BLAIR® Bromegrass Seed	39
Blanket Insulation (Glass Fiber Insulation)	68
Blankets, Printing—See Printing and Graphic Arts Products	
BLAST® Steam Cleaner (Transportation)	79, 85
Bleaching Agents	48
Bleaching Powder	97
Blending Agent for Animal Feeds	69
BLO-CRETE® Vermiculite Aggregate for Air-Placed Concrete	69
Blow Molded Packaging	42, 77, 102
BLUE DOT® Polishing Pads (Rare Earths)	54
Board, Paper	95
Body Powder (Packaging Desiccants)	54
Boiler Water Treatments	79, 87
BOL-BOY® Bowl Cleanser	79, 83
Bonding Agents	
Bonding Agents, Masonry and Concrete	61, 74, 96
Bonding Agent, Plaster and Stucco	61, 74, 96
Bonding and Patching Compound, Epoxy (Specialty Products)	62, 74, 103
Bond Paper	95
BONDITE® Bridge Joint Sealer	62, 75
Book Liners, Case and Signature (Coating Bases)	66
BOP-Butyl Octyl Phthalate (Plasticizers, Phthalates)	51, 101
Bottle Cap and Crown Sealing Compounds	63, 75, 98
Bottles, Polyethylene	97
Boxes and Cartons	
Boxes, Folding	95
Boxes, Plastic, Blow Molded (Blow Molded Packaging)	42, 77, 102
Corrugated Cartons	95
BR-5512® Alkaline Cleaner	83
BRIEF/HOLDERS® Portfolios	50
Bridge Products	
Maintenance Coatings	79, 87
Neoprene Pads and Asphalt Plank	62, 75
Brighteners	
Barrel Finishing	79, 84
Etchants for Aluminum	79, 84
Bristol Board	95
BRITEN ALL® All-Purpose Detergent	87

	PAGE
BUDG-ETTE® Examination Table Paper Rolls	89
Building Maintenance Products	
Adhesives, Building Maintenance	61, 62, 74, 75, 96
Bonding Agents—Alphabetically Indexed	
Caulks and Sealants Alphabetically Indexed	
Cleaners—Alphabetically Indexed	
Coatings—Alphabetically Indexed	
Curing Compounds, Concrete—Alphabetically Indexed	
Enamel, Concrete Floor (Floor Materials)	62, 74
Finish, Concrete Block (Technical Coatings)	62, 75, 104
Floor Materials—Alphabetically Indexed	
Germicidal Detergents	79, 83, 88
Hardeners for Masonry Floors (Floor Materials)	62, 74, 99
(Specialty Products)	62, 74, 103
Insulation, Loose Fill, Blanket and Molded Foam Board Types	68, 69
Laminates	68, 100
Membrane Fabrics (Waterproofing and Roofing Materials)	62, 75, 104
Paints—Alphabetically Indexed	
Patch, Floor (Floor Materials)	62, 74, 99
Primers—Alphabetically Indexed	
Roof Coatings, Asphalt (Waterproofing and Roofing Materials)	62, 75, 104
Sealers, Floor (Floor Materials)	62, 74, 99
Sealers, Wall (Specialty Products)	62, 74, 103
Sealing Strips (Joint Sealing Compounds)	62, 75
Thinner, Paint (Solvents)	52, 97, 104
Topping, Floor (Floor Materials)	62, 74, 99
Bulking Agents for Animal and Poultry Feeds (Verxite)	69
Butadiene-Styrene Copolymer Emulsions (DAREX Coating Emulsions)	66
Butadiene-Styrene Latex (DAREX Carpet and Textile Latices)	66
Butadiene-Styrene Rubber Reinforcing Resin (DAREX Copolymer Resins)	66, 78
Butter, Dairy	109
Butyl Acetate	96
Butyl Benzyl Phthalate (Plasticizers, Phthalates)	51
Butyl Decyl Phthalate (Plasticizers, Phthalates)	51
Butyl Elastomer Caulking and Sealing Compound (Joint Sealing Compound)	62, 75
Butyl Octyl Phthalate (Plasticizers, Phthalates)	51, 101

C

	PAGE
C-1102® Aircraft Exterior Cleaner	84
Calcium Ammonium Nitrate (Ammonium Nitrate Limestone)	37
Calcium Chloride	97
Candelilla Wax	48
Candies	93, 107
Cane Fiber Joint Filler, Premolded	62, 75
CAN KLOR® Dairy Can Cleaner	79, 84
Canned Foods	93, 109
Canning Industry Cleaners (Food Manufacturing)	79, 83, 84
Can Sealing Compounds	62, 75, 97
CANSURFASS® Wetting Agents	61, 104
CANT STRIP® Premolded Joint Filler	62, 75
Canvas, Waterproof	104
Cap and Lid Gasketing Compounds	64, 76, 97
Capryl Alcohol	48
Captive Balloons	64, 80
CARBOCERA Wax®	52
Carbon Dioxide Absorbent (Gas Absorbents)	65, 78, 99
Carboxylated Butadiene-Styrene Latices (DAREX Carpet and Textile Latices)	66
CARBUREX® Carburetor Cleaner	79, 85
Carnauba Wax	48
Carpet Backings—See Rug Backing Products	
Carriers, Agricultural Chemical	69
Carriers, Animal Feed Supplement (Verxite)	69
Carriers, Catalyst (Petroleum Catalysts)	54
Carriers, Plant Nutrient	69
Cartons, Corrugated	95
Casings, Food Products	42, 77, 97
Catalysts, Industrial	
Alkylation	54, 78
Automotive Exhaust Custom	54, 78
Dehydration	54, 78
Dehydrogenation	54, 78
Diesel Exhaust	54
Filter Systems (Gas Absorbents)	65, 78, 99
Gas Scrubbing (Gas Absorbents)	65, 78, 99
Hydrocarbon, Combustion	54
Hydrogenation	54, 78
Organic Synthesis	54
Oxidation	54, 78
Polymerization	54, 78
RANEY Nickel	54, 78

	PAGE
Catalysts, Petroleum Cracking	34, 78, 98
Combustion Catalysts and Fuel Oil Additives	
(Miscellaneous Products)	79, 87
High Alumina	54
Low Alumina	54
Semi-Synthetic	54
Zeolite-type	54
Catalysts, Specialty	
(Gas Absorbents)	65, 78, 99
Catalyst Supports	
Alumina	54
Mullite Pellets	54, 78
Silica Gel	54, 78
Cattle Feeds	37, 92
Caulks and Sealants	
Glazing Compound	62
Joint Sealing Compounds	62, 75, 98
Polysulfide Sealants	62, 75, 98
Primers—Alphabetically Indexed	
Rubber-Base Sealants	62, 75, 98
Caustic Soda	98
Ceiling Balloons	64, 80
Ceiling Tile Coatings	
(Paint Emulsions)	66, 101
Cellophane	44, 77
Cellophane Plasticizers (Phthalates)	51, 101
Cello Wax Laminates	44
CELL-U-CLOTH® Disposable Examination Gowns	89
CEMENTONE® Sponge Rubber Premolded Joint Filler	62, 75
Cement, Portland	102
Cement Products—See Concrete and Cement Chemicals	
Cements	
Can Side Seam Cements	64, 103
Composite Can Cements—Water Base and Hot Melt	63
Dopes, Metal Seam Container	64, 103
Organic Solders	64
CERAX® Wax	52
Cereals	93
Ceresine Wax	48
Cerium Compounds—Hydrate, Oxide, Sulfate (Rare Earths)	54
CEROFLEX® Wax	52
Charcoal, Activated—See Desiccants and Adsorbents	
Cheese (Dairy Products)	109
Chelating Agents	70, 78
Chemical Carriers (Vermiculite)	69
Chemical Specialty Products	
See Specific Product Listings (e.g.—Battery Separators, Bonding Agents, Water Treatments, etc.)	

	PAGE
Chewing Gum	107
Chip Dips	109
Chips	110
Chlor-Alkali Products	
Bleaching Powder	97
Calcium Chloride	97
Caustic Soda	98
Chlorine	98
Industrial Salt	100
Chlorinated Solvents (Solvents)	52
Chlorine	98
Chocolate Confectionery Products	93, 107
Chocolate Liquor	107
CHROMETS® Corrosion Inhibitor (Cooling Water Treatments)	79, 87
Clay Desiccants—See Desiccants and Adsorbents	
Cleaners and Disinfectants	
Aircraft Cleaners	47
(Transportation)	79, 85, 87
Alkaline Powder Cleaner	62, 74
(Specialty Products)	88
All-Purpose Cleaner	88
Aluminum Brightener	
(Etchants for Aluminum)	79, 84
Animal Quarters and Zoos	88
Automotive Cleaners	
(Transportation)	79, 85, 87
Baking Industry Cleaners	79, 83
Beverage and Brewing Industry Cleaners	79, 83
Canning Industry Cleaners	79, 84
Dairy Cleaners	79, 84
Detergents, Dishwashing	79, 84
Detergents, Germicidal	79, 83, 88
Diesel Engine Sludge Remover	
(Cleaning)	79, 85, 87
Dishwashing and Kitchen Sanitation Products	79, 83
Disinfectants	79, 83, 88
Electrical Parts Cleaners	
(Metal-Working)	79, 84
Electrolytic Cleaners (Cleaning Prior to Electroplating)	79, 84
Floor Cleaners	62, 79, 83
	84, 85, 87, 88
Food Manufacturing-Processing Cleaners	79, 83, 84
High Alkaline Cleaner	
(Paper Mill Products)	79, 84
Immersion Tank Cleaner	79, 84
Industrial Cleaners	
(Metal-Working)	79, 84
Institutional Cleaners	79, 83, 88
Kitchen Housekeeping Products	79, 83
Machine Cleaning Agents	79, 83, 84
Meat Processing Industry Cleaners	79, 84
Metal Cleaners	79, 84
Paint Spray Booth Maintenance Products	79, 84
Paint Stripping Compounds	79, 84
Paper Mill Felt Cleaner	79, 84

	PAGE
Cleaners and Disinfectants (cont'd)	
Petroleum Refinery Cleaners	79, 84
Plastic-China Cleaner	
(Pre-Soaking)	79, 83
Pot and Pan Cleaner	79, 83
Potato Chip Industry Cleaners	79, 84
Poultry House and Processing Plants	79, 84, 88
Radiator Cleaner	
(Transportation)	79, 85, 87
Railroad Cleaners	
(Transportation)	79, 85, 87
Rinse Additives (Dishwashing and Kitchen Sanitation)	79, 83
Rug Cleaner	88
Sanitizer, Glass Washing	
(Dishwashing and Kitchen Sanitation)	79, 83
Sanitizers, Hospital and Restaurant (Dishwashing and Kitchen Sanitation)	79, 83, 88
Soaps	79, 83, 88
Solvent Cleaners	79, 83, 87
Steam Cleaners	79, 87
Surgical Soaps, Detergents	79, 83, 88
Transportation Cleaners	79, 85, 87
Cleaning Equipment—See Equipment	
CLEAR FILMITE® Spray Booth Compound	79, 85
Clip Appliers (Flexible Packaging Equipment)	42, 73, 99
Clover Seed	39
"Clupak" Extensible Paper (Kraft Paper)	96
Coal Tar Products	
Creosotes	98
Enamel	98
Pitch	101
Coated Papers	
(Tape and Specialty Backings)	67, 80
Coating Bases, Artificial Leather	66
Coating Machinery, Composite Can Flange	63
Coatings, Chemical	
Abrasive Coatings	
(Technical Coatings)	62, 75, 103
Automobile Underbody Coatings	74, 104
Ceiling Tile Coatings	
(Paint Emulsions)	66, 101
Collapsible Tube Coatings	
(Thermoplastic Coatings)	64, 76, 104
Composite Can Label Coatings	63
Conversion Coatings	
(Production Coatings)	87
Corrosion and Acid Resistant Coatings	
(Floor Materials)	62, 74
(Technical Coatings)	62, 75, 103
(Maintenance Coatings)	87
DEARBORN Protective Coatings	87
Emulsions—See Paint Chemicals	
Epoxy Coatings	
(Technical Coatings)	62, 74, 103
(Pipeline Coatings)	87
Extrusion Coatings	44

	PAGE
Coatings, Chemical (cont'd)	
Film Coatings (DARAN Paper Coating Latices)	65
Flange Coatings	63
Floor Coatings, Polyurethane (Floor Materials)	62, 74
Heat Resistant Coatings	87
Heavy Duty Coatings (Technical Coatings)	62, 75, 103
Maintenance Coatings	87
Paints—Alphabetically Indexed	
Paint Spray Booth Coatings	79, 84
Paper Coatings See Paper and Paper Products	
Pipeline Coatings— Alphabetically Indexed	
Railroad Bridge Coatings (Maintenance Coatings)	87
Roof Coatings (Waterproofing and Roofing Materials)	62, 75, 104
Thermoplastic Coatings	64, 76, 104
Coatings, Food	
Chocolate Coatings	107
Confectioner's Coatings	107
Ice Cream Coatings	107
Cocoa Butter	107
Cocoa Powder	93, 107
Cocoyl Sarcosine Acid (Surfactants)	70
Coffee	107
Cold Storage Insulation	68, 69
Collapsible Tube Coatings (Thermoplastic Coatings)	64, 76, 104
Colorants	61, 74, 98
COLORUNDUM® Colorant, Concrete	61, 74
COMBAT® Heavy Duty Dishmachine Compound	83
Combustion Catalysts and Fuel Oil Additives (Miscellaneous Products)	87
Composite Can Products	
Barrier Coatings	63
Cements, Composite Can	63
DARACAN Inner Barrier System	63
Flange Coatings and Coating Machinery	63
Label Coatings, Composite Can	63
Sealing Compounds, Composite Can	63
Compound Application and Drying Equipment	63, 75, 98
Compound, Flexible Printing Plate	67
Compounds, Container Sealing	63, 75
Concentrated COLORGLAZE® Wax— Tinted Masonry Wax	62, 74, 99
Concrete Aggregate (Perlite)	68
(Vermiculite)	69
Concrete and Cement Chemicals	
Additives, Cement, Air Entraining	62, 75
Additives, Cement, Retarder	62, 75

	PAGE
Concrete and Cement Chemicals (cont'd)	
Admixtures, Accelerating and Retarding, Concrete	61, 74, 96
Admixtures, Air Entraining, Concrete and Mortar	61, 74
Admixtures, Water Reducing, Concrete	61, 74, 96
Admixture, Water Repellent	61, 74
Colorants	61, 74
Curing Compound, Concrete (Specialty Products)	62, 74
Curing Compound, Hardener and Sealer, Concrete (Specialty Products)	62, 74
Densifiers and Water Repellents	61, 74
Floor Cleaners	62, 79, 83 84, 85, 87, 88
Grinding Aid and Pack Set Inhibitor, Cement	62, 74, 94
Grinding Aid, Raw Materials	62, 74
Hardener, Concrete Floor (Silicofluorides)	40
HORNSTONE Materials (Floor Materials)	62, 74, 99
(Specialty Products)	62, 74
Plasticizer, Concrete	62, 74, 96
Retarder, Cement Set	62, 74, 96
Retarder, Concrete Surface (Specialty Products)	62, 74
Confectioner's Coating	107
Confectionery Products, Chocolate and Non-Chocolate	107
Construction Materials	
Compound, Bituminous Mastic and Semi-Mastic (Waterproofing and Roofing Materials)	62, 75, 104
Curing Compounds, Base	62, 74, 96
Dampproofing (Waterproofing and Roofing Materials)	62, 75, 104
Glazing Compounds (Caulks and Sealants)	62, 74, 98
Grouting Materials (Floor Materials)	62, 74, 99
Insulation, Loose-Fill	69
Joint Fillers, Premolded	62, 75
Masonry Products (Specialty Products)	62, 74, 103
Patching Compounds (Floor Materials)	62, 74, 99
Plastic Supports, Concrete, Reinforcement, Steel (Specialty Products)	62, 74, 103
Plywood Form Coating (Specialty Products)	62, 74, 103
Portland Cement	102
Sealants—See Caulks and Sealants	
Surfacing Material, Bridge and Deck (Bridge Products)	62, 75
Topping Compounds, Floor (Floor Materials)	62, 74, 99
Waterproofing and Roofing Materials	62, 75, 104
Vinyl Film and Sheeting, Rigid	52, 102

	PAGE
Container Products	
Aerosol Valve Cup Gasketing Compounds	62, 75
Can Sealing Compounds	62, 75
Cap and Lid Gasketing Compounds	64, 76, 97
Composite Can Cements	63
Composite Can Label Coatings	63
Composite Can Sealing Compounds	63
Compound Application and Drying Equipment	63, 75, 98
Crown Sealing Compounds	63, 75, 98
DARACAN Inner Barrier System	63
Dispersing Solvents	63
Drawing Emulsions and Drawing Lubricants	63, 99
Flange Coating Machinery	63
Flange Coatings	63
Galvanizing Blanket Crystals	63
Industrial Gasketing Compounds	63, 76
Jar Cap and Lid Gasketing Compounds	64, 76, 97
Lacquers	76
Liquid Fluxes	64
Non-Web Compounds	64
Organic Solders	64, 76
Pail and Drum Sealing Compounds	64, 76
Seam Dopes	64, 103
Side Seam Cements	64, 103
Soldering Crystals	64, 76, 103
Thermoplastic Coatings	64, 76, 104
Wetting Agents	64, 104
CONTROL® Sanitizer, Hospitals and Restaurants	83
Convenience Foods	109
Conversion Coatings (Production Coatings)	87
Conveyor Lubricants, Chain (Beverage and Brewing Industries)	79, 83
Cookie Drops	107
Cookies	93
Cooling Water Treatments	79, 87
Copolymer Resins	66, 78, 98
Copper	94
CORDURO® Rib Coated Vinyl Binders	50
CORNELOWAX® Wax	52
CORNOX® Wax—For Polish Industry	52
CORNOX® Insecticides, Fungicides, Herbicides (Pesticides)	39
Corrosion and Acid Resistant Coatings	
(Floor Materials)	62, 74
(Maintenance Coatings)	79, 87
(Technical Coatings)	62, 75, 103
Corrosion Inhibitors	
(Boiler Water Treatments)	79, 87
(Chelating Agents)	70, 78

	PAGE
Corrosion Inhibitors (cont'd)	
(Cooling Water Treatments)	79, 87
(Return Line Treatments)	79, 87
Corrugated Cartons	95
Corrugated Rigid Vinyl Sheet	76
Cotton Defoliants	38
Cotton Seed (Seeds)	39
Coumarone—Indene Resins	98
Couverture, Chocolate Coating	107
Cover Compounds, Drum and Pail	64, 76, 101
CP—Dicyclohexyl Phthalate (Plasticizers, Phthalates)	51, 101
Cracking Catalysts See Catalysts, Petroleum	
Cream, Dairy	109
Creosotes	98
CRETE-FIX® Floor Patching and Resurfacing Material	62, 74
Crossbottom Bags	95
Crown Sealing Compounds	63, 75, 98
Crude Oil	112
Cryogenic Insulation	68, 69
CRYOVAC® Flexible Packaging	
Polyvinyl Chloride V and VPM Films	77
Shrinking L Bags	42, 77, 103
Shrinking S Bags	42, 77, 103
Shrinking Polyethylene D Film	42
Shrinking Polyethylene L Film	42, 77
Shrinking Polyethylene XL Film	77
Shrinking Polypropylene J Film	42
Shrinking Polypropylene Y Film	42, 77
Shrinking Polypropylene YH Film	42
Shrinking Polyvinylidene Chloride S Film	42, 77
CRYSTAL BASE® Hand Soap	84
Crystals	
Galvanizing Blanket	63
Roll Salts, Can Soldering (Soldering Crystals)	64, 76, 103
Cups, Drinking, Disposable	89
Curing Compounds	
Concrete Curing Compounds (Specialty Products)	62, 74, 103
Concrete Hardener and Sealer (Floor Materials)	62, 74, 99
Curing Agents—Polyester Resin	48
Custom Catalysts (Industrial Catalysts)	54, 78
Custom Flexible Packaging Lines (Equipment)	42, 77, 99
Cutting Bits	94
Cutting Fluids	79, 84
CYCLE® Tumbling Compound	83
Cyclic Ketone Resins	48
Cyclohexane	48
Cyclohexyl Alcohol	48

D

	PAGE
DAIR® Dairy Cleaner	79, 63
Dairy Cattle Feeds	37, 92
Dairy Cleaners	79, 63
Dairy Products	109
Dairy Semen	39
Dampproofing Materials (Waterproofing and Roofing Materials)	62, 75, 104
DARACAN®	
High Barrier Label Stock (Composite Can Label Coating)	63
Inner Barrier System	63
DARACEL® Rubber Plate Battery Separators	97
DARACONE® Silicone Dampproofing Compound (Waterproofing and Roofing Materials)	62, 75, 104
DARAFLOW® Industrial Gasketing Compound for Automobile and Industrial Parts	63, 76
DARAK® Battery Separators	61, 74, 97
DARAK® HURRICANE Battery Dry Charge Process Equipment	61, 74, 97
DARAKOTE® Asphalt Antistripping Additive (Specialty Products)	62, 74
DARALITE® Air Entraining Additive for Lightweight Concrete	62
DARAMID® Polyamide Resin	102
DARAN® Paper Coating Latexes	65
DARASEAL® Cap and Crown Sealing Compounds	63, 75, 98
DARATAK® Adhesive Emulsions	65, 96
DARATARD® Admixture, Concrete Set Retarder	61, 74
DARAVAIR® Air Entraining Admixture for Mass Concrete	61, 74
DARAWELD-C® Masonry Bonding Agent	61, 74, 96
DARAWELD®-PBA Plaster Bonding Agent	61, 74, 96
DAREX AEA® Air Entraining Admixture for Concrete	61, 74, 96
DAREX CM® Air Entraining Cement Mill Additive	61, 74, 96
DAREX®	
Can Sealing Compounds	62, 75, 97
Cap Gasketing Compounds	63, 76, 97
Carpet and Textile Latexes	66
Coating Bases	65
Coating Emulsions	66
Composite Can Cements	63
Compound Application Machines	63, 75, 98
Copolymer Resins	66, 78, 98
Crown Gasketing Compounds	63, 75

	PAGE
DAREX® (cont'd)	
Dibutyl Fumarate (Plasticizers)	66
Dispersing Solvents	63
Drawing Emulsions	63, 99
Drum Gasketing Compounds	63, 76, 101
Flange Coatings	63
Galvanizing Blanket Crystals	63
Home Canning Lid Gasketing Compound	63, 76, 97
Industrial Gasketing Compounds	63, 76
Liquid Flux	64
Meteorological Balloons	64, 80, 97
ORBITAL FIBERFLEXOR (Textile Finishing Equipment)	67, 79, 103
Pail Gasketing Compound	63, 76, 101
Paint Emulsions	66, 101
Pigment Binder	66
Plasticizers	66
Seam Dopes	64, 103
Side Seam Cements	64, 103
Soldering Crystals	64, 103
Textile Printing Blankets	67, 79, 103
Textile Washers (Textile Finishing Equipment)	67, 79, 103
Thermoplastic Coatings	64, 76, 104
DAVCO® Granulated Fertilizers (Mixed Fertilizers)	38
DAV-GRO® Water Soluble Fertilizer	37
DAWBAC® Polypropylene Fabric Rug Backing	43
DAXAD® Dispersing Agents	66, 78
DAXENE® Industrial Gasketing Compound	63, 76
Printing Plate Compound	67
DAYTON® Orchard Grass Seed	39
DBF® Dibutyl Fumarate	66
DBM® Dibutyl Maleate	66
DBP Dibutyl Phthalate (Plasticizers, Phthalates)	51, 101
DBS Dibutyl Sebacate (Plasticizers, Sebacates)	51
D-CARB® Carbon Remover	79, 84
DCHP Dicyclohexyl Phthalate (Plasticizers, Phthalates)	51, 101
DCP Dicapryl Phthalate (Plasticizers, Phthalates)	51, 101
Deadeners, Sound	74
DEARBOLINE® Cleaning Fluid	87
DEARBORN® Boiler Water and Cooling Water Treatments	87
DEARCIDE® Algicides (Biocides)	87
DEARCLAD® Polymerized Protective Coating (Pipeline Coatings)	87
DEARSOL® Industrial Cleaners (Miscellaneous Products)	87
Decyl Tridecyl Phthalates (Plasticizers, Phthalates)	51, 101
Defoliants, Cotton	38

	PAGE		PAGE		PAGE
Degassing Agents (SYLOID Micron-Sized Silicas)	55, 78	Diammonium Phosphate	38	Di-methoxyethyl Phthalate (Plasticizers, Phthalates)	51, 101
DEHYDRATINE® Dampproofing Compound	62, 74	DIBA Di-isobutyl Adipate (Plasticizers, Adipates)	50	Dimethyl Adipate (Plasticizers, Adipates)	50
DEHYDRATINE® 80 Concrete and Mortar Accelerating Admixture	61, 74, 104	DIBP Di-isobutyl Phthalate (Plasticizers, Phthalates)	51, 101	Dimethyl Phthalate (Plasticizers, Phthalates)	51, 101
Dehydrating Agents—See Desiccants		Dibutoxyethyl Adipate (Plasticizers, Adipates)	50	Di-methylcyclohexyl Phthalate (Plasticizers, Phthalates)	51, 101
Dehydration Catalysts (Industrial Catalysts)	54, 78	Dibutoxyethyl Phthalate (Plasticizers, Phthalates)	51, 101	Dimethyl Sebacate (Plasticizers, Sebacates)	51
Dehydrogenation Catalysts (Industrial Catalysts)	54, 78	Dibutyl Fumarate (Plasticizers, Fumarates) (DAREX Plasticizers)	50, 66	Dinonyl Adipate (Plasticizers, Adipates)	50
DEKOTE® Masonry Floor Curing Agent (Specialty Products)	62, 74, 103	Dibutyl Maleate (Plasticizers, Maleates) (DAREX Plasticizers)	50, 66	DIOA Di-isooctyl Adipate (Plasticizers, Adipates)	50
DEM Diethyl Maleate (Plasticizers, Maleates)	50	Dibutyl Phthalate (Plasticizers, Phthalates)	51, 101	Di-n-octyl-n-decyl Adipate (Plasticizers, Adipates)	50
Densifiers and Water Repellents, Concrete	61, 74, 98	Dibutyl Sebacate (Plasticizers, Sebacates)	50	Di-n-octyl-n-decyl Phthalate (Plasticizers, Phthalates)	51, 101
Dental Alloys	94	DICA® Acid Cleaning Compound	79, 84	Di-octyl Adipate (Plasticizers, Adipates)	50
Dental Supplies	89	Dicapryl Phthalate (Plasticizers, Phthalates)	51, 101	Di-octyl Fumarate (Plasticizers, Fumarates)	50
DEP Diethyl Phthalate (Plasticizers, Phthalates)	51, 101	Dicyclohexyl Phthalate (Plasticizers, Phthalates)	51, 101	Di-octyl Iso-Phthalate (Plasticizers, Iso-Phthalates)	50
Deposit Inhibitors (Water Treatments)	79, 87	Diesel Engine Sludge Remover (Cleaners)	79, 85, 87	Di-octyl Maleate (Plasticizers, Maleates)	50
Desiccants and Adsorbents		Diesel Exhaust Catalysts (Industrial Catalysts)	54, 78	Di-octyl Phthalate (Plasticizers, Phthalates)	51, 101
Body Powder	54	Diethanolglycine Sodium Salt (Chelating Agents)	70, 78	Di-octyl Sebacate (Plasticizers, Sebacates)	51
Molecular Sieve Desiccants	54, 78	Diethylenetriaminepentaacetic Acid, Pentasodium Salt (Chelating Agents)	70, 78	DIOF Di-isooctyl Fumarate (Plasticizers, Fumarates)	50
Packaging Desiccants	54, 78	Diethyl Maleate (Plasticizers, Maleates)	50	DIOIP Di-isooctyl Iso-Phthalate (Plasticizers, Iso-Phthalates)	50
Silica Gel	54, 78	Diethyl Phthalate (Plasticizers, Phthalates)	51, 101	DIOM Di-isooctyl Maleate (Plasticizers, Maleates)	50
STABIFIX Beer Stabilizer	55	Di-isobutyl Adipate (Plasticizers, Adipates)	50	DIOP Di-isooctyl Phthalate (Plasticizers, Phthalates)	51, 101
SYLOID Micron-Sized Silicas	55, 78	Di-isobutyl Phthalate (Plasticizers, Phthalates)	51, 101	DIOS Di-isooctyl Sebacate (Plasticizers, Sebacates)	51
TEL-TALE Indicating Desiccants (Packaging Desiccants)	54, 78	Di-isodecyl Adipate (Plasticizers, Adipates)	50	Dips, Chip	109
Desserts—See Food Products and Beverages		Di-isodecyl Phthalate (Plasticizers, Phthalates)	51, 101	Dips, Slab and Sheet (Rubber Processing)	79, 84
Detergent Manufacturing		Di-isohexyl Phthalate (Plasticizers, Phthalates)	51, 101	Dishwashing and Kitchen Sanitation Products	79, 83, 98
Water Softening Agents (Chelating Agents)	70, 78	Di-isooctyl Adipate (Plasticizers, Adipates)	50	Disinfectants	
Detergents (Food Manufacturing—Processing) (Dishwashing and Kitchen Sanitation)	79, 83, 98	Di-isooctyl Fumarate (Plasticizers, Fumarates)	50	Biocides	79, 87
DEWAXER® Floor Wax and Finish Stripper	88	Di-isooctyl Maleate (Plasticizers, Maleates)	50	Germicides	79, 83, 88
DHP Di-isohexyl Phthalate (Plasticizers, Phthalates)	51, 101	Di-isooctyl Phthalate (Plasticizers, Phthalates)	51, 101	Hydrofluosilicic Acid	38
Di-2-ethylhexyl Adipate (Plasticizers, Adipates)	50	Di-isooctyl Sebacate (Plasticizers, Sebacates)	51	Soaps, Surgical	79, 88
Di-2-ethylhexyl Fumarate (Plasticizers, Fumarates)	50			Dispensing Equipment for Soaps, Cleaners and Maintenance Products	79, 83, 88
Di-2-ethylhexyl Iso-Phthalate (Plasticizers, Iso-Phthalates)	50			Dispersants (Water Treatments)	79, 87
Di-2-ethylhexyl Maleate (Plasticizers, Maleates)	50			Dispersing Agents	66, 78, 98
Di-2-ethylhexyl Phthalate (Plasticizers, Phthalates)	51, 101			Dispersing Solvents, Sealing Compound	63
Di-2-ethylhexyl Sebacate (Plasticizers, Sebacates)	51			Disposable Professional Products	89
DI 610® Phthalate (Plasticizers, Phthalates)	51, 101			Di-tridecyl Maleate (Plasticizers, Maleates)	50
DI 810® Phthalate (Plasticizers, Phthalates)	51, 101				

	PAGE
Di-tridecyl Phthalate (Plasticizers, Phthalates)	51, 101
D-LITE® Hand Dishwashing Compound	79, 83
DLP® Ribbon Monofilaments and Multifilaments	43
DMA Dimethyl Adipate (Plasticizers, Adipates)	50
DMCHP Di-methylcyclohexyl Phthalate (Plasticizers, Phthalates)	51, 101
DMP Dimethyl Phthalate (Plasticizers, Phthalates)	51, 101
DMS Dimethyl Sebacate (Plasticizers, Sebacates)	51
DNA Dinonyl Adipate (Plasticizers, Adipates)	50
DNODA Di-n-octyl n-decyl Adipate (Plasticizers, Adipates)	50
DNODP Di-n-octyl n-decyl Phthalate (Plasticizers, Phthalates)	51, 101
DOA Di-2-ethylhexyl Adipate (Plasticizers, Adipates)	50
DOA Di-octyl Adipate (Plasticizers, Adipates)	50
DOF Di-2-ethylhexyl Fumarate (Plasticizers, Fumarates)	50
DOF Di-octyl Fumarate (Plasticizers, Fumarates)	50
DOM Di-2-ethylhexyl Maleate (Plasticizers, Maleates)	50
DOM Di-octyl Maleate (Plasticizers, Maleates)	50
DONUTS® Reinforcing Bar Spacers (Specialty Products)	62, 74, 103
DOP Di-2-ethylhexyl Phthalate (Plasticizers, Phthalates)	51, 101
DOP Di-octyl Phthalate (Plasticizers, Phthalates)	51, 101
Dopes, Seam, Metal Container	64, 103
DOS Di-2-ethylhexyl Sebacate (Plasticizers, Sebacates)	51
DOS Di-octyl Sebacate (Plasticizers, Sebacates)	51
Drain Cleaner—See Cleaners	
Drawing Emulsions and Drawing Lubricants	63, 99
Dressings and Sauces	94, 110
DRI-DIE® Insecticides (Pesticides)	39
DRI-IT® Rinse Additive	79, 83
Drinking Cups, Disposable	89
DRI-N-TITE® Roof Coatings (Waterproof- ing and Roofing Materials)	62, 75, 104
DRI-PAX® Packaging Desiccants	54, 78
Drum Cover Gasketing Compounds	64, 76, 101
Drum Sealing Compounds	64, 76, 101

	PAGE
Dry Charge Equipment, Battery Process	61, 74, 97
Dryers, Sealing Compound (Compound Application and Drying Equipment)	63, 75, 98
Dryers, Textile Print Blanket (Textile Finishing Equipment)	67, 79, 103
Drying and Dehydrating Agents — See Desiccants and Adsorbents	
D-SMUT® Acid Aluminum Brightener	79, 84
DTDM Di-tridecyl Maleate (Plasticizers, Maleates)	50
DTDP Di-tridecyl Phthalate (Plasticizers, Phthalates)	51, 101
DTP Decyl Tridecyl Phthalate (Plasticizers, Phthalates)	51, 101
DuBOISE Carpet Shampoo®	83
DuBOISE Grease & Oils	85
DuBOISE 666® Liquid Boiler Water Treatment	85
DuBRITE® Aluminum Brightener	79, 84
DuDRI® Rinse Additive	79, 83
DuFOME® Dishwasher, Hand, Liquid	79, 83
DuKLOR® Food Plant Bactericide	79, 83
DUOCREX® Wood and Concrete Sealer (Floor Materials)	62, 74, 99
DURAFAX® Concrete Floor Hardener (Floor Materials)	62, 74, 99
DURAFLO® Epoxy Floor Coatings (Floor Materials)	62, 74, 99
DURA-GUARD® Metal Cleaner and Phosphatizer	79, 84
DURA-LOOB® Conveyor Lubricant	79, 84
DURA-TECH® Polystyrene Molded Foam Board and Manufacturing Equipment	68
DURATOP® Concrete Floor Hardener (Floor Materials)	62, 74, 99
DURAWAX® Synthetic Wax	52
DUROC® Printing Rollers	66
DUROC® Terrazzo Seal	87
DUROGRAVURE® Printing Rollers	66
DX® Printing Rollers	66
DYFOAM® Polystyrene Molded Foam Board	68
Cold Storage Insulation	68
Farm Building Insulation	68
Flotation Billets	68
MBI®—Metal Building Insulation	68
NOISE GUARD® Sound Conditioning for Walls, Floors and Ceilings	68
Perimeter Insulation	68
Polystyrene Molded Foam Board	68
SUPER-BOARD® Polystyrene Molded Foam Board	68
DYNACREX® Polyurethane Floor Coatings (Floor Materials)	62, 74, 99
DYNA-SPREX® Immersion Tank Cleaner (Steam Cleaner)	79, 85
Dysprosium Oxide (Rare Earths)	54

E

	PAGE
ECONO-BASE® Conveyor Lubricant	79, 84
ECONO-FILL® Loosefill Attic Insulation (Vermiculite)	69
Edible Oils	93, 109
EDTA (Chelating Agents)	70, 78
Eggs (Dairy Products)	109
ELECT® Electrolytic Cleaner	79, 84
Electrical Parts Cleaners (Metal-Working)	79, 84
Electric Appliances	99
Electrolytic Cleaners (Cleaning Prior to Electroplating)	79, 84
ELEPHANT TRUNKS® Plastic, Concrete Handling Accessory (Specialty Products)	62, 74, 103
Emulsifiers, Agricultural	92
Emulsion Breakers, Oil	87
EMULSOWAX® Synthetic Wax	52
Emulsions	
Adhesive	65, 96
Coating—See Paint Chemicals	
Drawing	63, 99
Paint	66, 101
Enamel, Concrete Floor (Floor Materials)	62, 74, 99
Enamels, General Purpose	99
ENDCOR®	
Cooling Water Corrosion Inhibitor	87
Maintenance Coatings	87
ENDURA® Specialty Papers Bases for Sandpaper, Clothing Tags, Book Papers	67
ENDURA® Tape Backings Bases for Pressure Sensitive and Gummed Tapes	67, 80, 96
ENDURE® Floor Polish	83
Entraining Agents, Air— See Concrete and Cement Chemicals	
ENVIRON® Disinfectant for Animal Quarters	89
Epoxidized Oils	48, 50
E-POXTITE® Binder or Weld Masonry Adhesive (Specialty Products)	62, 74, 103
E-POXTITE® Filled Grouting Compound (Specialty Products)	62, 74, 103
Epoxy Coatings	
(Floor Materials)	62, 74, 99
(Technical Coatings)	62, 75, 103
(Pipeline Coatings)	87
Epoxy Plasticizers	50
Equipment	
Animal Insemination, Dairy and Beef	38
Battery Dry Charge Process Equipment	61, 74, 97

	PAGE
Equipment (cont'd)	
Car Wash Dispensing Equipment	85
Dispensing Equipment, Soaps and Cleaners	79, 83, 87
See also Specific Cleaner	
Flange Coating Machinery	63
Flexible Packaging Equipment and Systems	42, 77, 99
Floor Cleaning Machines and Accessories	88
Polystyrene Molded Foam Board Manufacturing Equipment	68
Rug Cleaning	88
Sealing Compound Application and Drying Equipment	63, 75, 98
Seed Treating Equipment	39
Textile Finishing Equipment	67, 79, 103
Erbium Oxide (Rare Earths)	54
Esters, Acetate	96
Esters, Aliphatic (Plasticizers)	50, 101
Esters, Dimerginates	99
Etchants, Aluminum (Metal-Working)	79, 84
Ethanol diglycine Disodium Salt	70
Ethyl Acetate (Acetate Esters)	96
Ethyl Alcohol	48, 99
Ethylenediaminetetraacetic Acids and Salts	70
Europium Oxide (Rare Earths)	54
EVERFLEX® Paint Emulsions	66, 101
Examination Room Products—See Medical Supplies	
EXFOAM® Antifoam and Defoaming Formulations	79, 87
Exhaust Catalysts, Automotive (Industrial Catalysts)	54
Exhaust Catalysts, Diesel (Industrial Catalysts)	54
Expanded Polystyrene Molded Foam Board	68
Expansion Joint, Cement, Sidewalk and Building Joint Sealer (Caulks and Sealants)	62, 74, 98
Expansion Joint Fillers	62, 75
Exterior/Interior Paints	99
Extruded Plastic Products	88
See also Fabricated Plastics	
Extrusion Coatings	45

F

Fabricated Plastic Articles	
Bags—See Flexible Packaging	
Boxes (Blow Molded Packaging)	42, 77
Polyvinyl Chloride Molded and Blown	102
Fibers, Monofilament and Multifilament	43

	PAGE
Fabricated Plastic Articles (cont'd)	
Film and Sheet, Vinyl, Supported and Unsupported	52, 76, 102
Films, Shrinking—See Flexible Packaging	
Foams—Alphabetically Indexed	
Industrial Films	77
Laminates, Industrial and Decorative	42, 44, 77, 100
Monofilament and Multifilament	43
Office Supplies	50
Ribbon Yarns, Polyethylene and Polypropylene	43
Rigid Containers	42, 77, 102
Rope and Cordage	43
Shrinking Bags, Films and Pouches for Packaging	42, 77, 103
Table Covers	76, 102
Tapes, Electrical Wire Identification	43
Toys, Plastic	104
Trays, Plastic	42, 77, 101
Yarns, Shrinker, M.O.	43
Fabric, Floor Repair (Floor Materials)	62, 74, 99
Fabric, Polypropylene Ribbon, Woven	43
Fabrics, Vinyl	52, 76, 102
FABRILON® Plastic Examination Gowns	89
Face Mask, Disposable	89
Farm Building Insulation	68, 69
FARRO-LAC® Sow Feed	40
Fatty Acids	49
Feeds—See Animal Feeds and Supplements	
Felt Cleaning System, Paper Mill	79, 84
FERRO-FAX® Metallic Floor Hardener (Floor Materials)	62
FERROSO "G"® Non-shrink Grout (Specialty Products)	62, 74, 103
FERROSO "W"® Metallic Waterproofing Compound (Specialty Products)	62, 74, 103
FERRO-TERJ® Metal Washing	79, 84
Fertilizer Carrier (Vermiculite)	69
Fertilizers and Fertilizer Materials	
Ammonium Nitrate	37
Ammonium Nitrate Limestone	37
Ammonium Sulfate	37
Anhydrous Ammonia	37
Diammonium Phosphate	38
Granulated Fertilizers (Mixed Fertilizers)	38
LAWN SPRAY Fertilizer	38
Liquid Fertilizers	38
MAG AMP Fertilizer	38
Mixed Fertilizers	38
Nitrogen Solutions	39
SLURRY-MIX Fertilizers	40
Superphosphates	
Single	40
Triple	40
Water Soluble Fertilizers	37
Urea, Solid	40
Urea Solutions	40

	PAGE
FERTILLO® Alfalfa Seed	39
Fiber Can Sealants and Coatings	63
FIBERFLEXOR®, ORBITAL, DAREX—Textile Finishing Equipment	67, 79, 103
Fibers, Knitted Synthetic	100
Fibers, Polyethylene and Polypropylene	43, 100
Fibrous Glass Products—See Glass Fiber	
Field Seed—All Varieties	39
Film Coatings (DARAN Paper Coating Latexes)	65
Film, Polyethylene	42, 44, 77, 102
Film, Shrinking and Laminates—See Flexible Packaging	
Film, Vinyl, Supported and Unsupported	52, 76, 102
FILMEEN® Corrosion Inhibitors	79, 87
FILMITE® Paint Spray Booth Coat, Clear and Pigmented	76, 84
FILMITE® Peel Paint Spray Booth Protector	79, 84
Finished Rope and Cordage	43
Finishes	
See: Building Maintenance Products	
Flattening Agents	
Floor Materials	
Lacquers	
Leather Chemicals	
Paints	
Primers	
Protective Coatings	
Varnishes	
Fireproofing, Steel Column and Beam (Vermiculite)	69
Fireproof Plaster Aggregate (Vermiculite)	69
FIRST BASE® Floor Sealer	83
Fish	110
Fish Meal	93
Fish Oil	99
Flange Coating Machinery (Compound Application and Drying Equipment)	63
Flange Coatings	63
Flat Leather Lacquer—See Leather Chemicals	
Flattening Agents for Finishes (SYLOID Micron-Sized Silicas)	55, 78
Flattening Base—See Leather Finishes	
Flexible Packaging	
Bags, Net	77
Bags, Shrinking	42, 77, 103
Casings, Food Products	77, 97
Equipment, Clip Applicators	42, 77, 99
Equipment, Customized Packaging Lines	42, 77, 99
Equipment, Form and Seal	42, 77, 99
Equipment, Shrink Tunnels	42, 77

	PAGE
Flexible Packaging (cont'd)	
Equipment, Vacuum Sealing	42, 77
Film, Non-shrinking, PVC	77
Film, Shrinking	
Polyethylene	42, 77, 103
Film, Shrinking	
Polypropylene	42, 77, 103
Film, Shrinking Polyvinylidene Chloride	42, 77, 103
Laminates	42, 44, 77
Pouches	42, 44, 77, 102
Trays, Plastic	42, 77, 101
Flexible Printing Plate Compound	67
FLEXOCRAFT® Printing Rollers	67
FLEXWELD® Organic Solder—Thermoplastic Cement (Organic Solders)	64, 76
FLIP-FILE® Photo Albums	50
FLO-BRITE® Floor Polish	83
Floor Materials and Products	
Adhesives	61, 65, 67, 74, 75, 96
Bonding Agents—Alphabetically Indexed	
Cleaner, Floor (Floor Materials)	62, 74, 83, 88, 99
Coating, Polyurethane Floor (Floor Materials)	62, 74
Colorants, Cement (Floor Materials)	62, 74, 98
Enamel, Concrete Floor	62, 74, 99
Fabric, Repair, Floor	62, 74, 99
Finish, Floor	62, 79, 87
Grease and Stain Remover	53
Grouts (Floor Materials)	62, 74, 99
Hardeners (Floor Materials)	62, 74, 99
HORNSTONE Materials (Floor Materials)	62, 74
Insulation, Floor (Vermiculite)	69
Masonry Materials (A. C. HORN PRODUCTS)	61, 74
Masonry Surface Materials (Floor Materials)	62, 74, 99
Patch, Floor (Floor Materials)	62, 74, 99
Patching and Resurfacing Materials	62
Sealers	62, 74, 83, 88, 103
Tile, Floor	99
Tile Reinforcing Resins (DAREX Copolymer Resins)	66, 78, 98
Waxes (Floor Materials)	79, 83, 88
Wax Stripping Compounds	79, 88
Flotation Billets (Polystyrene Molded Foam Board)	68
Flour, Wheat	93
FLOW®—All Purpose Cleaner	83
FLUAT®—Liquid Floor Hardener	62, 74
Fluid Petroleum Cracking Catalysts—See Catalysts, Petroleum	
Fluosilicic Acid (Hydrofluosilicic Acid)	38
Fluxes, Crystal (Soldering Crystals)	64, 103
Fluxes, Liquid	64, 103
Foam Products	
Polystyrene Molded Foam Board	68

	PAGE
Foam Products (cont'd)	
Polyurethane Foam	52, 102
Polyvinyl Chloride Foam (Latex Foam)	99
Rubber Foam (Latex Foam)	99
FOAMALL®—Foam Detergent Applicator (Transportation)	85
Foil, Paper	44
Foil, Tissue	44
Foil, Unsupported	44
Folding Boxes	95
Food Additives (Syloid Micron-Sized Silicas)	55, 78
Food Manufacturing—Processing Cleaners	79, 83
Food Packaging—See Flexible Packaging	
Food Products and Beverages	
Baby Food	93
Beer	110
Biscuits	93
Candies	93
Canned Foods	93, 109
Cereals	93
Chip Dips	109
Chips	110
Chocolate Products	93, 107
Coatings	107
Cocoa Butter	107
Cocoa Powder	93, 107
Coffee and Tea	107
Confectionery, Non Chocolate	107
Confectioner's Coating	107
Convenience Foods	109
Cookie Drops	107
Cookies	93
Couverture	107
Dairy Products	109
Desserts	94, 107
Fish	110
Flour, Wheat	89
Frozen Foods	110
Fruit Concentrates and Nectars	94
Gin	93
Horseradish Sauces	109
Herrings	109
Jams and Marmalades	94, 109
Margarine	94
Meat Products	94, 109
Molasses	94, 109
Nuts, Salted	107
Oils, Edible	93, 109
Olives and Cocktail Varieties	109
Pickle Products	109
Popcorn (Seeds)	39
Pudding Powders	94, 107
Rum	94
Salad Products	109
Sauces and Dressings	94, 110
Seafood	110
Shortening	94, 109
Shrimp and Shellfish	110
Snacks	109

	PAGE
Food Products and Beverages (cont'd)	
Soft Drinks	107
Sugar, Raw and Refined	94
Syrups	110
Vodka	94
Food Processing, Maintenance and Cleaning Products	79, 83
Formaldehyde	99
Form and Seal Equipment (Flexible Packaging Equipment)	42, 77, 99
Form Coatings, Plywood (Specialty Products)	62, 74, 103
FORMFILM® Concrete Form Coating (Specialty Products)	62, 74, 103
FORMSHIELD® Concrete Form Coating (Specialty Products)	62, 74, 103
FORM OIL CONCENTRATE® Concrete Form Coating (Specialty Products)	62, 74
FORMULA T-K® Cleaning Compound	83
Frozen Foods	110
Fruit Concentrates and Nectars	94
FUEL MATE® Fuel Additive (Miscellaneous Products)	79, 87
Fuel Oil Additives (Miscellaneous Products)	79, 87
Fuels, Nuclear	
See Nuclear Fuel Materials	81
Nuclear Fuel Scrap Recovery	81
Reprocessing and Transportation of Spent Fuels	81
Fumarates, Plasticizers	50
Fumaric Acid	49
Fungicides (Pesticides)	39, 93
G	
Gadolinium Oxide (Rare Earths)	54
GALVANIDE® Metal Primer (Technical Coatings)	62, 75, 103
Galvanizing Blanket Crystals	63
Gas Absorbents	65, 78, 99
Gases, Industrial	38
Carbon Dioxide	
Hydrogen	
Nitrogen	
Gasketing Compounds for Metal, Glass and Fiber Containers and Industrial Parts	62, 63, 64, 75, 98
Gel-Coats, Specialty Polyester Resins	49
Germicidal Detergents	79, 83, 88
Germicides	79, 83, 88
Gin	93
GLASFLEX Membrane Fabrics (Floor Materials)	62, 74, 99
Glass Container Products	
See Container Products	

	PAGE
Glass Fiber Insulation	68
Glass Fiber Mats	61, 74
Glass Fiber Reinforcing Materials for Plastics	49
Glazing Compound (Caulks and Sealants)	62, 74, 98
Gloves, Disposable	89
Glyceryl Triacetate (Plasticizers, Specialty)	51
GRACE GREENTOWN* Agricultural Products	38
GRACON® Vinyl Compounds	52
Grain, Seed	39
Graphic Arts Products— See Printing and Graphic Arts Products	
Grass Seed	39
Grease Absorber (Vermiculite)	69
Grease and Stain Remover (Specialty Products)	62, 74, 103
(Solvents)	52
GRAYTONE® Printing Rollers	66
GREEN STREAK* Concrete Corner Former (Specialty Products)	62, 74
Grinding Aids, Cement	62, 74, 94
Grinding Fluids	79, 84
GRIP-STRIP* Plastic Binding Strip	50
Grocery Kraft Bags	95
Grouting Materials (Floor Materials)	62, 74, 99
Gum, Chewing	107
Gum, Rubber Plate	67

H

HAMP-ENE® Chelating Agents EDTA—Ethylenediaminetetraacetic Acid and Salts	70
HAMP-EX® Chelating Agents DTPA—Diethylenetriaminepentaacetic Acid and Salts	70
HAMP-OL® Chelating Agents HEDTA—Hydroxyethylethylenediaminetriacetic Acid and Salts	70
HAMP-ONATE* Chelating Agents— Sodium Glucoheptonate	70
HAMPOSYL* Surfactants N-Acyl Sarcosine Surfactants	70
HAMPSHIRE* Chelating Agents DEG—Diethanolglycine Sodium Salt	70
EDG—Ethanolglycine Disodium Salt	70
NTA—Nitrilotriacetic Acid and Salt	70
Hand Towels, Disposable	89
Hardeners for Masonry Floors (Floor Materials)	62, 74, 99
(Specialty Products)	62, 74, 103

	PAGE
Hard Facing Materials	95
HATCOL® 16 Epoxidized Soybean Oil	48
HATCOL® 18 Octyl Epoxy Tallate (Epoxidized Oils)	48
HATCOL® 82, 88 (Plasticizers, Low Temperature)	51
HATCOL® 228, 29, 230, 237, 247 (Plasticizers, Semi-Polymeric)	51
HATCOL® 324, 327, 328, 329 (Plasticizers, Secondary)	51
HATCOL® 332, 334 (Plasticizers, Specialty)	51
HATCOL® 340—Rigid PVC Lubricant	52
HATCOL® 630, 640, 652, 654, 660, 684 (Plasticizers Polymeric)	51
HATCOL® 1606—Anti-Static Agent	47
HATCOL® D-FMA—Acids, Fatty	49
HATCOL® MC—Myristyl-Cetyl Alcohol Blend	50
HATCOL® P-70—Triethylene Glycol Caprylate-Caprate (Plasticizers, Esters, Aliphatic)	50
HATCOL® P-72—Triethylene Glycol Dicaprate (Plasticizers, Esters, Aliphatic)	50
HATCOL® R-FA—Polymerized Fatty Acids	49
HEA 2*—Cement Grinding Aid	62, 74
Health Industries Products	
Antiseptic Liquid Soaps	79, 88
Detergents	79, 88
Disposable Professional Office Products Gloves, Masks, Gowns, Sheets	89
Equipment—Alphabetically Indexed	
Floor Maintenance Materials— Alphabetically Indexed	
Gas Absorbents, Soda Lime Hospital Anesthesia Systems (Gas Absorbents)	65, 78, 99
Germicidal Detergents	79, 83, 88
Germicides	79, 83, 88
Surgical Soap and Detergents, Liquid	79, 88
Heat-Resistant Paints and Coatings See also Technical Coatings	87
Heat Sealable Coatings, Paper Wrapper (Thermoplastic Coatings)	64, 76
HERBA-LIZER® Liquid Fertilizer	38
Herbicides (Pesticides)	39, 93
Herrings	109
HI-ALK* Bottle Washing Compound	53, 79
HI-FLO® GRAN-U-LATED Triple Superphosphate	40
RUN-O-PILE, Triple Superphosphate	40
High Alkaline Cleaner (Metal Working)	79, 84
High Alumina Catalysts (Catalysts, Petroleum)	54

	PAGE
High Barrier Paper Coatings (DARAN Paper Coating Latices)	65
High Concentrate Cleaner (Specialty Products)	62, 74
High Temperature Insulation (Vermiculite)	69
HI-RAM® Textile Blankets Lapping Blankets for Textile Finishing Equipment	67, 79
Holmium Oxide (Rare Earths)	54
HOLZON® Swimming Pool Coating (Technical Coatings)	62, 75, 103
Home Canning Lid Gasketing Compounds	64
Homopolymer Emulsions (DARATAK Adhesive Emulsions)	65, 96
HORN CLEAR SEAL* Floor Sealer (Floor Materials)	62, 74, 99
HORN® Construction Products	61
HORNCURE® Concrete Curing Compound (Specialty Products)	62, 74, 103
HORNIFLEX® Polysulfide Construction Sealant (Caulks and Sealants)	62, 74, 98
HORN LUME* Roof Coating (Waterproofing and Roofing Materials)	62, 75, 104
HORN LUX* Masonry Sealer (Floor Materials)	62, 74
HORNOLITH® Concrete Hardener (Floor Materials)	62, 74, 99
HORN POLYURETHANE FLOOR COATING* Masonry and Wood Finish Coat (Floor Materials)	62, 74, 99
HORNSEAL® Caulking Compound (Caulks and Sealants)	62, 74, 98
HORNSTONE® Concrete Hardener (Floor Materials)	62, 74, 99
HORNTRAZ* Concrete Sealer (Floor Materials)	62, 74, 99
HORN VINYL* Masonry Coating (Specialty Products)	62, 74, 103
Horseradish Sauces	109
Hospital Products— See Health Industrial Products; Medical Products	
Hot-Drink Cups	89
Hot-Melt Cements, Composite Can	63
HOT POURED PARA-PLASTIC® Joint Sealer	62, 74
House Insulation—See Insulation, Construction	
HOWFLEX® Plasticizers	50
HOWSORB* Sorbitol (Humectants)	49
Humectants	49
Hybrid Seed	39
Hydrates—Alphabetically Indexed	

	PAGE
HYDRATITE® Masonry Waterproofing	62, 74, 104
Hydrocarbon Combustion Catalyst (Industrial Catalysts)	54
Hydrochloric Acid	99
Hydrofluosilicic Acid	38
Hydrogen (Industrial Gases)	38
Hydrogenation Catalyst (Industrial Catalysts)	54
Hydroxyethylethylenediaminetriacetic Acid and Salts	70
HY-POWR® Dishwashing Compound	83
I	
Ice Cream (Dairy Products)	109
Ice Cream Coatings	107
Immersion Tank Cleaner (Transportation)	79, 85, 87
Impregnated Papers (Specialty Papers) (Tape and Specialty Backings)	61 67, 80, 96
Indicator Absorbent (Gas Absorbents)	65, 78, 99
Industrial Adhesives	75, 100
See also Adhesives and Bonding Agents	
Industrial Belts	100
Industrial Catalysts—See Catalysts, Industrial	
Industrial Cleaners (Metal-Working)	79, 84
Industrial Gases	38
Industrial Gasketing Compounds	62, 63, 64, 75, 98
Industrial Housekeeping Products (Metal-Working)	79, 84
Industrial Soaps—See Cleaners and Disinfectants	
Industrial Solvents—See Solvents	
Industrial Tapes (Tape & Specialty Backings)	67, 80, 96
Industrial Towels and Wipes	89
Industrial Water Treatments—See Water Treatments	
Inhibitors, Corrosion—See Corrosion Inhibitors	
INKOWAX® Synthetic Wax	52
Inks, Lithographic	100
Insecticide Base Oils	49
Insecticide Carrier (Vermiculite)	69
Insecticides (Pesticides)	39, 93
Insecticide Solvent (Agricultural Solvent)	92
Insemination Equipment (Animal)	38

	PAGE
Insole Material	67
INSTA-MAGIC® Photographic Albums	50
Insulation, Construction	
Glass Fiber Blanket, Insulating	68
Perlite	68
Polystyrene Foam Board	68
Polystyrene Board Making Equipment	68
Vermiculite Loose Fill Insulation	69
Vermiculite Spray Insulation	69
Insulators, Automotive Battery (Battery Separators)	61, 74, 97
INSULPAVE® Vermiculite Asphalt-Roof Insulation	69
IODET® Sanitizer, Glass Washing	79, 83
IODP Iso-octyl Iso-decyl Phthalate (Plasticizers, Phthalates)	51, 101
Iso-octyl Iso-decyl Adipate ((Plasticizers, Adipates)	50
Iso-Phthalates, Plasticizers	50
Isopropyl Alcohol	49
J	
Jams and Marmalades	94, 109
Japan Wax	49
Jar Cap and Lid Gasketing Compounds	64, 76, 97
Jet Engine Lubricants and Base Stocks	49
Joint Coatings (Pipeline Coatings)	87
Joint Fillers, Premolded	62, 75
Joint Sealing Compounds	62, 75
Joint Wrappers (Pipeline Coatings)	87
K	
Kentucky Blue Grass Seed	39
Ketones	
Acetone	47
Methyl Ethyl Ketone	49
Methyl Isobutyl Ketone	49
Kitchen Housekeeping Products (Dishwashing & Kitchen Sanitation)	79, 83
KLARIFIANT® Water Wash, Paint Booth Compound	79, 83
KLORO-KOL® Chlorinated Dish Machine Compound	79, 83
Knitted Fibers, Synthetic	100
K-O-KOTE® Cellophane	44
K-O-L SUPREME® Dish-Washing Machine Compound	79, 83
KORALITH® Printing Rollers	67
KORALTONE® Printing Rollers	67
KORK-PAK® Joint Filler	37, 73

	PAGE
Kraft Bags, Grocery	95
Kraft Paper	95
KUPRO® Electrolytic Cleaner	79, 84
KWIK ROC® Floor Patching Compound	62, 74, 99
KYTOON® Kite Balloons for Advertising and Scientific Uses	64, 80
L	
Label Coatings, Composite Can	63
Lacquers	
Automotive Lacquers	97
Container and Closure Lacquers	76
Fillers for Wood Surfaces	100
Primers—Alphabetically Indexed	
Varnishes	104
Wood Lacquers	104
See also Paints and Paint Chemicals	
Laminates, Films (Flexible Packaging)	42, 77
Laminates, Industrial and Decorative	44, 100
Laminates, Vinyl (Vinyl Film and Sheet)	44, 52, 76, 102
Lanthanum Oxide (Rare Earths)	54
Latex Foam	102
LATEX-LUBE® Rubber Anti-Adhesive	79, 84
Latex Paints	100
Latices and Emulsions	
Adhesive Emulsions	65, 96
Carpet and Textile Latices	66
Paint Emulsions	66, 101
Paper Coating Latices	65
Pigment Binder	66
Polyvinylidene Chloride Latices (DARAM Paper Coating Latices)	65
Styrene-Butadiene Latices (DAREX Carpet and Textile Latices)	66
Lauroyl Sarcosine Acid (Surfactants)	70
Lawn Grass Seed	39
LAWN SPRAY® Fertilizer	38
Leather Chemicals	
Adhesives	65, 75, 100
Emulsions, Finishing (DAREX Coating Emulsions)	64
Leather Oils	100
Polishes and Stains	75
Tanning Agent (Leather Oils)	100
Legume Seeds	39
Letterpress Packing Blankets	66, 79
LEV-L-LINE® Textile Print Blankets	66, 79, 103
LIFT-AWAY® Industrial Cleaner	79, 83
Lightweight Aggregates, Concrete and Plaster	69
Liners and Corrugating Medium	96

	PAGE
Liquid Fertilizers	38
Liquid Fluxes	64
Liquid Soaps, Antiseptic	79, 83, 88
Liquid Solvents and Drawing Compounds	
Drawing Emulsions	63, 99
Drawing Lubricants	63, 99
Liquid Tin Soldering	64
Wetting Agents	39, 70, 95
LIQUI-LUBE® Rubber Stock Lubricant	84
LITHOCRAFT® Printing Rollers	66
Lithographic Inks	100
Lithographic Printing Blankets	66, 79
LITTLE BUSTER® Popcorn (Seeds)	39
Livestock	
Dairy and Beef Cattle Insemination	39
Livestock Feeds and Supplements— See Animal Feeds and Supplements	
LONDON® Soft Drinks	107
LOOB® Chain Conveyor Lubricants	79, 84
LOOBASE® Chain Conveyor Lubricants	79, 84
Loose Fill Insulation (Vermiculite)	69
LUBARS® Chain Conveyor Lubricants	79, 84
Lubricants	
Conveyor Lubricants (Beverage and Brewing Industries)	79, 83
Drawing Lubricants	63, 99
Grease and Oils	84, 85
Jet Engine Lubricants	49
Lubricating Soap (Rubber Processing)	79, 84
Mold Release Agents	49
Rigid PVC Lubricants	52
Rubber Anti-Adhesive Agents (Rubber Processing)	79, 84
LUSTRE-LITE® Polypropylene Monofilament	43
Lutetium Oxide (Rare Earths)	54

M

Machine Dishwashing Compounds (Dishwashing and Kitchen Sanitation)	79, 84
Machinery, Application—See Equipment	
(MAG AMP)®—Magnesium Ammonium Phosphate and Magnesium Ammonium Potassium Phosphate (MAG AMP)	38
Magnesium Silicofluoride (Silicofluorides)	40
Magnetic Equipment and Materials (Magnetic Materials)	95
Maintenance Coatings	79, 87
Maintenance Paints	79, 87, 100
Maintenance Products—See Building Maintenance Products	

	PAGE
MAINTENEX® Floor Cleaner	62, 74, 99
Maleates (Plasticizers)	50
Maleic Anhydride	49
MARCO® Polyester Resins	51
MARCO-COTE® Polyester Resins	51
MARCOLITA® Polyester Resins	51
MARCOTHIX® Polyester Resins	51
Margarine	94
Marine Paints	87, 100
Masks, Disposable, Face	89
Masonry Coatings (A. C. HORN PRODUCTS)	62, 74
Masonry Fill Insulation	68, 69
Masonry Wall Insulation	68, 69
Mastic Compounds (Waterproofing and Roofing Materials)	62, 75, 104
MAXIPRINT® Textile Print Blankets	66, 79, 103
MAXWELL® Insecticides, Fungicides, Herbicides (Pesticides)	39, 93
MC-1® Polyester Resin Catalyst	51
MCP Di-methoxyethyl Phthalate (Plasticizers, Phthalates)	51, 101
Meat Processing Industry Cleaners (Food Manufacturing-Processing)	79, 83
Meat Products	94, 109
Medical Products	
Examination Draping Sheets and Gowns, Disposable	89
Examination Table Paper Rolls	89
Gloves, Disposable	89
Masks, Face, Disposable	89
Soda Lime Gas Absorbent	65, 78, 99
Towels, Disposable, Professional	89
See also Health Industries Products	
Melamine Formaldehyde Resins	100
Membrane Fabrics (Waterproofing and Roofing Materials)	62, 75, 104
Mercury, Dental	89, 94
MESH BOLSTERS® Reinforcing Bar Supports (Specialty Products)	62, 74, 103
Metal Brighteners	79, 84
Metal Building Insulation	68, 69
Metal Chelating Agents	70, 78
Metal Cleaners	79, 84, 87
Metal Container Sealing Compounds— See Container Products	
Metal Degreasing Solvents (Transportation)	79, 85
Metal Galvanide Primers	100
(Technical Coatings)	62, 75, 103
(Waterproofing and Roofing Materials)	62, 75, 104
Metallurgical Specialties Cutting Bits	94

	PAGE
Metallurgical Specialties (cont'd)	
Dental Alloys	94
Hard Facing Materials	95
Magnetic Devices and Materials	95
Resistance Wire	95
Metal Parts Coatings	87
Metal Primers (Technical Coatings)	62, 75, 103
(Waterproofing and Roofing Materials)	62, 75, 100, 104
Metal Stamping Emulsions, Sheet (Drawing Emulsions)	63, 99
METALON® Metallic Waterproofer	62, 75
Meteorological Balloons	39, 70, 85
Methyl Alcohol	49
Methylaminoacetic Acid (Chelating Agents)	70
Methylcyclohexyl Alcohol	49
Methyl Ethyl Ketone	49
Methyl Ethyl Ketone Peroxide (Curing Agents)	48
Methyl Isobutyl Ketone	49
Microbiological Treatments (Biocides)	79, 87
Milk (Dairy Products)	109
Milk Chocolate Crumb	107
Mill Felt Cleaner, Paper (Paper Mill Products)	79, 84
MILLER HIGH LIFE® Beer	110
Minerals, Animal Feed	37
Minerals—See also Ores and Minerals	
Mineral Spirits	49
MIR-A-KOL® Dish Machine Compound	79, 83
MIR-A-KLOR-X® Dish Machine Compound	79, 83
Mixed Fertilizers See also Fertilizers and Fertilizer Materials	38
Moisture Removal Products— See Desiccants and Adsorbents	
Molasses	94, 109
MOLDED PARA-PLASTIC® Premolded Joint Sealing Strip (Joint Sealers)	62, 75
Molded Products	66
Mold Release Agents	49
Molecular Sieves	54, 78
MONASTITE® Cementitious Masonry Coating	62
Monofilaments, Polyethylene and Polypropylene	43
MONO-KOTE® Fireproof Plaster Aggregate	69
Montan Wax	50
MOREA® Cattle Feed	92
Mortar Admixtures—See Concrete and Cement Chemicals	

	PAGE
Mortar Boards and Pans, Plastic Mason's Equipment	62
MOR-TIM® Timothy (Seed)	39
MR® Polyester Resin	51
MRDA® Cement Retarder (Retarding Additives)	62, 102
MS® Microspherical Silica-Alumina Catalyst (Industrial Catalysts)	54
Mulch (Vermiculite)	69
Mullite Pellets	54, 78
Multifilament, Polyethylene and Polypropylene	43
Multiwall Paper Bags	96
Mylar	44
Myristyl-cetyl Alcohol	50

N

NACO®	
Fertilizer, Granulated (Mixed Fertilizers)	38
Fertilizer, Pulverized (Mixed Fertilizers)	38
Fungicides, Herbicides, and Insecticides (Pesticides)	39, 93
Naphthalene	101
NAPIER® Orchard Grass (Seeds)	39
Native Grass Seed (Seeds)	39
Nematocides (Pesticides)	39, 93
Neodymium Oxide (Rare Earths)	54
Neoprene Latex Meteorological Balloons	64, 80, 97
Neoprene Pads (Bridge Products)	64, 80
Net Bags	77
Net Bags, Cotton (PERMAC)	77
NEUTRA-GLOSS® Floor Wax	79, 83
NEUTRALAVE® Floor Cleaner	79, 83
Nickel Catalyst (Industrial Catalysts)	54, 78
NIPOCERA® Synthetic Wax	52
NI SOL® Urea Solutions	40
NITREX®	
Ammonium Nitrate	37
Calcium Ammonium Nitrate	37
Nitrogen Solutions	39
Nitrioltriacetic Acid—NTA (Chelating Agents)	70, 78
Nitrogen (Industrial Gases)	38
Nitrogen Solutions	39
NODA Di-n-octyl n-decyl Adipate (Plasticizers, Adipates)	50
NODOGEN® Nitrogen Fixing Bacteria Inoculation	38
NODP Di-n-octyl n-decyl Phthalate (Plasticizers, Phthalates)	51, 101

	PAGE
MODTM Tri-n-octyl n-decyl Trimellitate (Plasticizers, Trimellitates)	51
Noise Control Insulation (Polystyrene Molded Foam Board)	68
NOISE-GUARD® Sound Conditioning Insulation	68
Noise Reducing Compounds, Automotive (Sound Deadeners)	74
Non-Web Wetting Agents (Non-Web Compounds)	64
NO-OX-ID®	
Maintenance Coatings	87
Pipeline Coatings	87
Production Coatings	87
NO-OXID-IZED® Pipeline Wrappers	87
NO-TRAK® Sidewalk and Floor Sealer	62, 74
NTA Chelating Agents	70, 78
Nuclear Fuel Materials	81

Plutonium	
Pu Carbide	
Pu Metallic Alloys	
Pu Nitrate	
PuO ₂ -UO ₂	
PuO ₂ -UO ₂ Ceramics	
Thorium	
Thorium Alloy, Ingots and Rods	
Thorium Carbide	
Thorium Fluoride	
Thorium Hydroxide	
Thorium Metal Pellets, Ingots and Rods	
Thorium Metal Powder	
Thorium Nitrate	
Thorium Oxalate	
Thorium Oxide	
Thorium Oxide Ceramics	
Thorium Sulfate	
U ²³³ Metal	
U ²³³ O ₂ , Th O ₂ —Pellets	
U ²³³ O ₂ —Powder, Pellets	
Unirradiated Scrap Recovery	
PU Compounds	
PU Metal	
PU Metallic Alloys	
PU Mixed Oxides	
U-Al Alloys	
U Carbides	
U ²³³ Compounds	
U ²³³ Metal	
U ²³³ Metallic Alloys	
U ²³³ Mixed Oxides	
U-Oxides	
U-Nb Alloys	
U-Mo Alloys	
Uranium Metal	
U-Zr Alloys	
UO ₂ -Be O	
UO ₂ -SS Cermets	
UO ₂ -Th O ₂	
UO ₂ -Zr O ₂	
UC ₂ -Th C ₂	
Uranium	
Ammonium Diuranate	

	PAGE
Nuclear Fuel Materials (cont'd)	
Sodium Diuranate	
Sphere Coatings—Nb, W, Graphite and other Metals	
Triuranium Octoxide (U ₃ O ₈)	
U Carbide Spheres	
UO ₂ Spheres	
UO ₂ -Th O ₂ Spheres	
UO ₂ -Zr O ₂ Spheres	
Urania-Thoria Ceramics	
Urania-Zirconia Ceramics	
Uranium Alloy Castings	
Uranium Alloy Ingots and Rods	
Uranium Castings	
Uranium Dicarbide	
Uranium Dioxide (UO ₂)	
Uranium Dioxide Ceramics	
Uranium Hydride	
Uranium Metal Ingots and Rods	
Uranium Metal Melt Stock	
Uranium Metal Powder	
Uranium Metal Sawdust	
Uranium Monocarbide	
Uranium Nitride	
Uranium Tetrafluoride	
Uranium Trioxide (UO ₃)	
Uranyl Nitrate	
Uranyl Sulfate	

Nuclear Fuel Reprocessing and Transportation Services	81
NURISH® Water Soluble Fertilizer	37
Nutrient Carrier, Animal Feed (Verxite)	69
Nutritional Products, Animal— See Animal Feeds and Supplements	

O

ODA Iso-octyl iso-decyl Adipate (Plasticizers, Adipates)	50
ODP iso-octyl iso-decyl Phthalate (Plasticizers, Phthalates)	51, 101
Office Supplies	50
Offset-Printing Blankets	67, 79
Oil, Crude	112
Oil, Edible	94, 109
Oil, Emulsion Breakers	87
Oleoyl Sarcosine Acid (Surfactants)	70, 78
Olives and Cocktail Varieties	109
ONE-KOTE® Silicate Floor Hardener (Floor Materials)	62, 74, 99
Optical Polishing Powders (Rare Earths)	54
ORBITAL FIBERFLEXOR® (Textile Finishing Equipment)	67, 79, 103
Ores and Minerals	
Copper	94
Perlite	68
Petroleum	112
Tin	95
Tungsten	95

	PAGE
Ores and Minerals (cont'd)	
Vermiculite	69
Verxite	69
Wolfram (Tungsten)	95
Organic Chemicals	
Adhesive Emulsions	65, 75, 96
Carpet and Textile Latexes	66
Coating Emulsions	66
Copolymer Resins	66, 78, 98
Dispersing Agents	66, 78, 98
Paint Emulsions	66, 101
Paper Coating Latexes, High Barrier	65
Pigment Binder, Paper Coating	66
Plasticizers	50, 51, 66, 101
See also other types of Organic Chemicals Alphabetically Indexed (e.g. Acids, Esters, etc.)	
Organic Salt of Carboxylated Polyelectrolyte (Dispersing Agents)	66, 78, 98
Organic Solders	64, 76
Organic Synthesis Catalysts (Gas Absorbents)	65, 78, 99
Ouricury Wax	50
Ovens, Sealing Compound Drying (Compound Application and Drying Equipment)	63, 75, 98
O-X® Printing Rollers	67
Oxidation Catalysts (Industrial Catalysts)	54, 78
Oxygenated Solvents	52
Oxygen Scavengers (Boiler Water Treatments)	79, 87
Ozokerite Wax	50

P

PA Phthalic Anhydride	50, 101
Packaging Materials and Equipment	
Bags, Shrinking	42, 44, 77, 103
Blow Molded Packaging	42, 77, 102
Boxes and Cartons—Alphabetically Indexed	42, 77, 97
Casings	42, 77, 97
Coatings—Alphabetically Indexed	
Composite Can Products— Alphabetically Indexed	
Compound Application and Drying Equipment	63, 75, 98
Container Sealing Compounds— Alphabetically Indexed	
Containers, Plastic	42, 77
Custom Flexible Packaging Lines (Equipment)	42, 77, 99
Desiccants, Packaging	54, 78
Equipment, Flexible Packaging	42, 77, 99
Films, Shrinking	42, 44, 77, 103

	PAGE
Packaging Materials and Equipment (cont'd)	
Flexible Packaging—Alphabetically Indexed	
Laminates, Film (Converted Plastics)	76
(Flexible Packaging)	42, 44, 77
Paper and Paper Products— Alphabetically Indexed	
Paper Coatings, High Barrier	65
Plastics—See Plastic Packaging Materials	
Pouches	42, 44, 77, 102
Pail and Drum Sealing Compounds	64, 76, 101
Paint Chemicals and Ingredients	
Acrylic Copolymer Emulsions (DAREX Coating Emulsions)	66
Butadiene Styrene Copolymer Emulsion (DAREX Coating Emulsions)	66
Degassing Agents (SYLOID Micron-Sized Silicas)	55, 78
Dispersing Agents for Paint Formulations	66, 78, 98
Flattening Agents	55, 78
(SYLOID Micron-Sized Silicas)	55, 78
Solvents and Thinners	104
(Paint Chemicals)	50
(Solvents)	52
Vinyl Acetate Copolymer Emulsions (Paint Emulsions)	61, 101
Vinyl Acetate Homopolymer Emulsions (Adhesive Emulsions)	65, 75, 96
Paints	
Aluminum Heat-Resistant Paint (Technical Coatings)	62, 75, 103
Aluminum Paint (Technical Coatings)	62, 75, 103
Architectural Paints	97
Enamels	99
Exterior/Interior Paints	99
Latex Paints	100
Maintenance Paints	79, 87, 100
Marine Paints	100
Paint Spray Booth Coat and Protection	79, 84
Primers—Alphabetically Indexed	
Rubber Paint, Anti-Corrosive	79, 84
Silicone High-Temperature Paints	87
Swimming Pool Paint (Technical Coatings)	62, 75, 103
Traffic and Zone Paint (Technical Coatings)	62, 75, 103
Paint Spray Booth Maintenance Products (Metal Working)	79, 84, 101
(Transportation)	79, 85, 101
Paint Stripping Compounds	79, 84
Pan Washing Compounds (Dishwashing and Kitchen Sanitation)	79, 83
Paper and Paper Products	
Backings (Tape and Specialty Backings)	67, 80, 96
Bags (Multiwall Paper Bags)	96
Bond Paper	95

	PAGE
Paper and Paper Products (cont'd)	
Boxes and Cartons—Alphabetically Indexed	
Bristol Board	95
Clay-Coated Base Stock (Specialty Papers)	61
Coated Paper (Specialty Papers)	61
Coatings for Paper, High Barrier	65
Finish Coatings (SYLOID Micron-Sized Silicas)	55, 78
Kraft Paper	95
Linen Embossed Paper	44
Liners and Corrugating Media	96
Paper Board	95
Pigment Binder, Paper Coating	66
Release Papers, Base Stock (Tape and Specialty Backings)	67, 80, 96
Sandpaper, Base Stock (Tape and Specialty Backings)	67, 80, 96
Saturating Papers (Specialty Papers)	61
Sulfite Paper	96
Tape and Specialty Backings	67, 80, 96
Tissue Papers	96
Vinyl Coated Paper	96
Wrapping Papers	95
Paper Mill Maintenance Products	79, 84
Paraformaldehyde	101
PARA-LATERAL STRIP® Vertical Joint Sealer	62
PARA-PLASTIC® Joint Sealer	62
Parting Agents, Mold Release	49
Pasture Seeds	39
Patching Compounds for Concrete and Masonry (Floor Materials)	62, 74, 99
Peanuts, Salted	107
PEEL FILMITE® Flame-Proof Masking Compound	87
PEP-POP® Popcorn (Seeds)	39
PERJ® Paint Booth Purgent	79, 84
PERL-AG® Perlite Plaster Aggregate	68
PERL-CRETE® Perlite Concrete Aggregate	68
Perlite	68
PERL-TILE® Roof Deck Materials	68
PERL-TROWL® Perlite Concrete Finish	68
PERMAC® Cotton Net Bags	77
PERMADECK® Roof Deck Materials	68
Pesticide Base Oils (Insecticide Base Oils)	49
Pesticide Carrier (Vermiculite)	69
Pesticides	39, 93
Fungicides, Herbicides, Insecticides and Nematocides	
Petrochemical Plant Cleaners (Metal-Working)	79, 84

	PAGE
Petrochemicals—See Specific Product (e.g. Anhydrous Ammonia, Pesticides, etc.)	
Petroleum (Crude Oil)	112
Petroleum Catalysts—See Catalysts, Petroleum	
Petroleum Refinery Cleaners (Metal Working)	79, 84
Phenol-Formaldehyde Molding Powders	101
Phenol-Formaldehyde Resins	101
Phosphates and Superphosphates	
Phosphate Rock	39
Diammonium Phosphate	38
Single Superphosphate	40
Triple Superphosphate	40
Phosphatizers (Metal-Working)	79, 84
Phosphoric Acid 52-54%, 75%, 80% and 85%	39
Phthalates (Plasticizers)	51, 101
Phthalic Anhydride	50, 101
Pickle Products	109
Pigment Binder	66
Pigments and Additives, Chemical Coating (SYLOID Micron-Sized Silicas)	55, 78
Pilot Balloons	64, 80
Pipeline Coatings	87
Casing Filler	
Internal Pipe Linings	
Joint Coatings	
Joint Coatings—Wax Type	
Joint Wrappers	
Pipeline Wrapper—Felt Laminate	
Undercoat Shield	
Pipe, Polyvinylchloride	102
Pitch	101
Plant Propagation Materials	69
Plaster Bonding Agent	61, 74, 96
Plaster, Construction	
Acoustical Plaster Aggregate	69
Fireproof Plaster Aggregate	69
Plaster Texture Material	69
Plastic Adhesives and Cements— See Container Products	
Plastic Articles—See Fabricated Plastic Articles, and Plastics and Resins	
Plastic Cleaner (Pre-Soaking)	83
Plastic Foam Joint Filler—Premolded	62, 75
Plasticizers	
Adipates	50
Epoxies	50
Esters, Aliphatic	50, 101
Fumarates	50, 66
Iso-Phthalates	50
Maleates	50, 66
Phthalates	51, 101
Plasticizers, Low Temperature	51

	PAGE
Plasticizers (cont'd)	
Plasticizers, Polymeric	51
Plasticizers, Secondary	51
Plasticizers, Semi-Polymeric	51
Plasticizers, Specialty	51
Sebacates	51
Triacetin	101
Trimellitates	51
Plasticizers, Concrete (Accelerating and Retarding Admixtures)	61, 74, 96
(Water-Reducing Admixtures)	61, 74, 104
Plastic Packaging Materials	
AIRMOLD Blow Molded	
Polystyrene Boxes	42
Flexible Packaging— Alphabetically Indexed	
Foam Materials—Alphabetically Indexed	
Plastic Trays	42, 77, 101
Rigid Plastic Containers	42, 77
Polyvinyl Chloride, Molded and Blown	97, 102
Plastics and Resins	
Blow Molded Packaging	42, 77, 97, 102
Coumarone-Indene Resins	98
Fabricated Plastic Articles Film, Sheet, Molded Articles— Alphabetically Indexed	
Foam Products—Alphabetically Indexed	
Phenol-Formaldehyde Resins	101
Resins—Alphabetically Indexed	
PLAST-O-DAMP® Printing Rollers	66
Plutonium Compounds—See Nuclear Fuel Materials	
Plywood Form Coatings (Specialty Products)	62, 74, 103
Polish, Floor—See Floor Materials	
Polishing Compounds and Products (Rare Earths)	54
Polyamides	102
POLYCHROME® Corrosion Inhibitor (Cooling Water Treatments)	79, 87
Polyester Resins	51, 102
Polyesters, Fire Retardant	51
Polyethylene	
Bottles	97
Bags	103
Film	42, 44, 77, 102
Monofilaments	43
Pouches	102
Yarns, Shrinker M.O.	77
POLYFIBRON® Printing Blankets for Offset Letterpress and Duplicator Printing Presses	66, 79
Polyglycols	51
Polymerized Fatty Acids	52

	PAGE
Polymerized Organic Salts of Naphthalene Sulfonic Acid (Dispersing Agents)	66, 78, 98
Polymerization Initiators	
Polymer-Fiber Products (POLYFIBRON)	66, 79
Polymers—See: Fabricated Plastic Products Plastics Resins	
Polyolefin Catalysts (Industrial Catalysts)	54, 78
Polypropylene	
Films	42, 77, 103
Monofilament and Multifilament	43
Ribbons	43
Yarns	43
Polystyrene	
Containers and Trays	42, 77, 101
Molded Foam Board and Manufacturing Equipment	68
Polyurethane Floor Coating (Caulks and Sealants)	62, 74, 98
Polyurethane Foam	52, 102
Polyurethane Sealant for Construction Joints (Specialty Products)	62, 74, 103
Polyvinyl Acetate Emulsions (Adhesive Emulsions)	65, 96
(Coating Emulsions)	66
(Paint Emulsions)	41, 76, 91
Polyvinyl Chloride Film	102
Polyvinyl Chloride Foam (Latex Foam)	90
Polyvinyl Chloride Molded and Blown	102
Polyvinyl Chloride Pipe	102
Polyvinyl Chloride Products (Toys)	104
Polyvinyl Chloride Resin	102
Polyvinylidene Chloride Products	
Bags (Shrinking Bags)	42, 77, 103
Films (Shrinking Films)	42, 77, 103
Latices (DARAN Paper Coating Latices)	65
Polyvinyl Waterstop (Waterstops)	62, 75
Popcorn (Seeds)	39
POREX® Roof Deck Materials	68
Pot and Pan Washing Compounds (Dishwashing and Kitchen Sanitation)	79, 83
Potato Chip Industry Cleaners (Food Manufacturing-Processing)	79, 83
Potato Chips	110
Pouches, Flexible Packaging	42, 77, 102
Poultry Industry Products	
Poultry Feeds	39
Poultry House Cleaners and Disinfectants	88
Poultry House Floor Litter (Verxite)	69
Poultry Packaging (Flexible Packaging)	42, 77
(Shrinking Bags)	42, 77, 102

	PAGE
Poultry Industry Products (cont'd)	
Poultry Processing Industry	
Cleaners	
(Food Manufacturing-Processing)	79, 84
Praseodymium Oxide (Rare Earths)	54
Premixes, Animal Feed	
(Beef Feeds)	37
(Dairy Feeds)	37
(Poultry Feeds)	39
(Sheep Feeds)	39
(Swine Feeds)	40
Premolded Joint Fillers	62, 75
Premolded Mastic Lath—Parapet	
Moisture Barrier	
(Specialty Products)	62, 74
Preservatives	
See—Coatings	
Lacquers	
Paints	
Pipeline Coatings	
PRESTIGE* Floor Finish	88
PRIME* Floor Cleaner and	
All-Purpose Detergent	79, 83
Primers	
Metal Galvanide Primers	100
Metal Primers	87, 100
Wash Primers	79, 84, 87
Printing and Graphic Arts Products	
Adhesives, Printing Plate	67
Dryers, Textile Print Blankets	
(Textile Finishing Equipment)	67, 79, 103
Duplicator Press Blankets	
(Offset Printing Blankets)	67, 79
Gum, Rubber Plate	67
Inks, Lithographic	100
Lapping Blankets (Textile	
Printing Blankets)	67, 79, 103
Letterpress Packing Blankets	66
Offset Printing Blankets	67, 79
Printing Plate Compound	67
Roller Printing Blankets (Textile	
Printing Blankets)	67, 79, 103
Rollers, Mechanical	66
Rollers, Printing and Lithographic	67
Screen Printing Blankets (Textile	
Printing Blankets)	67, 79, 103
Textile Finishing Equipment	67, 79, 103
Textile Printing Blankets	67, 79, 103
Washers, Textile Print Blanket	
(Textile Finishing Equipment)	67, 79, 103
Production Coatings	87
Protective Coatings	
See—Coatings	
Lacquers	
Maintenance Coatings	
Paints	
See—Pipeline Coating and Wrappers	
Production Coatings	
Protective Skin Creams	79, 87

	PAGE
PROTEK-PLUG®	
Packaging Desiccants	54, 78
PROTEK-SORB® 88	
Packaging Desiccants	54, 78
PROTEK-SORB® 121	
Packaging Desiccants	54, 78
Pudding Powders and Desserts	94, 107
Pulverized Fertilizers (Mixed	
Fertilizers)	38
PVA Polyvinyl Acetate Emulsion	
(DARATAK Adhesive Emulsions)	65, 96
(DAREX Coating Emulsions)	66
(DAREX 66L Pigment Binder)	66
(EVERFLEX Paint Emulsions)	66, 101
PVC—Polyvinyl Chloride Products—	
See Vinyl Products	
PVdC Latex—Polyvinylidene Chloride Latex	
(DARAN Paper Coating Latices)	65
PYRA-COTE® Floor Finish	88
PYRA-SEAL® Floor Seal	88

Q

Q/M #1 Alkaline Rust Stripper	84
QUICK STRIPPING FORM COATINGS*	
Concrete Form Coatings	
(Specialty Products)	62, 74, 103

R

RAAK* Soft Drinks	107
RACE* Acid Paint Stripper	79, 84
Radar Reflective Balloons	65, 80, 97
RADIOR* Radiator Cleaner	
(Transportation)	79, 85
Railroad Bridge Protective Coatings	
(Maintenance Coatings)	79, 87
Railroad Cleaners (Cleaners)	87
(Transportation)	85
RANEY® Nickel Catalysts	54, 78
Rare Earths	54
Cerium Hydrate	
Cerium Oxide	
Cerium Sulfate	
Dysprosium Oxide	
Erbium Oxide	
Europium Oxide	
Gadolinium Oxide	
Holmium Oxide	
Lanthanum Oxide	
Lutetium Oxide	
Neodymium Oxide	
Polishing Compounds	
Polishing Extender and Defoamer	
Polishing Pads	
Praseodymium Oxide	
Rare Earth Chlorides	

	PAGE
Rare Earths (cont'd)	
Rare Earth Fluorides	
Rare Earth Hydrates	
Rare Earth Oxides	
Samarium Oxide	
Terbium Oxide	
Thorium-Magnesium Hardener	
Thorium Nitrate	
Thorium Oxide	
Thulium Oxide	
Ytterbium Oxide	
Yttrium Oxide	
RAREOX® Glass Polishing Compounds	
(Rare Earths)	54
Raw and Refined Sugar	94
RDA® Cement Grinding Aid	62, 74, 94
Refrigeration Dryers	
(Molecular Sieves)	54, 78
RELEASE® Dishwashing Machine	
Compound	84
Release Papers, Base Stock (Tape	
and Specialty Backings)	67, 80, 96
Reprocessing of Spent Nuclear Fuels	81
RESICHEM® Polyester Resin	51
Resins	
Alkyd Resins	97
Butadiene-Styrene Copolymer Resins	
(DAREX Copolymer Resins)	66, 78, 98
Coating Resins—See	
Coatings and Plastics	
Copolymer Resins	66, 78, 98
Coumarone-Indene Resins	98
Fabricated Plastic Articles—	
Alphabetically Indexed	
Foams—Alphabetically Indexed	
Melamine-Formaldehyde Resins	100
Phenol-Formaldehyde Resins and	
Molding Powders	101
Polyamides, Epoxy Resin	
Curing Agents	102
Polyester Resins	51, 102
Polyvinyl Acetate Resin	65, 102
Polyvinyl Chloride Resin	102
Polyvinylidene Chloride Latices	
(DARAN Paper Coating Latices)	65
Urea-Formaldehyde Resins	94
Resistance Wire	95
RESISTOWAX* Synthetic Wax	52
REST-I-FILM*	
Matte Finish Sheet Protectors	50
Retarding Additives, Cement	62, 102
Retarding Admixtures, Concrete	
(Accelerating and Retarding	
Admixtures)	61, 74, 96
Return Line Treatments	79, 87
Ribbon Yarn	
(Polyethylene, High Density)	43
(Polypropylene)	43
Rigid Foam Board Insulation	68
Rigid Plastic Containers	42, 77, 101

	PAGE
Rigid PVC Lubricant	52
Rigid Vinyl Films	52, 76, 102
RINS-A-TROL* Rinse Injection Device	79, 84
Rinse Agents	
(Dishwashing and Sanitation)	79, 83
RIP* Paint Stripper	79, 84
Rock Products Chemicals	62, 74
Rollers, Mechanical	66
Rollers, Printing and Lithographic	67
Roll Salts, Can Soldering (Soldering Crystals)	64
Roof Coatings, Asphalt (Waterproofing and Roofing Materials)	62, 75, 104
Roofing Materials (Waterproofing and Roofing Materials)	62, 75, 104
Roof Insulation (Vermiculite)	69
Rope and Cordage, Plastic	43
Rose Mulch (Vermiculite)	69
RP 30F, 40F* Hybrid Forage Sorghum (Seeds)	39
RP 110, 200, 220, 288, 330* Hybrid Grain Sorghum (Seeds)	39
RP-MOR-SU, SU-1* Hybrid Sorghum Sudan grass (Seeds)	39
RUBARS* Rubber Anti-Adhesive Agent (Rubber Processing)	79, 84
Rubber and Rubber Products	
Anti-Adhesive Agents (Rubber Processing)	79, 84
Dips, Slab and Sheet (Rubber Processing)	79, 84
Foam (Latex Foam)	99
Mold Release Agents	49
Paints, Anti-Corrosive	87
Reinforcing Agents (DAREX Copolymer Resins)	66, 78, 98
Separants (Rubber Processing)	79, 84
Stock Lubricant, Rubber Anti- Adhesive (Rubber Processing)	79, 84
Synthetic Rubber Container Sealing Compounds	62, 77, 97
Rubber Mold Cleaners (Rubber Processing)	79, 84
Rubber Plate Gum	67
Rubber Waterstop, Formed Joint Sealer	62, 75
RUFFUPP* Exposed Aggregate Retarder (Specialty Products)	62, 74, 103
Rug Backing Products	
Butadiene-Styrene Latices (DAREX Carpet and Textile Latices)	66
Butadiene-Styrene Rubber Reinforcing Resins (DAREX Copolymer Resins)	66, 78, 98
DAWBAC Polypropylene Woven Fabric Backing	43

	PAGE
Rug Cleaners	89
Rug Cleaning Equipment	89
Rum	94
RUN-O-PILE* Superphosphate, Single	40
RUSTBAAR* Primer (Technical Coatings)	62, 75, 103
Rust Inhibitors	
(Metal-Working)	79, 84
(Protective Coatings)	87
(Technical Coatings)	62, 75, 103
Rust Removers	79, 87

S

SAFEGARD® Wax Emulsion (Production Coatings)	87
Salad Products	109
Salt, Industrial	100
Samarium Oxide (Rare Earths)	54
Sandpaper, Base Stock (Tape and Specialty Backings)	67, 80, 96
SANI-FLOR® Poultry House Floor Litter (Verxite)	69
Sanitizer, Glass Washing (Dish- washing and Kitchen Sanitation)	79, 83
Sanitizers, Hospital and Restaurant (Dishwashing and Kitchen Sanitation)	79, 83
See also Cleaners and Disinfectants	
Saran Products—See Polyvinylidene Chloride	
Sarcosinates (Surfactants)	70
Saturating Papers (Specialty Papers)	61
Sauces and Dressings	94, 110
SBR Latexes	
(DAREX Carpet and Textile Latexes)	66
(DAREX Coating Emulsions)	66
SCALE-CLEEN® Scale and Deposit Remover (Miscellaneous Products)	79, 87
Scale Inhibitors (Chelating Agents)	70, 78
Scale Removers (Miscellaneous Products)	79, 87
SCANDIA® Alfalfa Seeds	39
SCAP* Soft Drinks	107
SCAPPY* Soft Drinks	107
Scientific Balloons	64, 80, 97
SDA*—Cement Grinding Aid	62, 94
Sealants—See Caulks and Sealants	
Sealers and Sealants, Automotive and Construction	74
Sealers, Floor	62, 74, 83, 89, 99, 103
Sealers, Wall	62, 103
Sealing Compound Application Machinery— See Container Products	

	PAGE
Sealing Compound Dispersing Solvents	63
Sealing Compounds, Container— See Container Products	
Sealing Strips (Joint Sealing Compounds)	62, 75
Seafood Products	110
Sea Marker Balloons	64, 80, 97
Seam Dopes, Metal Container	64, 103
Sebacates—Plasticizers	51
Sebacic Acid—CP and Regular Grade	52
Seed Carrier (Vermiculite)	69
Seeds	39
Alfalfa	
Clover	
Cotton	
Field Grasses, All Varieties	
Hybrid Corn	
Hybrid Forage Sorghum	
Hybrid Grain Sorghum	
Hybrid Sudan Grass	
Kentucky Blue Grass	
Lawn Grasses	
Native Grasses	
Vegetable	
Seed Starter (Vermiculite)	69
Seed Treating Equipment and Chemicals	39
Selective Separation (Molecular Sieves)	54, 78
Self-Expanding Cork Joint Filler, Compressed Joint Filler	62, 75
Semen	
Dairy and Beef	39
Semi-Synthetic Cracking Catalysts (Petroleum Catalysts)	54
Separants (Rubber Processing)	79, 84
Separators, Automotive Battery	61, 74, 97
SEPOL® Oil Emulsion Breakers	87
SEPTISOL® Antiseptic Surgical Soap	88
Sequestering Agents (Chelating Agents)	70, 78
Service Products, Agricultural	37
SERVICISED® Construction Products	62, 74
Set Retarding Additives	62
SEXTOL* Methylcyclohexyl Alcohol	49
Sheep Feeds	39
Sheet Metal Stamping Emulsions (Drawing Emulsions)	63, 99
Sheet, Vinyl, Supported and Unsupported	52, 76, 102
See also Vinyl Products	
Shims, Battery (Battery Separators)	61, 74, 97
Shoe Products	65, 75
Shoe Sole Reinforcing Resins (DAREX Copolymer Resins)	66, 78, 98
Shortening	94, 109

	PAGE
Shrimp and Shellfish	110
Shrinking Bags, Films and Pouches (Flexible Packaging)	42, 44, 77, 103
Shrink Tunnels, Flexible Packaging (Equipment)	42, 77, 99
Side Seam Cements, Containers	64, 103
Silica Products	
Alumina Silica Cracking Catalysts (Petroleum Catalysts)	54
Magnesia Silica Cracking Catalysts (Petroleum Catalysts)	54
Micron-Sized Silicas (SYLOID)	55, 78
Packaging Desiccants	54, 78
Silica Gel	54, 78
See also Desiccants and Adsorbents	
Silicofluorides	40
Ammonium Silicofluoride	
Magnesium Silicofluoride	
Zinc Silicofluoride	
Silicone High-Temperature Paints	87
Skin Creams, Protective, Antiseptic	78, 83, 88
SKLEEN® General Purpose Detergent	88
SLIDE-SHO® Vinyl Photographic Storage File Sheets	50
SLIDE-STORE® Vinyl Photographic Storage File Sheets	50
Slip-Resistant Surfacers (Floor Materials)	62, 74, 99
Sludge Conditioners (Boiler Water Treatments)	79, 87
Sludge Remover, Diesel Engine (Cleaners)	87
Slurry Fertilizers	40
SLURRY-MIX® Semi-Liquid Fertilizers	40
SM-30® Silica-Magnesia Fluid Cracking Catalyst (Petroleum Catalysts)	54
Smog Control Catalysts (Industrial Catalysts)	54, 78
Snacks	109, 110
SNOWFLAKE® Wax	52
Soap Manufacturing Water Softening Agents (Chelating Agents)	70, 78
Soaps	
Antiseptic Surgical	79, 83, 88
Industrial—See Cleaners	
Liquid Surgical	79, 88
Lubricating (Rubber Processing)	79, 84
SODASORB® Absorbent and Catalyst (Gas Absorbents)	65, 78, 99
Carbon Dioxide Absorbent (Gas Absorbents)	65, 78, 99
Soda Lime (Gas Absorbents)	65, 78, 99
Sodium Diuranate (Nuclear Materials)	81
Sodium Glucoheptonate (Chelating Agents)	70, 78
Soft Drinks	107

	PAGE
SOF-TISSUE® Draping Sheets	89
Soil Conditioner (Vermiculite)	69
SOKE® Electrolytic Cleaner	79, 83
Soldering Crystals	64, 76
Soldering Fluxes—See Liquid Fluxes, Solvents and Drawing Compounds	
Solders, Organic	64, 76
Sole Reinforcing Resins (DAREX Copolymer Resins)	66, 78, 98
SOLVAWAX® Wax	52
Solvent Cleaners (Transportation)	79, 85
Solvents	
Acetone	47
Agricultural Solvents	92
Alcohols—Alphabetically Indexed	
Aliphatic Solvents (Solvents)	52
Aromatic Solvents (Solvents)	52, 97
Chlorinated Solvents	52
Industrial Solvents (Ethyl Alcohol)	48, 99
Metal Degreasing Solvents (Transportation)	79, 85
Mineral Spirits	49
Oxygenated Solvents	52
Paint and Lacquer Thinners— See Paint Chemicals and Ingredients	
Sealing Compound Dispersing Solvents—See Container Products	
Transportation Equipment Cleaners	79, 85, 87
Sorbitol, Non-Crystallizing (Polyglycols)	51
Sorghum Seed	39
Sound Deadening Insulation and Materials	68
(Automotive Products)	74
Sounding Balloons	65, 80, 97
Soybean Oil, Epoxidized (Epoxidized Oils)	48
SPANEX® Polystyrene Molded Foam Board Insulation	68
Specialty Papers	61
Specialty Plastic Products	50
SPEL BINDERS® Presentation Binders	50
Sphere Coatings, NB, W, Graphite and Other Metals (Nuclear Materials)	81
Sponge Rubber Joint Filler, Premolded	62, 75
SPRA-INSULATION® Spray Insulation for Metal Building Interiors (Vermiculite)	69
SPRA-JEL® Cleaner	85
Spray Booth Coatings (Metal-Working)	79, 84
SPRAY-TEX® Wall and Ceiling Texturing Material (Vermiculite)	69
SPREX® Food Plant and Industrial Cleaners	79, 83
SPREX A. C.® Food Plant and Industrial Cleaners	79, 83

	PAGE
Sprinkles, Chocolate (Vermiculite)	107
SRDA® Cement Grinding Aid	62, 94
S-S® Semi-Synthetic Fluid Cracking Catalyst (Petroleum Catalyst)	54
STABIFIX® Beer Stabilizer	55
STAINGUARD® Tinted Silicone Dampproofers (Waterproofing and Roofing Materials)	62, 75, 104
STAPHENE® Detergent Germicide	79, 88
START-RITE® Fertilizer, Water Soluble	40
STAYBRITE® Integral Masonry Colorant	62
S-TDA® Cement Grinding Aid	62, 94
Steam Cleaners (Metal-Working)	79, 84
(Transportation)	79, 85
Stearic Acid	103
STICKTITE® Printing Plate Adhesives	67
Stock Lubricant, Rubber Anti-Adhesive (Rubber Processing)	79, 84
STOP-PIT® Corrosion Inhibitor (Boiler Water Treatment)	87
STRETCH-EZE® Plastic Examination Gloves	89
STIK-EESE® Photographic Mounting Corners	50
STRYP® Paint Remover	79, 84
STRYP-AWAY® Paint Remover	79, 84
STYLE® Floor Finish	88
Styrene-Butadiene Copolymer Emulsions (DAREX Coating Emulsions)	66
Styrene-Butadiene Copolymer Latexes (DAREX Carpet and Textile Latexes)	66
Styrene-Butadiene Rubber Reinforcing Resin (DAREX Copolymer Resins)	66, 78, 98
SUDS® Washing Compound	79, 83
Sugar, Raw and Refined	94
Sulfates	
Aluminum Sulfate	37
Ammonium Sulfate	37
Cerium Sulfate (Rare Earths)	54
Nickel Sulfate	54
Thorium Sulfate (Nuclear Materials)	81
Uranyl Sulfate (Nuclear Materials)	81
Sulfite Paper	96
Sulfur, Dusting	40
Sulfuric Acids, Various Grades	40
SUPER-BONDSIT® Masonry Bonding Agent (Adhesives and Bonding Agents)	62, 74, 96
SUPER DI-CO® Lime Desealing Compound	84
SUPER FAST® Polishing Compound (Rare Earths)	54

	PAGE
SUPER-FILMEEN® Return Line Corrosion Inhibitors	79, 87
SUPER-KLOR® Food Plant Detergent	79, 83
SUPER-MUL® Emulsion Cleaner	83
Superphosphate, Run of Pile (or Powdered) and Granulated	40
Superphosphate, Single and Triple	40
SUPER-SAF® Baker Pan Cleaner (Food Manufacturing-Processing)	79, 83
SUPER-STRYP® Paint Stripper	79, 84
Supplements, Animal Feed	37, 39, 40
Supports, Catalyst (Mullite Pellets)	54
Supports, Concrete, Reinforcement Steel (Specialty Products)	62, 74, 103
SUPRA-MIX® Cocoa Powder	107
SUR-DET® Antiseptic Surgical Detergent	88
Surface Active Agents—See Surfactants	
Surface Coating Emulsions (DAREX Coating Emulsions)	66
Surface Preparation Aids Cleaners—Alphabetically Indexed Coatings—Alphabetically Indexed Primers—Alphabetically Indexed Solvents—Alphabetically Indexed Waterproofing Materials—Alphabetically Indexed	
Surfacing Materials, Bridge and Deck (Bridge Products)	62, 75
Surfactants Agricultural Surfactant Cleaners and Detergents Cocyl Sarcosine Acid and Salt Lauroyl Sarcosine Acid and Salt Oleoyl Sarcosine Acid Sarcosinates Sarcosine	37 79, 83, 84, 85 70 70 70 70 70
Surgical Soap, Antiseptic	79, 83, 88
Surgical Soap, Liquid	79, 83, 88
SWFDROP® Cotton Defoliant	38
SWFDRY® Cotton Defoliants	38
SWFGOLD® Insecticide Blend Additive	39
SWFKILL® Insecticides (Pesticides)	39
SWFSPREAD® Agricultural Surfactant	37
Swimming Pool Paint (Technical Coatings)	62, 75, 103
Swine Feeds	40
SYLOID® Micron-Sized Silicas	55, 78
SYLOX® Medicinal Body Powder	54, 78
SYMENTREX® Masonry Color Coating	62, 74, 103
Synthetic Jet Engine Lubricants	49
Synthetic Petroleum Cracking Catalysts	54

	PAGE
Synthetic Rubber Sealing Compounds—See Container Sealing Compounds	
Synthetic Waxes	52
SYNTHOX® Printing Rollers	67
Syrups	110
T	
T-743 FLT® Paper Mill Felt Cleaner	79, 84
Table Covers, Vinyl	52, 102
Tags, Clothing, Base Stock (Tape and Specialty Backings)	62, 75, 103
TANTONE® Printing Rollers	67
Tape and Specialty Backings Backings, Pressure Sensitive Tape, Backings, Waterproof Sandpaper, Tags, Clothing, Base Stock	62, 75, 96, 103
Tape, Electrical Wire Identification (Polyethylene—High Density)	43
Tape, Industrial	80, 96
TART® Acid Cleaning Compound	84
TDA® Cement Grinding Aid	62
Tea	107
Technical Coatings	62, 75, 103
TEL-TALE® Indicating Desiccants (Packaging Desiccants)	54, 78
TEMP® Cream Abrasive Cleaner	83
Terbium Oxide (Rare Earths)	54
TERJ® Industrial Cleaner	84
TERRA® Peanuts, Salted	107
TERRA-GRO® Vermiculite Soil Conditioner	69
TERRA-LAWN® Top Dressing for Golf Greens	69
TERRA-LITE® Products Lawn and Garden Soil (Vermiculite) Plant Aid (Vermiculite) Potting Soil (Vermiculite) Seed Starter (Vermiculite) Soil Conditioner (Vermiculite)	69 69 69 69 69
Textile Auxiliaries	103
Textile Backing Latices (DAREX Carpet and Textile Latices)	66
Textile Finishing Emulsions (DAREX Coating Emulsions)	66
Textile Finishing Equipment	67, 79, 103
Textile Print Blanket Washers and Dryers (Textile Finishing Equipment)	67, 79, 103
Textile Printing Blankets	67, 79, 103
Textile Processing Water Softening Agents (Chelating Agents)	70, 78
Textiles, Cotton	104
Canvas	104
Texture Finishes, Wall and Ceiling	69

	PAGE
Thermal Insulation Materials	68, 69
Thermoplastic Cement, Can Side Seam (Organic Solders)	64, 76
Thermoplastic Coatings	64, 76, 104
Thickener, Thixotropic	54
Thinner, Paint and Lacquer	104
THIOPOXY® Deck Tread System Epoxy Surfacing System (Floor Materials)	62, 74, 99
THIOPOXY® 60 Modified Epoxy Topping for Concrete (Floor Materials)	62, 74, 99
THIOPOXY® 61 Corrosion-Resistant Coating (Technical Coatings)	62, 75
THIOPOXY® 62 Masonry Adhesive (Adhesives and Bonding Agents)	62, 74, 96
THIOPOXY® 63 Epoxy Polysulfide Grout (Floor Materials)	62, 74, 99
Thorium Compounds—See Nuclear Fuel Materials and Rare Earths	
THOROUGHNBRED® Fertilizer, Granulated (Mixed Fertilizers)	38
Thorium Oxide (Rare Earths)	54
THUR-MA-LOX® Maintenance Coatings	87
Tile, Floor	99
Tile Reinforcing Resins, Floor (DAREX Copolymer Resins)	66, 78, 98
Tin	95
Tin Soldering Flux (Liquid Fluxes)	64
TIOTM Tri-iso-octyl Trimellitate (Plasticizers, Trimellitates)	51
Tissue Papers	96
Titanium Dioxide	52
T-KAL® Additive for Bottle Washing	79, 84
TNODTM Tri-n-octyl n-decyl Trimellitate (Plasticizers, Trimellitates)	51
Tomato Products	94
Tongue and Groove Joint, Concrete Joint Former	62, 75
Tool Coatings, Thermoplastic—See Construction Materials	
Topping Compounds (Floor Materials)	62, 74, 99
TOTM Tri-2-ethylhexyl Trimellitate (Plasticizers, Trimellitates)	51
TOTM Tri-octyl Trimellitates (Plasticizers, Trimellitates)	51
Towels, Industrial	89
Toys, Plastic	104
TRAFFIX® Traffic and Zone Paint (Technical Coatings)	62, 75, 103
TRANS-IRON® Feed Grade Ferrous Fumarates	37
TRANSIT-KLEEN® Industrial and Automotive Cleaner	85

	PAGE
Transportation Equipment	
Cleaners	47, 85, 87
Trays, Plastic	42, 77, 101
TREADSURE® Slip-Resistant Coatings (Floor Materials)	62, 74
TREAMIES® Concrete Handling Accessory (Specialty Products)	62, 74, 99
TRETOCONE CLEAR® Silicone Water Repellent (Specialty Products)	62, 75
TRETOP® Concrete Hardener (Specialty Products)	62, 74, 99
TRETOSCREED® Topping Adhesive	62, 75
TRETOSKALE® Exposed Aggregate Retarder (Specialty Products)	62, 74, 99
TRETOSURF® Concrete Colorant and Hardeners	62, 75
TREX® Acid Cleaner	84
Triacetin Plasticizer	101
Triethylene Glycol Caprylate-Caprate (Plasticizers, Esters, Aliphatic)	50
Triethylene Glycol Dicaprate (Plasticizers, Esters, Aliphatic)	50
Tri-2-ethylhexyl Trimellitate (Plasticizers, Trimellitates)	51
Tri-iso-octyl Trimellitate (Plasticizers, Trimellitates)	51
Trimellitates, Plasticizers	51
Tri-n-octyl n-decyl Trimellitate (Plasticizers, Trimellitates)	51
Tri-octyl Trimellitate (Plasticizers, Trimellitates)	51
TRIPLEFLEX® Membrane Fabric (Waterproofing and Roofing Materials)	62, 75, 104
Triple Superphosphate	40
Triuranium Octoxide-U ₃ O ₈ (Nuclear Materials)	81
Tube Coatings, Collapsible (Thermoplastic Coatings)	64, 76, 104
Tubes, Collapsible Plastic	101
TUFFLEX® Sewer Joint Sealer	62, 75
Tuftings, Rug and Carpet	43
Tungsten	95
Turf Seeds	39
TYPOCRAFT® Printing Rollers	67

U

Underbody Coatings	74, 104
Undercoat Shield	87
Underlay, Wood Floor (Floor Materials)	62, 74, 99
Unirradiated Scrap Recovery (Nuclear Fuel Materials)	81

	PAGE
Uranium Compounds (Nuclear Materials)	81
Urea	40
Urea-Formaldehyde Resin	104
Urea Solutions	40

V

"V" Film—PVC Box Overwrapping	77
VPD® Visible-Protected Displays	50
VAC-EZE® Floor Cleaner	83
Vacuum Sealing Equipment (Flexible Packaging Equipment)	42, 77, 99
VANTA® Cocoa Powder	107
Varnishes	104
Vegetable Seeds	39
Vehicle Washing Products (Transportation)	79, 85
VERA-SMOOTH®, VERA-SOFT®, Examination Table Paper Rolls	89
VERATEX® Professional Disposable Products	89
Vermicelli	107
Vermiculite Ore	69
Vermiculite Products and Insulating Materials	69
VERSAPRINT® Textile Blankets For Roller Printing Equipment	67
VERTISEAL® Construction Sealants (Joint Sealing Compounds)	62, 75
Vexite Exfoliated Hydrobiotite	69
VESCO SEAL® Wood Floor Seal	88
VES-COTE® Floor Finish	88
VESPHENE® Germicidal Detergent	88
VESTA-GLOSS® Floor Finish	88
VESTAL® Laboratories Products	88
VESTA-SOL® Liquid Surgical Soap	88
VH #36—Cocoa/Chocolate Combinations	107
VH #300—Cocoa/Chocolate Combinations	107
VIBRIN® Molding Compounds	49
VIBRIN-MAT® Molding Compounds	49
VIBRIN-MIX® Molding Compounds	49
VIBRO FOIL® Non-Shrink Grout (Floor Materials)	62, 74, 99

Vinyl Products

VINALON® Vinyl Fabric	52
Vinyl Acetate Copolymer Emulsions (DAREX Coating Emulsions)	66
(EVERFLEX Paint Emulsions)	66, 101
Vinyl Acetate Homopolymer Emulsions (DARATK Adhesive Emulsions)	65, 96
Vinyl Coated Paper	96

	PAGE
Vinyl Products (cont'd)	
Vinyl Compounds	52
Vinyl Fabrics (Vinyl Film, Supported)	52, 76, 102
Vinyl Film and Sheet, Supported and Unsupported	52, 76, 102
Vinyl Film, Rigid	52, 76, 102
Vinyl Floor Tile	99
Vinyl Foam (Latex Foam)	99
VIRGOSAN® Cotton Seed	39
VISI-BELLE® Transparent Report Covers	50
VITAL® Fertilizer	38
VITRIFLEX® Sewer Joint Sealer	62, 75
VITROX-C® Polishing Compound (Rare Earths)	54
Vodka	94
"VPM" Polyvinyl Chloride Film Produce Packaging	77
VULCAFLEX® Masonry Coating (Technical Coatings)	62, 75, 103
VULCATEX® Caulking Compound	62, 74
VYLENE® By Elm, Calendered Polyvinyl Chloride Film (Vinyl Film, Unsupported)	52

W

Wall and Ceiling Texture Finish (Vermiculite)	69
Wallboard Fireproofing Additive (Perlite) (Vermiculite)	68, 69
Wall Coverings, Vinyl	52, 76, 102
Wall Insulation	
Glass Fiber Insulation	68
Polystyrene Molded Foam Board	68
Vermiculite	69
Washers, Textile Print Blanket (Textile Finishing Equipment)	67, 79, 103
Wash Primer	104
Washroom Supplies (Hand Towels, Drinking Cups)	89
Water Fluoridation (Hydrofluosilicic Acid)	38
WATERFOIL® Masonry Coating (Waterproofing and Roofing Materials)	62, 75
Waterproof Canvas	104
Waterproofing and Roofing Materials	62, 75, 104
Water Reducing Admixtures, Concrete and Mortar	61, 74, 104
Water Removal Products— See Desiccants and Adsorbents	
Water Repellent, Concrete (Densifiers and Water Repellents)	61, 74, 98

	PAGE
Water Repellent Insulation	68
Water Soluble Fertilizers	37
Waterstops	62, 75
Water Treatments	
Algicides (Biocides)	79, 87
Alum (Aluminum Sulfate)	37
Anti-Foam Treatments (Boiler Water Treatments)	79, 87
Anti-Foulants (Cooling Water Treatments)	79, 87
Biocide/Bactericides	79, 87
Boiler Water Treatments	79, 84, 87
Chelating Agents	70, 78
Cooling Water Treatments	79, 84, 87
Corrosion Inhibitors (Boiler Water Treatments)	79, 87
(Cooling Water Treatments)	79, 87
(Return Line Treatments)	79, 87
Deposit Inhibitors (Boiler Water Treatments)	79, 87
(Cooling Water Treatments)	79, 87
(Return Line Treatments)	79, 87
Dispersants (Boiler Water Treatments)	79, 87
(Cooling Water Treatments)	79, 87
(Hydrofluosilicic Acid)	38
Oxygen Scavengers (Boiler Water Treatments)	79, 87
Return Line Treatments	79, 87
Scale Inhibitors	70, 79, 87
Silicofluorides	40
Sludge Conditioners (Boiler Water Treatments)	79, 87
WAX-AWAY® Floor Wax Remover	83
Wax-Coated Boxes (Folding Boxes)	95
Wax Emulsion—See Leather Chemicals	
Waxes, Natural and Synthetic	
Beeswax	48
Candelilla	48
Carnauba	48
Ceresine	48
EMULSOWAX	48
Japan Wax	49
Montan Wax	50
Ouricury	50
Ozokerite	50
Synthetic Waxes	52
Wax Removers (Floor Treatment Materials)	79, 83, 88
Weather Balloons	64, 80, 97
Weed Killers (Pesticides)	39, 93

	PAGE
Wetting Agents, Container	64, 104
Wetting Agents, Battery Separator	61
WGA-2® Cement Grinding Aid	62
WHITNEY® Lawn Seeds	39
WILSON® Soda Lime Carbon Dioxide Absorbent (Gas Absorbents)	65, 78, 99
Wire, Resistance	95
Wolfram (Tungsten)	95
WONDER-GRO® Granulated Fertilizer	38
Wood Fillers and Finishers—See Lacquers	
Wood Lacquers	104
Woven Fabric, Polypropylene (DAWBAC)	43
WRAP KOTE® Packaging	44
Wrapping Paper (Kraft Paper)	90
WRDA® Water-Reducing Admixture for Concrete	61, 74

X

X-1591® (Packaging Desiccants)	54
X-CAT® Automotive Exhaust Catalysts (Industrial Catalysts)	54
X-OX® Polishing Compound (Rare Earths)	54
X-PAL® Polishing Compound (Rare Earths)	54
XZ-15* Zeolite Fluid Cracking Catalyst (Petroleum Catalysts)	54
XZ-25* Zeolite Fluid Cracking Catalyst (Petroleum Catalysts)	54
XZ-25 PLUS* Zeolite Fluid Cracking Catalyst (Petroleum Catalysts)	54
XZ-36* Zeolite Fluid Cracking Catalyst (Petroleum Cracking Catalysts)	54

Y

YARN 71®, Polypropylene Ribbons (DAWBAC)	43
Yarns, Polypropylene (Polypropylene)	43
Yarns, Shrinker M.O. (Polyethylene— Low and Medium Density)	43
YIELD-MOR® Examination Table Paper Rolls	89
Ytterbium Oxide (Rare Earths)	54
Yttrium Oxide (Rare Earths)	54

Z

	PAGE
Zeolite Containing Catalysts (Petroleum Catalysts)	54
ZEPHYROID® Floor Cleaner	83
Zinc Silicofluoride (Silicofluorides)	40
ZINK-ON® Zinc Phosphating Compound	83
ZIP-IT® Spray Booth Masking Compound	84
ZOLV® Safety Solvent	84
ZONATILE® Vermiculite Concrete Precast Roof Slabs	69
ZONOLITE® Products	69
Acoustical Plaster	
Acoustical Plastic Coating	
Attic Fill—For Insulation Between Attic Joint Spaces	
Cold Storage Insulation	
Concrete Aggregate	
Farm Building Insulation	
Flotation Billets	
High Temperature Insulation	
Industrial Insulation	
Laminates	
Loose Fill Insulation	
Masonry Fill Insulation	
MBI Metal Building Insulation	
MONASTITE Cementitious Masonry Coating	62
MONO-KOTE Fireproofing	
NOISE-GUARD Sound Conditioning for Walls, Floors and Ceilings	
Perimeter Insulation	
Plaster Aggregate	
SPRA-INSULATION Insulating and Acoustical Material for Spray Application	
SPRAY-TEX Wall and Ceiling Texturing Material	
SUPER-BOARD Polystyrene Molded Foam Board Insulation	
Numerical Entries	
"4x4"® Animal and Poultry Feeds	39
610 Phthalate	51
610 Adipate	50
788® Alfalfa (Seeds)	39
810 Adipate	50
810 Phthalate	51
988® Red Clover (Seeds)	39
45-11® Floor Cleaning Compound (Floor Materials)	62, 74, 99

GRACE

Operating Units

Manufactures and markets five major product lines — fertilizers, pesticides, feed, seed and animal insemination products. Fertilizers include NPK, mixed fertilizers chemically combined or bulk blended in granular, liquid or slurry form; phosphate products — diammonium and monammonium phosphate, single and triple superphosphate, sulfuric acid, phosphoric acid and phosphate rock; nitrogen products — anhydrous ammonia, prilled urea, nitrogen solutions, ammonium sulfate, calcium ammonium nitrate, aqua ammonia and urea solutions. Related products include specialty fertilizers, agricultural chemicals, feed supplements, premixes, animal health products, seed corn, pasture, turf and vegetable seeds and progeny proved semen for dairy and beef cattle.

Headquarters Office

7 Hanover Square
New York, New York 10005
(212) 344-1200

● Plants
AUSTRALIA

1 Cresco Fertilizers Ltd.
2-6 Elder Road
Birkenhead, Adelaide
Tel. 49-6184

2 Cresco Fertilizers Ltd.
2-6 Railway Parade
Bayswater (Perth) W. A.
Tel. 791-661

3 Cresco Fertilizers Ltd.
Cortio Quay
North Geelong, Victoria
Tel. 7-2901

4 Cresco Fertilizers Ltd.
Berran Terrace
Port Lincoln, S. A.
Tel. 965

5 Cresco Fertilizers Ltd.
Government Road
Wallaroo, S. A.
Tel. 120

FRANCE

6 Societe Atlantique d'Engrais
Chimiques
Boite Postale n° 160
Bayonne (B.P.)
Tel. 25-39-57

PUERTO RICO

7 Caribe Nitrogen Corporation
P.O. Box 52
Guanica
Tel. Guanica 821-3200

8 Ochoa Fertilizer Co., Inc.
Guanica

TRINIDAD

9 Federation Chemicals Limited
Point Lisas, Savonetta
Couva, c/o P.O. Box 952
Port-of-Spain
Tel. San Fernando 4154

UNITED STATES

10 COLORADO, Lucerne (80646)
Farr Better Feeds
P. O. Box 52
(303) 352-3260

11 FLORIDA, Bartow (33830)
P. O. Box 471
(813) 533-2171

12 FLORIDA, Fort Pierce (33450)
P. O. Box 36
(305) 461-7020

13 FLORIDA, Tampa (33601)
P. O. Box 310
(813) 248-3101

14 GEORGIA, Perry (31069)
P-A-G
P. O. Box 284
(912) 987-1473

15 IDAHO, Caldwell (83605)
Rudy Patrick
Paynter & Aven Sts.
(208) 459-9041

16 IDAHO, Nampa (83651)
Rudy Patrick
908 Front Street
(208) 466-9218

17 IDAHO, Twin Falls (83301)
Rudy Patrick
202 Fourth Avenue South
(208) 733-8055

18 ILLINOIS, Astoria (61501)
P-A-G
R. R. #2
(309) 759-4256

19 ILLINOIS, Camargo (61919)
P-A-G
(217) 832-8141

20 ILLINOIS, Congerville (61729)
P-A-G
(309) 448-2231

21 ILLINOIS, DeKalb (60115)
DeKalb
220 North Seventh Street
(815) 756-6317

22 ILLINOIS, Dimmick (61301)
Rt. 2, LaSalle
(815) 224-1520

23 ILLINOIS, Henry (61537)
P. O. Box 167
(309) 364-2361

24 ILLINOIS, Lovington (61937)
P. O. Box 285
(217) 873-4470

25 ILLINOIS, Meredosia (62665)
P. O. Box 15
(217) 584-4211

26 ILLINOIS, Monmouth (61462)
P. O. Box 405
(309) 734-5112

27 ILLINOIS, Mount Vernon
(62864)
Rudy Patrick
10th & Casey Streets
P. O. Box 783
(618) 244-0127

● Plants (continued)

- 28 ILLINOIS, Murphysboro (62966)
P. O. Box 444
(618) 684-2133
- 29 ILLINOIS, Naperville (60540)
P-A-G
P. O. Box 151
(312) 355-1054
- 30 ILLINOIS, Princeton (61356)
Rudy Patrick
R. R. #1
P. O. Box 404
(815) 872-1612
- 31 ILLINOIS, Rochelle (61068)
P-A-G
(815) 562-4919
- 32 ILLINOIS, Rock Falls (61071)
De Kalb
105 Dixon Avenue
(815) 625-4546
- 33 ILLINOIS, Walnut (61376)
P-A-G
(815) 379-2101
- 34 INDIANA, Carmel (46032)
Rudy Patrick
P. O. Box 368
(317) 846-2527
- 35 INDIANA, Campbellsburg (47108)
P. O. Box 22
(812) 679-2801
- 36 INDIANA, Armstrong (47712)
R. R. #7, Evansville
(812) 963-3428
- 37 INDIANA, Chandler (47610)
R. R. #2-State Rd. 62W
(812) 925-6413
- 38 INDIANA, Ft. Branch (47533)
400 S. McCreary St.
(812) 753-4291
- 39 INDIANA, Scottsburg (47170)
R. R. #3
(812) 752-4951
- 40 INDIANA, Fillmore (46128)
(317) 246-6126
- 41 INDIANA, Crawfordsville (47933)
Blue River Feeds
1201 East Main St.
(317) 362-0594
- 42 INDIANA, Edinburg (46124)
Blue River Feeds
Shelby and Center Cross Sts.
(812) 526-5507
- 43 INDIANA, Fritchton (47591)
Blue River Feeds
P. O. Box 183, Vincennes
(812) 726-2482
- 44 INDIANA, Hillsboro (47949)
Blue River Feeds
P. O. Box 74
(317) 798-3792
- 45 INDIANA, Logansport (40947)
Blue River Feeds
State Road 35 South
(219) 753-6279
- 46 INDIANA, New Albany (47150)
Grant Line Road
P. O. Box 350
(812) 945-6671
- 47 IOWA, Ames (50010)
Walnut Grove Products
P. O. Box 825
(595) 232-4111
- 48 IOWA, Atlantic (50022)
Walnut Grove Products
201 Linn Street
(712) 243-1030
- 49 IOWA, Cherokee (51012)
Walnut Grove Products
Box 442
(712) 225-2508
- 50 IOWA, Exira (50076)
Walnut Grove Products
P. O. Box 248
(712) 268-5566
- 51 IOWA, Fonda (50540)
Walnut Grove Products
Box D
(712) 288-4428
- 52 IOWA, Grinnell (50112)
Rudy Patrick
829 Spring Street, P. O. Box 148
(515) 236-5379
- 53 IOWA, Independence (50644)
Walnut Grove Products
Box 367
(319) DE 4-2505
- 54 IOWA, Monroe (50170)
P-A-G
(515) 259-2131
- 55 IOWA, Perry (50220)
P. O. Box 308
(515) 465-3516
- 56 IOWA, Sac City (50583)
P-A-G
(712) 662-4455
- 57 IOWA, Shell Rock (50670)
Walnut Grove Products
Box 10
(319) 885-6208
- 58 IOWA, Sioux City (51102)
Rudy Patrick
21st and Clark Sts., P.O. Box 844
(712) 255-4270
- 59 IOWA, Webster (52355)
Walnut Grove Products
P. O. Box 85
(319) 667-5411
- 60 IOWA, West Liberty (52776)
Walnut Grove Products
Box 77
(319) MA 7-2121
- 61 KANSAS, Garden City (67846)
Farr Better Feeds
P. O. Box 954
(316) 276-8236
- 62 KANSAS, Hutchinson (67501)
Rudy Patrick
Jefferson & D Sts., P.O. Box 568
(316) 663-4469
- 63 KENTUCKY, Franklin (42134)
P-A-G
Route #3
(502) 586-4401
- 64 KENTUCKY, Hopkinsville (42240)
P. O. Box 507
(502) 886-1247
- 65 MARYLAND, Baltimore (21226)
Curtis Bay Plant
(301) 355-4900
- 66 MARYLAND, Baltimore (21226)
Hill Plant
(301) 355-6161
- 67 MAINE, Searsport (04974)
Rt. 1-Kidders Point Road
(207) 548-2525
- 68 MICHIGAN, Lansing (48904)
2401 North High St.
(517) 482-0826
- 69 MISSISSIPPI, Columbus (39701)
Rudy Patrick (Sawan)
922 Fourth Street South
(601) 328-5010
- 70 MISSOURI, Carrollton (64633)
P-A-G
(816) 542-3660
- 71 MISSOURI, Joplin (64802)
P. O. Box 1406
(417) MA 4-6900
- 72 MISSOURI, Kansas City (64101)
Rudy Patrick
1212 West 8th Street
(816) 842-6830

- 73 MISSOURI, Lawson (64062)**
Rudy Patrick
624 No. Penn St., P.O. Box 281
(816) 296-3311
- 74 MISSOURI, Malden (63863)**
Airport Branch
(314) 276-4561
- 75 MISSOURI, Slater (64349)**
P. O. Box 218
Tel. 749
- 76 MISSOURI, St. Joseph (64501)**
Rudy Patrick
320 South Third
(816) 233-0296
- 77 NEBRASKA, Elkhorn (68022)**
Walnut Grove Products
91 East Railroad Avenue
(402) 289-4441
- 78 NEBRASKA, Fremont (68025)**
P-A-G
19th and Somers
(402) 721-3260
- 79 NEBRASKA, Osceola (68651)**
Walnut Grove Products
P. O. Box 216
(402) 747-5961
- 80 NEBRASKA, Norfolk (68701)**
Walnut Grove Products
P. O. Box 33
(402) 371-2290
- 81 NEW YORK, Buffalo (14211)**
Rudy Patrick (Whitney)
52 Leslie Street
(716) 896-1111
- 82 NORTH CAROLINA, Cary (27511)**
P. O. Box 357
(919) 467-2371
- 83 NORTH CAROLINA, Statesville (28677)**
P. O. Box 1163
(704) 872-6361
- 84 NORTH CAROLINA, Wilmington (28402)**
P. O. Box 368
(919) 762-5258
- 85 NORTH CAROLINA, Wilmington (28401)**
Carolina Nitrogen Corp.
P. O. Box 630
(919) 763-0171
- 86 NORTH DAKOTA, Devils Lake (58301)**
Kurda Mills
Box 890
(701) 662-4071
- 87 NORTH DAKOTA, Minot ((58701))**
Kurda Mills
P. O. Box 225
(701) 836-8211
- 88 NORTH DAKOTA, Spiritwood (58481)**
(Jamestown, N. D.)
Kurda Mills
(701) TE 6-8211
- 89 OHIO, Alliance (44601)**
Freshley Road, P.O. Box 599
(216) TA 1-3550
- 90 OHIO, Columbus (43219)**
3355 E. Fifth Ave.
(614) 235-2379
- 91 OHIO, Findlay (45840)**
E. Bigelow Ave., P.O. Box 86
(419) GA 2-5232
- 92 OREGON, Halsey (97348)**
Rudy Patrick
820 First Street
(503) 369-2251
- 93 OREGON, Harrisburg (97446)**
Rudy Patrick
5450 Bowers Road
(503) 995-6334
- 94 OREGON, Independence (97351)**
Rudy Patrick
225 E Street
(503) 838-1861
- 95 OREGON, Portland (97218)**
Miller Products
7737 N.E. Killingsworth St.
(501) 252-3491
- 96 SOUTH CAROLINA, Charleston (29402)**
P. O. Box 858
(802) 722-3321
- 97 SOUTH DAKOTA, Westport (57408)**
Kurda Mills
P. O. Box 188
(605) 225-8359
- 98 TENNESSEE, Knoxville (37919)**
Rudy Patrick
P. O. Box 10062
(615) 588-2489
- 99 TENNESSEE, Memphis (38127)**
P. O. Box 27147
(901) 357-2311
- 100 TENNESSEE, Nashville (37209)**
P. O. Box 7665
(615) 269-4536
- 101 TEXAS, Big Spring (79720)**
P. O. Box 1311
(915) 267-5218
- 102 TEXAS, Garland (75040)**
Rudy Patrick
414 Avenue A., P.O. Box 218
(214) 276-6165
- 103 TEXAS, Hereford (79045)**
Farr Better Feeds
P. O. Box 566
(806) 364-3890
- 104 TEXAS, Littlefield (79339)**
P. O. Box 787
(806) 365-4459
- 105 TEXAS, Odessa (79760)**
Southwest Fertilizer
P. O. Box 3761
(915) 337-1372
- 106 TEXAS, Plainview (79072)**
P. O. Box 1298
(806) CA 4-9281
- 107 VIRGINIA, Chesapeake (23506)**
P. O. Box 5007
(703) 545-7391
- 108 WASHINGTON, Moses Lake (98837)**
Rudy Patrick
504 Commercial Street
(509) 765-4581
- 109 WASHINGTON, Quincy (98848)**
Rudy Patrick
P. O. Box 607
6th & East Division
(509) 787-2212
- 110 WASHINGTON, Sunnyside (98944)**
Rudy Patrick
105 S. 11th St., P.O. Box 538
(509) 837-4221
- 111 WASHINGTON, Touchet (99360)**
Rudy Patrick
P.O. Box 106
(509) 394-2321

▲ Sales Offices

AUSTRALIA

- 112 Cresco W. A.**
2-6 Railway Parade
Bayswater (Perth) W. A.
Tel. 791-661
- 113 Cresco Fertilizers Ltd.**
110 North Terrace
Adelaide, S.A.
Tel. 51-3061
- 114 Cresco Fertilizers Ltd.**
38 Fenwick Street
Geelong, Victoria
Tel. 9-81-51

▲ Sales Offices (continued)

- 115** Cresco Fertilizers Ltd.
Berran Terrace
Box 352
Port Lincoln, S. A.
Tel. 965
- 116** Cresco Fertilizers Ltd.
Box 37
Wallaaroo, S A.
Tel. 120
- BERMUDA**
- 117** Federation Chemicals Limited
P.O. Box 314
Hamilton
- FRANCE**
- 118** Societe Atlantique d'Engrais
Chimiques
38 Rue de Bassano
Paris 8e
Tel. 359-05-89
- PUERTO RICO**
- 119** Caribe Nitrogen Corporation
P.O. Box 3128
G. P. O. San Juan
Tel. San Juan 776-6020
- 120** Ochoa Fertilizer Co., Inc.
Avenida Munoz Rivera, Stop 27
Hato Rey
Tel. San Juan 767-3205
- TRINIDAD**
- 121** Federation Chemicals Limited
Independence Square
P.O. Box 952
Port-of-Spain
Tel. Pos 36252
- UNITED STATES**
- 122** ALABAMA, Guntersville
(35976)
Rudy Patrick
P.O. Box 581
(205) 582-5181
- 123** ARKANSAS, North Little Rock
(72115)
Rudy Patrick
1120 Main St.
(501) 374-0301
- 124** ARKANSAS, Springdale
(72764)
Rudy Patrick
120 Graham Street
(501) 751-4437
- 125** COLORADO, Lucerne (80646)
Farr Better Feeds
P.O. Box 52
(303) 352-3260
- 126** FLORIDA, Bartow (33830)
P.O. Box 471
(813) 533-5171
- 127** FLORIDA, Fort Pierce (33451)
P. O. Box 36
(305) 461-7020
- 128** FLORIDA, Tampa (83601)
34th St. & 3rd Ave.
(813) 248-3101
- 129** GEORGIA, Atlanta (30310)
Rudy Patrick
609 Murphy Ave. S.W.
P. O. Box 10737, Station A
(404) 755-1645
- 130** GEORGIA, Pelham (30331)
Rudy Patrick
P. O. Box 188
(912) 294-4953
- 131** IDAHO, Caldwell (83605)
Rudy Patrick
Paynter & Aven Streets
(208) 459-9041
- 132** IDAHO, Fruitland (83619)
Miller Products
P. O. Box 38
(208) 452-1283
- 133** IDAHO, Nampa (83651)
Rudy Patrick
908 Front Street
(208) 466-9218
- 134** IDAHO, Twin Falls (83301)
Rudy Patrick
202 Fourth Avenue South
(208) 733-8055
- 135** ILLINOIS, Chicago (60601)
75 E. Wacker Drive
(812) 372-6424
- 136** ILLINOIS, DeKalb (60115)
DeKalb
220 North Seventh St.
(815) 756-6317
- 137** ILLINOIS, Decatur (62526)
P. O. Box 2208
(217) 877-7451
- 138** ILLINOIS, Galesburg (61401)
P. O. Box 1072
(309) 342-1148
- 139** ILLINOIS, Grand Ridge (61325)
P.A-G
(815) 249-6820
- 140** ILLINOIS, Henry (61537)
P. O. Box 167
(309) 364-2361
- 141** ILLINOIS, Mount Vernon
(62864)
Rudy Patrick
10th & Casey Sta., P. O. Box 783
(618) 244-0127
- 142** ILLINOIS, Princeton (61356)
Rudy Patrick
R. R. 1, P. O. Box 404
(815) 872-1612
- 143** ILLINOIS, Rock Falls (61071)
DeKalb
105 Dixon Avenue
(815) 625-4546
- 144** INDIANA, Carmel (46032)
Rudy Patrick
Box 368
(317) 846-2527
- 145** INDIANA, Edinburg (46124)
Blue River Feeds
Shelby & Center Cross Sta.
(812) 526-5507
- 146** INDIANA, Friction (47591)
Blue River Feeds
P. O. Box 183, Vincennes
(812) 726-2482
- 147** INDIANA, Hillsboro (47949)
Blue River Feeds
P. O. Box 74
(317) 798-3792
- 148** INDIANA, Logansport (40947)
Blue River Feeds
State Rd. 35 South
(219) 753-6279
- 149** INDIANA, New Albany (47150)
Grant Line Rd., P. O. Box 350
(812) 945-6671
- 150** INDIANA, Campbellsburg
(47108)
P. O. Box 22
(812) 679-2801
- 151** INDIANA, Armstrong (47712)
R. R. #7, Evansville
(812) 963-3428
- 152** INDIANA, Chandler (47610)
R. R. #2—State Rd. 62W
(812) 925-6413
- 153** INDIANA, Ft. Branch (47533)
400 S. McCreary St.
(812) 753-4291
- 154** INDIANA, Scottsburg (47170)
R. R. #3
(812) 752-4951
- 155** INDIANA, Fillmore (46128)
(317) 246-6126
- 156** IOWA, Atlantic (50022)
Walnut Grove Products
201 Linn Street
(712) 243-1030

- 157 IOWA, Cherokee (51012)**
Walnut Grove Products
P. O. Box 543
(712) 255-5173
- 158 IOWA, Grinnell (50112)**
Rudy Patrick
829 Spring St., P. O. Box 148
(515) 238-5379
- 159 IOWA, Iowa City (52240)**
Walnut Grove Products
P. O. Box 6308
Coralville Branch
(319) 351-2550
- 160 IOWA, Monroe (50170)**
P-A-G
(515) 259-2131
- 161 IOWA, Perry (50220)**
P. O. Box 308
(515) HO 5-3516
- 162 IOWA, Sioux City (51102)**
Rudy Patrick
21st & Clark, P. O. Box 844
(712) 255-4270
- 163 IOWA, Waverly (50677)**
Walnut Grove Products
P. O. Box 615
(319) 352-2515
- 164 IOWA, Waverly (50677)**
P-A-G
Box 665
(319) 352-1020
- 165 KANSAS, Garden City (67846)**
Farr Better Feeds
P. O. Box 954
(316) 276-8236
- 166 KANSAS, Hutchinson (67501)**
Rudy Patrick
Jefferson & D Sta.
P. O. Box 568
(316) 663-4469
- 167 KANSAS, Wichita (67218)**
P. O. Box 4045
(316) 838-4239
- 168 KENTUCKY, Franklin (42134)**
P-A-G
Route 3
(502) 586-4401
- 169 KENTUCKY, Irvington (40146)**
P. O. Box 362
(502) 547-4171
- 170 KENTUCKY, Owensboro (42301)**
1425 E. 12th St.
P. O. Box 1503
(502) 683-6938
- 171 MAINE, Searsport (04974)**
Rt. 1, Kidders Point Road
(207) 548-2525
- 172 MARYLAND, Baltimore (21203)**
(21226)
Hill Plant
(301) 355-6161
- 173 MARYLAND, Baltimore**
101 North Charles Street
(301) 727-3900
- 174 MICHIGAN, Lansing (48904)**
2401 North High Street
(517) 482-0826
- 175 MINNESOTA, Marshall (56258)**
Walnut Grove Products
P. O. Box 636
(507) 532-2249
- 176 MISSOURI, Cameron (64429)**
P. O. Box 13
(816) 632-7261
- 177 MISSOURI, Carrollton (64633)**
19th and Sommers
(816) 542-0540
- 178 MISSISSIPPI, Columbus (39701)**
Rudy Patrick (Sawan)
920 Fourth St. South
(601) 328-5010
- 179 MISSOURI, Corder (64021)**
(816) 394-4931
- 180 MISSOURI, Houstonia (65333)**
(816) 568-3431
- 181 MISSOURI, Jefferson City (65101)**
Rudy Patrick
1011 West Miller Street
(314) 636-3309
- 182 MISSOURI, Joplin (64802)**
P. O. Box 1406
(417) MA 4-6900
- 183 MISSOURI, Kansas City (64101)**
Rudy Patrick
1212 West 8th Street
(816) 842-6830
- 184 MISSOURI, Malta Bend (65339)**
(816) 595-2280
- 185 MISSOURI, Maryville (64468)**
P. O. Box 36
(816) 582-3854
- 186 MISSOURI, St. Joseph (64501)**
Rudy Patrick
320 South Third St.
(816) 233-0296
- 187 MISSOURI, St. Louis (63105)**
7701 Forsythe Boulevard
(314) 863-9500
- 188 MISSOURI, Trenton (64683)**
P. O. Box 220
(816) 359-3316
- 189 MISSOURI, Triplett (65286)**
(816) 634-2731
- 190 MISSOURI, Waverly (64096)**
P. O. Box 132
(816) 493-2500
- 191 NEBRASKA, Fremont (68025)**
P-A-G
19th & Somers
(402) 721-3260
- 192 NEBRASKA, Norfolk (68701)**
Walnut Grove Products
P. O. Box 976
(402) 371-5582
- 193 NEBRASKA, York (68467)**
Walnut Grove Products
118 West 8th Street
(402) 362-4466
- 194 NEW YORK, Buffalo (14210)**
Rudy Patrick
(Craver Dickinson)
567 Exchange Street
(716) 852-4356
- 195 NEW YORK, Buffalo (14211)**
Rudy Patrick (Whitney)
52 Leslie Street
(716) 896-1111
- 196 NORTH CAROLINA, Cary (27511)**
P. O. Box 357
(919) 467-2371
- 197 NORTH CAROLINA, Charlotte (28201)**
Rudy Patrick
P. O. Box 10603
(704) 333-0196
- 198 NORTH CAROLINA, Raleigh (27602)**
P. O. Box 68
(919) 834-3131

- ▲ Sales Offices (continued)**
- 199 NORTH CAROLINA,**
Statesville (28677)
P. O. Box 1163
(704) 872-6361
- 200 NORTH CAROLINA,**
Wilmington (28401)
Carolina Nitrogen Corp.
Wachovia Bank & Trust Bldg.
(919) 763-0171
- 201 NORTH CAROLINA,**
Wilmington (28402)
P. O. Box 368
(919) 762-5258
- 202 OHIO, Bowling Green (43402)**
P-A-G
P. O. Box 176
241 North Main Street
(419) 362-5208
- 203 OHIO, Columbus (43216)**
1465 East 17th Avenue
(614) 294-4413
- 204 OKLAHOMA, Chickasha**
(73018)
102 N. First St.
(405) 224-4273
- 205 OKLAHOMA, Muskogee**
(74401)
P. O. Box 456
(918) 683-1022
- 206 OKLAHOMA, Tulsa (74107)**
P. O. Box 9416
(918) 446-9254
- 207 OREGON, Corvallis (97330)**
Rudy Patrick
5225 Hoyt Street
(503) 752-7804
- 208 OREGON, Halsey (97348)**
Rudy Patrick
820 First Street
(503) 369-2251
- 209 OREGON, Harrisburg (97446)**
Rudy Patrick
5450 Bowers Road
(503) 995-6334
- 210 OREGON, Hopmere (97305)**
Rudy Patrick
Route 1, Box 8R
(503) 363-4938
- 211 OREGON, Independence**
(97351)
Rudy Patrick
225 E Street
(503) 838-1861
- 212 OREGON, Medford (97501)**
Miller Products
P. O. Box 253
(503) 779-1735
- 213 OREGON, Monroe (97456)**
Rudy Patrick
(503) 847-3231
- 214 OREGON, Plainview (97377)**
Rudy Patrick
R. 1, Shedd
(503) 258-5820
- 215 OREGON, Portland (97218)**
Miller Products
7737 N.E. Killingsworth
(503) 252-3491
- 216 OREGON, Roseburg (97470)**
Rudy Patrick
P. O. Box 1082
(503) 672-4961
- 217 OREGON, Shaw (97325)**
Rudy Patrick
R. 1, P. O. Box 468, Aumsville
(503) 364-8951
- 218 SOUTH CAROLINA,**
Charleston (29402)
P. O. Box 858
(803) 722-3321
- 219 TENNESSEE, Knoxville**
(37919)
Rudy Patrick
P. O. Box 10062
(615) 588-2489
- 220 TENNESSEE, Memphis**
(38103)
147 Jefferson Avenue
(901) 527-4541
- 221 TENNESSEE, Nashville**
(37209)
P. O. Box 7665
(615) 269-4536
- 222 TEXAS, Amarillo (79109)**
P. O. Box 7488
(806) 355-6551
- 223 TEXAS, El Paso (79983)**
Southwest Fertilizer
P. O. Box 9218
(915) 532-5604
- 224 TEXAS, Garland (75040)**
Rudy Patrick
414 Avenue A, P. O. Box 218
(214) 276-6165
- 225 TEXAS, Hereford (79045)**
Farr Better Feeds
P. O. Box 566
(806) 364-3890
- 226 TEXAS, Lubbock (79401)**
Southwest Fertilizer
Route 3, P. O. Box 191
(806) 762-0691
- 227 UTAH, Delta (84624)**
Rudy Patrick
(801) 864-5391
- 228 VIRGINIA, Norfolk (23501)**
P. O. Box 1321
(703) 622-5752
- 229 VIRGINIA, South Hill (23970)**
P. O. Box 277
(703) 447-3314
- 230 WASHINGTON, Moses Lake**
(98837)
Rudy Patrick
504 Commercial Street
(509) 756-4581
- 231 WASHINGTON, Quincy (98848)**
Rudy Patrick
6th & East Division
P. O. Box 60
(509) 787-2212
- 232 WASHINGTON, Sunnyside**
(98944)
Rudy Patrick
106 South 11 St., P. O. Box 538
(509) 837-4221
- 233 WASHINGTON, Touchet**
(99360)
Rudy Patrick
P. O. Box 106
(509) 394-2321
- 234 WASHINGTON, Yakima**
(98901)
Miller Products
P. O. Box 614
(509) 248-5831
- 235 WISCONSIN, Dodgeville (53533)**
Walnut Grove Products
P. O. Box 121
(608) 935-3318
- CANADA**
- 236 Ontario, Tecumseh**
P-A-G
Box 3006
(519) 735-9753

AMERICAN BREEDERS SERVICE, INC.

Animal insemination service for dairy and beef cattle.

HeadquartersDeForest, Wisconsin 53532
(608) 846-3721

● Plant

UNITED STATES

237 WISCONSIN, DeForest (53532)
(608) 846-3721

▲ Sales Offices

COLOMBIA

238 Carrera 8 No. 13-42
Bogota, D.E.
Tel. 42-32-24

NICARAGUA

239 4a Ave. Sur. Oeste
No. 401
Managua, D.N.
Tel.

SPAIN

240 Calle Calaf 48-1-2
Barcelona
Tel. 2278752

VENEZUELA

241 Edificio Yonekura, Apto. 71
Av. 4 Bellavista
Maracaibo, Edo. Zulia
Tel. 81719

UNITED STATES

242 ALABAMA, Dothan (36301)
Route 5, Box 288-A
(205) 792-6019243 ARKANSAS, Eudora (71640)
(501) EL 5-4634244 CALIFORNIA, Fresno (93705)
3692 W. Shields Ave.
(209) 284-8608245 CALIFORNIA, Modesto (95352)
573 Tully Rd.
P. O. Box 3717
(209) 529-3736246 CALIFORNIA, Palo Alto
(94303)
2425 Pulgas Ave.
(415) 322-6278247 CALIFORNIA, San Jose
(95127)
361 Valley View Ave.
(408) 258-7911248 CALIFORNIA, Sebastopol
(95472)
6314 Lone Pine Rd.
(707) 823-6066249 COLORADO, Longmont (80501)
814 Hillside Dr.
(303) 776-4248250 FLORIDA, Jacksonville (32207)
4138 Piper Drive
(904) 733-2882251 FLORIDA, Winter Park (32789)
1822 Maywood Road
(306) 647-2007252 GEORGIA, Athens (30604)
316 Fortson Drive
(404) 546-1191253 HAWAII, Waianae, Oahu
(96792)
P. O. Box 257
587-115254 ILLINOIS, Freeport (61032)
P. O. Box 578
(815) 232-9980255 ILLINOIS, Mt. Prospect (60056)
401 E. Prospect
(312) 259-0810256 INDIANA, Lamar (47550)
P. O. Box 166
(812) 529-2555257 INDIANA, South Whitley
(46787)
701 No. Calhoun St.
(219) 723-4383258 IOWA, Hampton (50441)
134 Windsor Blvd.
(515) 456-4624259 KANSAS, Hiawatha (66434)
Route 2
(913) 742-3335260 KANSAS, Hillsboro (67063)
307 N. Madison
(316) 947-3373261 KANSAS, Overland Park
(66204)
6900 W. 80th St.
(913) 649-3685262 KANSAS, Wichita (67212)
557 Red Barn Lane
(316) 722-3171263 KENTUCKY, Smithfield
(40068)
(502) 824-6271264 MICHIGAN, Battle Creek
(49017)
Route 4, Box 622
(616) 721-3265265 MINNESOTA, Almelund
(55002)
(612) 583-2505266 MINNESOTA, Chatfield
(55923)
228 Harwood Ave. N.E.
(507) 867-3559267 MINNESOTA, Forest Lake
(55025)
Box 189
(612) 464-4208268 MINNESOTA, Hutchinson
(55350)
86 McLeod Ave.
(612) 896-4353269 MISSISSIPPI, Tupelo
(38801)
401 Maynard Dr.
Box 842
(601) 842-0731270 MISSOURI, Springfield (65804)
1258 East Greenwood
(417) TU 1-7623271 MONTANA, Billings (59102)
P. O. Box 20496
(406) 259-9954272 MONTANA, Miles City (59301)
Professional Building
P. O. Box 794
(406) 232-4400273 NEBRASKA, Gothenburg
(69138)
Route 1, Box 7-A
(308) 537-2758274 NEBRASKA, Omaha (68107)
829 Livestock Exchange Blvd.
(402) 734-1757275 NEW HAMPSHIRE, Stratham
(03885)
Stratham Heights Road
(603) 772-3970276 NEW MEXICO, Albuquerque
(87102)
Rt. 1, P. O. Box 6416
(505) 636-2771277 NEW YORK, Honeoye Falls
(14472)
56 York Street
(716) 624-3675278 NEW YORK, Laurens (13796)
R. D. 1
(607) 263-5518

- | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>279 NEW YORK, Oneonta (13820)
105 Oneida St.
(607) 432-4382</p> <p>280 NORTH CAROLINA,
Black Mountain (28711)
120 West State Street
(704) 669-8728</p> <p>281 NORTH DAKOTA, Mandan
(58554)
909 1st Avenue N.W.
(701) 663-6433</p> <p>282 OKLAHOMA, Roanoke (73855)
(405) LE 3-2920</p> <p>283 OREGON, Portland (97266)
9139 S.E. Foster Rd.
P. O. Box 66008
(503) 771-6522</p> <p>284 PENNSYLVANIA,
Mechanicsburg (17055)
411 Reservoir Rd.
(717) 766-2272</p> <p>285 PENNSYLVANIA,
Tunkhannock (18657)
P. O. Box 1
(717) 836-7791</p> | <p>286 SOUTH CAROLINA, Rock Hill
(29730)
1191 India Hook Rd.
(803) 328-1785</p> <p>287 SOUTH DAKOTA, Armour
(57313)
R. R. 1
(605) 67R</p> <p>288 TENNESSEE, Lebanon (37067)
801 Castle Heights Ave.
(615) 444-8722</p> <p>289 TEXAS, Amarillo (79109)
2100 Polk Street
(806) 372-4363</p> <p>290 TEXAS, La Grange
Route No. 2
Box 250
(713) CH 9-2787</p> <p>291 TEXAS, Weatherford (76086)
P. O. Box 232
(817) 594-7020</p> <p>292 UTAH, Sandy (84070)
1407 E. 8730 South
(801) 255-7253</p> | <p>293 WISCONSIN, Appleton (54911)
1107 Gillett Street
(414) 739-4577</p> <p>294 WISCONSIN, De Forest
(53532)
(608) 846-3721</p> <p>295 WISCONSIN, Dodgeville
(53533)
614 West Fountain Street
(608) 935-5557</p> <p>296 WISCONSIN, Fall Creek
(54742)
Route 1
(715) 877-4492</p> <p>297 WISCONSIN, Fort Atkinson
(53538)
202 Memorial Drive
(414) 563-3337</p> <p>298 WISCONSIN, Madison (53704)
P. O. Box 3143
(608) 249-2176</p> <p>299 WYOMING, Sheridan (82801)
380 Smith St.
(307) 674-6714</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

PRODUCTS

Agricultural Surfactant - SWFSPREAD

A liquid, non-ionic wetting, penetrating and dispersing agent for use with agricultural and garden herbicides. Available in 1-, 5-, 30- and 55-gallon containers.

- 105
- ▲ 146 - 147 - 174 - 218 - 223 - 226

Aluminum Sulfate (Alum)

A colorless, odorless, crystalline, water-soluble solid used in sizing paper and for numerous other industrial applications.

- 67
- ▲ 171

Ammonium Nitrate

Solid, prilled nitrogen fertilizer containing 33.5% nitrogen. Available in 50-, 80- and 100-pound multiwall paper bags and in bulk. Also available in industrial grade.

- 85
- ▲ 127 - 128 - 135 - 137 - 140 - 149 - 150 - 151
- 152 - 153 - 154 - 155 - 156 - 157 - 159 - 163
- 167 - 169 - 170 - 172 - 173 - 174 - 175 - 182
- 185 - 187 - 188 - 198 - 199 - 200 - 201 - 203
- 204 - 205 - 206 - 218 - 220 - 221 - 222 - 223
- 226 - 229

Ammonium Nitrate Limestone (Calcium Ammonium Nitrate)

Solid, prilled fertilizer containing 20.5% nitrogen as well as secondary plant food elements of calcium and magnesium. Available in 100-pound multiwall paper bags and in bulk.

- 85
- ▲ 127 - 128 - 135 - 146 - 173 - 187 - 196 - 199
- 200 - 201 - 218 - 220 - 228 - 229

Ammonium Sulfate

Solid crystalline nitrogen fertilizer containing 21% nitrogen. Used as a direct fertilizer and in formulating mixed and blended fertilizers.

- 7 - 9 - 67 - 71
- ▲ 119 - 120 - 121 - 127 - 128 - 140 - 149
- 171 - 173 - 174 - 182 - 200 - 215 - 223

Anhydrous Ammonia

Liquefied gas, stored and shipped as a liquid at -28°F under refrigeration or under pressure; contains 82% nitrogen, highest N-content fertilizer available. Used as a direct application nitrogen fertilizer; as a nitrogen source in the manufacture of solid and liquid fertilizers and in a wide variety of industrial processes. Sold both wholesale and retail. Available in truck, rail car and ship cargo lots. Refrigeration grade ammonia also available.

- 7 - 9 - 99 - 101
- ▲ 117 - 119 - 120 - 121 - 135 - 137 - 138 - 140
- 144 - 147 - 156 - 157 - 159 - 163 - 171 - 173
- 175 - 176 - 177 - 179 - 182 - 187 - 189 - 200
- 205 - 210 - 220 - 222 - 223

Animal Health Products

A complete line of products designed to prevent and arrest infections and disease in livestock. Special products complement the efficiency of livestock feeds and minerals. Available in various forms and sizes depending on type and use of product.

- ▲ 137 - 138 - 156 - 157 - 159 - 163 - 175
- 176 - 177 - 179 - 180 - 184 - 189 - 190
- 192 - 193 - 235

Aqua Ammonia

Water solution of ammonia for industrial use. Sold in tank wagon, tank truck or rail car lots.

- 8 - 85 - 99 - 104
- ▲ 120 - 200 - 222

Beef Feeds

Complete nutritional line of supplements and minerals for feed lot cattle and cow herds. Purposes of feed lot supplements are to produce optimum weight gain and best feed conversion at lowest cost. Line includes products which help control parasites and aid in the recovery of the animal from various diseases.

Products for cow herds are aimed at promoting a high percentage of conception and live calf births, a stronger calf at birth and a heavier calf at weaning.

Processed in meal and pelleted form and wafers, sold in 50-pound paper bags and in bulk.

- 10 - 21 - 24 - 28 - 32 - 41 - 42 - 43
- 45 - 48 - 49 - 53 - 61 - 77 - 79 - 103
- ▲ 125 - 136 - 137 - 138 - 143 - 145 - 146 - 147
- 148 - 156 - 157 - 159 - 163 - 165 - 175 - 176
- 177 - 179 - 184 - 189 - 190 - 192 - 193 - 225
- 235

Dairy Feeds

Full nutritional line of supplements, complete feeds and minerals for the entire life cycle of the dairy cow. Calf program is aimed at developing a strong, vigorous first-calf heifer at a minimum age. The cow program incorporates "lead feeding" to nutritionally stimulate the cow to produce milk to her maximum ability.

Processed in meal and pelleted form, sold in 50-pound paper bags.

- 21 - 32 - 40 - 42 - 43 - 45 - 48 - 49
- 53 - 60 - 77 - 79
- ▲ 136 - 137 - 138 - 143 - 145 - 146 - 147 - 148
- 156 - 157 - 159 - 163 - 177 - 179 - 180 - 184
- 189 - 190 - 192 - 193 - 235

DAV-GRO Water-Soluble Fertilizer

Concentrated water-soluble plant food containing the major plant elements plus lesser elements and minerals to provide a complete plant food. Provides instant feeding for vegetables, citrus trees, flowers, lawns, shrubs, vines and house plants.

- 89
- ▲ 149 - 150 - 151 - 152 - 153 - 154 - 155 - 169
- 170 - 172 - 174 - 182 - 196 - 199 - 201 - 203
- 216 - 221 - 228 - 229

Defoliant, Cotton - SWFDROP

A true cotton defoliant based on the leaf-dropping characteristics of sodium chlorate buffered against flame hazard by blending with ammonium phosphate. Available in bulk or 55-gallon drums.

- 105
- ▲ 223 - 226

Defoliant, Cotton - SWFDRY

A 42% concentrate of pentachlorophenol for use as desiccant on mature cotton or an herbicide base. Packaged in 5-, 30-, and 55-gallon drums.

- 105
- ▲ 223 - 226

Diammonium Phosphate (DAP)

Basic ingredient used in blended fertilizers as well as for direct application. Available in two grades, 13-52-0 and 18-46-0.

- 11 - 71
- ▲ 118 - 120 - 126 - 127 - 128 - 135 - 137 - 140
- 149 - 150 - 151 - 152 - 153 - 154 - 155 - 167
- 169 - 170 - 172 - 173 - 174 - 182 - 185 - 187
- 188 - 204 - 205 - 206 - 220 - 221 - 222 - 223

Grace Greentown Products

Family of agricultural products manufactured and marketed through retail service centers. Additional information on products and locations available on request.

Grain Screenings

Filler material for animal feeds.

- 86 - 87 - 88 - 97
- ▲ 159

Grain Storage and Drying Equipment

A complete selection of grain bins and grain conditioning and handling equipment for storage. Storage bins available in capacities from 6,600 to 35,300 bushels; drying bins available in capacities from 1,100 to 15,500 bushels.

- ▲ 138 - 145 - 146 - 147 - 148 - 156 - 157 - 159
- 163 - 192 - 193

Hydrofluosilicic Acid (22-25%)

Transparent, slightly fuming liquid. Used as a source of fluoride for fluoridation of municipal water supplies; as a disinfectant for copper, brass and wooden vessels; as a bath in the electrolytic refining of lead; and for service cleaning of aluminum.

- 11 - 65 - 68 - 71 - 90 - 100
- ▲ 126 - 173 - 174 - 221

Industrial Gases

Carbon dioxide, hydrogen and nitrogen, by-products of the ammonia synthesis process. Carbon dioxide is sold for use in the manufacture of dry ice.

- 99
- ▲ 220

Insemination Equipment

Liquid nitrogen refrigerators for the storage of semen ampules are available for purchase or rental in varying sizes. The refrigerators may be serviced at one of the ABS regularly scheduled route stops.

- 237
- ▲ 238 through 289

Lawn and Garden Products

A complete small package line of insecticides, fungicides, weed killers, fertilizers and specialty items including holly dip, rodent bait, tree white, and pet, poultry and livestock dust.

- 95
- ▲ 212 - 215

LAWN SPRAY Fertilizer

A complete liquid fertilizer containing pesticides for direct lawn application. Available as a service only from authorized Grace Lawn Spray Service Centers.

- 66
- ▲ 173

Liquid Fertilizers

Complete fertilizers of various analyses containing all three basic plant nutrients (nitrogen, phosphorus, potash) in liquid form.

- 6 - 7 - 17 - 27 - 30 - 34 - 35 - 37
- 81 - 92 - 104
- ▲ 127 - 128 - 137 - 147 - 150 - 154 - 222 - 223

MAGAMP Fertilizer

A non-burning solid fertilizer, only slightly soluble in water, for nursery stock and fruit trees. Available in one formulation, 7-40-6.

- 96
- ▲ 127 - 128 - 215 - 223 (also sold through distributors)

Mixed Fertilizers

Complete line of pulverized and granulated fertilizers containing all three basic plant nutrients in a variety of formulations. Mixed fertilizers are balanced, dry plant foods, either simple blends of individual nutrient materials (bulk blend fertilizers) or fertilizer materials permanently combined by chemical and physical processing (granular fertilizers).

- 1 - 2 - 3 - 4 - 5 - 6 - 8 - 12
- 13 - 23 - 36 - 37 - 38 - 40 - 46 - 55
- 66 - 68 - 71 - 83 - 84 - 89 - 90 - 91
- 92 - 93 - 94 - 96 - 100 - 107 - 109
- ▲ 118 - 120 - 127 - 128 - 137 - 138 - 140 - 145
- 146 - 147 - 148 - 149 - 150 - 151 - 152 - 153
- 154 - 155 - 156 - 157 - 159 - 161 - 163 - 167
- 169 - 170 - 172 - 174 - 175 - 176 - 177 - 179
- 180 - 182 - 184 - 185 - 188 - 189 - 190 - 198
- 199 - 201 - 203 - 204 - 205 - 206 - 207 - 208
- 209 - 210 - 211 - 213 - 214 - 215 - 216 - 217
- 218 - 221 - 222 - 223 - 228 - 229 - 231

Nitrogen Solutions

Variety of compositions based on combinations of ammonia, ammonium nitrate and urea in solution for both direct soil application and for use in fertilizer manufacturing. Available in tank wagon, tank truck and rail car lots.

- 67 - 85
- ▲ 127 - 128 - 135 - 137 - 138 - 140 - 146 - 147
- 148 - 150 - 151 - 152 - 153 - 154 - 155 - 167
- 169 - 170 - 171 - 172 - 173 - 174 - 177 - 179
- 180 - 182 - 184 - 185 - 186 - 187 - 188 - 189
- 190 - 196 - 199 - 200 - 201 - 203 - 204 - 205
- 206 - 218 - 220 - 221 - 222 - 223 - 228 - 229

Pesticides

Insecticides, pesticides, fungicides and herbicides used for the control of animal or plant pests. Insecticides are available in complete formulations of liquids, dusts, wettable powders and granules.

- 12 - 46 - 55 - 66 - 68 - 82 - 95
- 96 - 105
- ▲ 120 - 122 - 127 - 128 - 129 - 130 - 131 - 132
- 133 - 134 - 137 - 138 - 140 - 141 - 144 - 145
- 146 - 147 - 148 - 149 - 150 - 151 - 152 - 167
- 172 - 174 - 176 - 177 - 179 - 180 - 184 - 185
- 188 - 189 - 190 - 196 - 198 - 199 - 201 - 203
- 204 - 205 - 206 - 207 - 208 - 209 - 210 - 211
- 212 - 213 - 214 - 215 - 216 - 217 - 218 - 221
- 222 - 223 - 226 - 227 - 228 - 229 - 230 - 231
- 232 - 233 - 234

Phosphate Rock

Used in phosphoric acid production and as a basic ingredient in mixed fertilizer materials. Available as screened material for electric furnaces.

- 11
- ▲ 126 - 127 - 128 - 135 - 171 - 173 - 187 - 220

Phosphoric Acid (52-54%) Wet Process

Inorganic acid used in the manufacture of high analysis dry fertilizer, slurry fertilizer and liquid fertilizer.

- 11 - 71
- ▲ 118 - 126 - 135 - 173 - 182 - 187 - 220 - 222

Poultry Feeds

A combination of complete feeds and supplements to develop a strong, vigorous pullet and later to promote top egg production at the best feed conversion rates. A combination of complete feeds and supplements for turkeys - both breeder and commercial slaughter flocks. Breeder feeds are aimed at maximum health, high egg production, fertility and hatchability. Feeds for growing turkeys are aimed at maximum health, fast growth, best feed conversion and economical gains. Processed in meal or crumbles and sold in 50-pound paper bags.

- 21 - 32 - 41 - 42 - 43 - 45 - 48 - 49
- 53 - 60 - 77 - 79
- ▲ 136 - 138 - 143 - 145 - 146 - 147 - 148 - 156
- 157 - 159 - 163 - 175 - 182 - 183 - 235

Seeds

Legumes, pasture and turf grass seeds; hybrid grain and forage sorghums; hybrid sorghum sudans; cotton, vegetable and soybean seeds. For farm, home and garden use to produce food and fibre, for lawn and turf beautification and soil erosion prevention. Popcorn also available as a consumer product.

- 15 - 16 - 17 - 27 - 30 - 34 - 52 - 58
- 62 - 69 - 72 - 73 - 76 - 81 - 92 - 98
- 102 - 108 - 109 - 110 - 111
- ▲ 122 - 123 - 124 - 127 - 128 - 129 - 130 - 131
- 133 - 134 - 137 - 138 - 141 - 142 - 144 - 145
- 146 - 147 - 148 - 149 - 150 - 151 - 152 - 153
- 154 - 155 - 158 - 160 - 162 - 164 - 166 - 168
- 169 - 170 - 174 - 177 - 178 - 179 - 180 - 181
- 183 - 184 - 186 - 189 - 190 - 191 - 194 - 195
- 197 - 198 - 199 - 201 - 202 - 203 - 204 - 205
- 206 - 216 - 219 - 223 - 224 - 227 - 228 - 229
- 230 - 231 - 232 - 233 - 236

Seed Corn

Varieties of seed corn for every soil and climate.

- 14 - 18 - 19 - 20 - 29 - 31 - 33 - 34
- 54 - 56 - 63 - 70 - 78
- ▲ 122 - 123 - 124 - 129 - 130 - 131 - 133 - 134
- 144 - 145 - 146 - 147 - 148 - 149 - 150 - 151
- 152 - 153 - 154 - 155 - 158 - 164 - 168 - 169
- 170 - 172 - 174 - 178 - 191 - 194 - 195 - 197
- 198 - 199 - 201 - 218 - 219 - 221 - 224 - 228
- 229 - 230 - 231 - 236

Seed Treating Inoculation, Chemicals and Equipment

Nitrogen-fixing inoculation (Nodogen) both as a dry and a liquid culture applied to alfalfas, clovers, soybeans and other legumes prior to planting. Equipment for use in applying the inoculant and other chemicals to the seed prior to planting.

- 30
- ▲ 122 - 123 - 124 - 129 - 130 - 133 - 134 - 141
- 142 - 144 - 158 - 162 - 166 - 178 - 181 - 183
- 186 - 194 - 195 - 197 - 202 - 219 - 224 - 230
- 231 - 232 - 233

Semen

Genetically proven frozen bovine semen for the animal insemination of dairy and beef cows. Ampules are transported by semi-trailer at -320°F to ABS distributors, technicians and herdsmen throughout the country. Common carrier shipment is available to customers not serviced by the existing ABS distribution system in the U.S. and abroad.

- 237
- ▲ 238 through 299

Sheep Feeds

Complete nutritional line of supplements and minerals for feeder lambs. Improves the growth rate and feed efficiency while offering protection from several costly sheep diseases.

Processed in meal or pelleted form and sold in 50-pound paper bags.

Sheep Feeds (continued)

- 41 - 42 - 43 - 45 - 46 - 49 - 53 - 60
77 - 79
- ▲ 138 - 145 - 146 - 147 - 148 - 156 - 157 - 159
163 - 175 - 182 - 193 - 235

Silicofluorides

Ammonium, magnesium and zinc silicofluoride compounds are used in a variety of industrial applications, including laundry soaps, moth-proofing agents, concrete hardeners and disinfectants.

- 65
- ▲ 173

Slurry Fertilizers

Grace Slurry-Mix fertilizers are balanced plant foods in semi-liquid form that are custom-spray-applied to the soil. A number of compositions are available for specific soil and crop requirements. Slurry fertilizers are an innovation in commercial plant foods and show promise of delivering plant nutrients to the soil in a very economical manner.

- 22 - 24 - 25 - 26 - 28 - 42 - 43 - 44
47 - 50 - 51 - 57 - 59 - 64 - 74 - 75
78 - 106
- ▲ 137 - 138 - 140 - 145 - 146 - 147 - 148 - 156
157 - 159 - 163 - 175 - 176 - 177 - 179 - 180
184 - 189 - 190 - 222

START-RITE Fertilizer

A completely water-soluble, high-analysis plant food used as a starter solution in transplanting all types of plants. It dissolves instantly and is especially formulated to promote healthy, early growth.

- 89
- ▲ 127 - 128 - 149 - 150 - 151 - 152 - 153 - 154
155 - 169 - 170 - 172 - 174 - 182 - 203 - 221

Sulfur-SFWGOLD

Available as finely ground dusting, flaked, coarse-ground, or wettable powder for blending with insecticides, for direct application to the soil, or for blending with liquid and dry fertilizers. Delivered in bulk or 50-pound bags.

- 105
- ▲ 223 - 226

Sulfuric Acid (66-68 and 98%)

Inorganic acid used in the manufacture of ammonium sulfate, superphosphate fertilizers and other organic acids, as well as many other industrial processes.

- 7 - 11 - 65 - 67 - 71 - 96 - 107
- ▲ 120 - 126 - 135 - 171 - 173 - 182 - 187 - 218
220 - 223 - 228

Superphosphate, Single (20% A. P. A.)*

Basic ingredient used in mixed fertilizer formulations and in direct fertilizer application.

- 1 - 2 - 3 - 4 - 5 - 55 - 65 - 66
67 - 71 - 90 - 96 - 100 - 107
- ▲ 112 - 113 - 114 - 115 - 116 - 127 - 128 - 135
140 - 149 - 150 - 151 - 152 - 153 - 154 - 155
156 - 157 - 158 - 161 - 163 - 167 - 170 - 172
173 - 174 - 175 - 182 - 185 - 187 - 188 - 203
204 - 205 - 206 - 215 - 216 - 220 - 221 - 223
228

Superphosphate, Triple (46% A. P. A.)*

Basic ingredient for direct fertilizer application and for many mixed and blended fertilizer formulations. Available in granular or pulverized form.

- 8 - 11 - 71
- ▲ 113 - 114 - 115 - 116 - 126 - 127 - 128 - 135
137 - 140 - 149 - 150 - 151 - 152 - 153 - 154
155 - 156 - 157 - 159 - 163 - 167 - 169 - 170
171 - 172 - 173 - 174 - 175 - 185 - 187 - 188
203 - 204 - 205 - 206 - 215 - 220 - 221 - 222
223

Swine Feeds

Complete nutritional line for each phase of the life cycle of swine, including supplements, complete feeds and minerals for all classes of swine. Products enable the farmer to incorporate modern swine nutrition practices into feeding programs to increase rate of gain, counteract problems from parasites and diseases, and help reduce the overall cost of production pork.

Processed in meal or pelleted form and sold in 50-pound paper bags or bulk.

- 21 - 32 - 41 - 42 - 43 - 45 - 48 - 49
53 - 60 - 77 - 79
- ▲ 136 - 137 - 138 - 143 - 145 - 146 - 147 - 148
156 - 159 - 163 - 175 - 176 - 182 - 193 - 235

Urea

White, solid nitrogen fertilizer in prill form, containing 45-46% nitrogen. Also available in feed grade suitable for mixture in cattle feeds and in crystalline form for industrial use. Available in multiwall paper bags and in bulk.

- 8 - 99 - 101
- ▲ 121 - 127 - 128 - 135 - 137 - 140 - 145 - 146
147 - 148 - 149 - 150 - 151 - 152 - 153 - 154
155 - 156 - 157 - 159 - 163 - 167 - 169 - 170
172 - 173 - 174 - 175 - 176 - 185 - 187 - 188
200 - 203 - 204 - 205 - 206 - 215 - 216 - 220
221 - 222 - 223

Urea Solutions

Urea-ammonium liquors of various compositions used in manufacture of mixed fertilizers. Available in tank cars and tank trucks.

- 24 - 85 - 99
- ▲ 200 - 220

* Available Phosphoric Acid

Manufactures plastic packaging materials. Flexible packaging products include bags, films, pouches and laminates as well as complete packaging systems for industry. Rigid container products include AIRMOLD blow molded boxes for consumer packaging and biaxially-oriented and rigid foam polystyrene containers.

Headquarters Office

P. O. Box 464
Duncan, South Carolina 29334
(803) 439-4121

● Plants**UNITED STATES**

- 1** IOWA, Cedar Rapids (52406)
1125 Wilson Avenue, S.W.
P. O. Box 1167
(319) EM 4-0141
- 2** MASSACHUSETTS, Woburn
(01801)
369 Washington Street
(617) WE 3-7500
- 3** SOUTH CAROLINA,
Simpsonville (29681)
P. O. Box 338
(803) 963-4111
- 4** PENNSYLVANIA, Reading
(19603)
P.O. Box 295
(215) 926-2171

CANADA

- 5** ONTARIO, Cooksville
2365 Dixie Road, North
(416) 277-2751

▲ Sales Offices**UNITED STATES**

- 6** CALIFORNIA, Hayward
(94578)
91 Jackson Street
(415) 582-0833
- 7** CALIFORNIA, Huntington Park
(94544)
5501 Pacific Boulevard, Rm. 203
(213) 583-3251

- 8** COLORADO, Denver (80215)
10396 W. Colfax, Rm. 250
(303) BE 3-6558

- 9** ILLINOIS, Chicago (60625)
Merchandise Mart Plaza
Room 475
(312) 527-5700

- 10** MINNESOTA, Minneapolis
(55204)
2508 Foshay Tower
(612) FE 9-6219

- 11** NEBRASKA, Omaha (68102)
1506 W.O.W. Building
(402) 341-4669

- 12** NEW JERSEY, Chatham
(07928)
323 Main Street
(201) 635-6300

- 13** NORTH CAROLINA, Charlotte
(28210)
1433 Emerywood Drive
(704) 525-3324

- 14** OHIO, Medina (44256)
P.O. Box 503
(216) 725-4951

- 15** PENNSYLVANIA, Reading
(19603)
P.O. Box 295
(215) 926-2171

- 16** PENNSYLVANIA, Upper
Darby (19082)
60 Garret Road
(215) FL-2311

- 17** SOUTH CAROLINA, Duncan
(29334)
P. O. Box 464
(803) 439-4121

CANADA

- 18** ALBERTA, Calgary
415 Manitu Rd., S.E.
(403) 264-1655

- 19** ALBERTA, Edmonton
10117 111th Street
(403) 482-3914

- 20** BRITISH COLUMBIA,
Vancouver
3450 Wellington Avenue
(604) 437-1030

- 21** MANITOBA, Winnipeg
830 King Edward Street
(204) 774-2429

- 22** NOVA SCOTIA, Halifax
3003 Olivet Street
(902) 455-3128

- 23** ONTARIO, Cooksville
2365 Dixie Road, North
(416) 277-2751

- 24** ONTARIO, Downsview
3500 Dufferin Street
(416) 630-1292

- 25** ONTARIO, Kitchener
Dunker Building, Room 601
251 King Street, West
(519) 742-3521

- 26** ONTARIO, Toronto
4195 Dundas Street, West
Suite 207
(416) 239-4838

- 27** QUEBEC, Mount Royal
785 Plymouth Avenue
Suite 123
(514) 781-3671

PRODUCTS

PLASTIC CONTAINERS

AIRMOLD Blow Molded Packaging

Custom blow molded double-wall boxes in varying sizes and interior configurations for specialty packaging of power tools, cameras and other industrial and consumer products.

- 1
- ▲ 17

Rigid Containers

Biaxially-oriented and rigid foam polystyrene containers and trays for packaging meats, poultry, fish, bakery and confectionery products. Non-food applications include records, toys, games, textiles and paper.

- 4
- ▲ 15

SHRINKING BAGS AND CASINGS

CRYOVAC "L" for packaging turkeys, whole chickens and ducks.

- 3
- ▲ 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14
- 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24
- 25 - 26 - 27

CRYOVAC "S" for packaging smoked, cured and processed meats, beef, cheese and poultry.

- 1 - 2 - 5
- ▲ 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14
- 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24
- 25 - 26 - 27

CRYOVAC "S" casings for packaged, smoked, cured and processed meats.

- 1 - 2 - 5
- ▲ 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14
- 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24
- 25 - 26 - 27

SHRINKING FILMS

Polyethylene

CRYOVAC "D" for packaging toys, phonograph albums, specialties, meats and bakery items.

CRYOVAC "L" for packaging whole and cut-up broilers, turkey parts and bakery items.

- 3
- ▲ 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14
- 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24
- 25 - 26 - 27

Polyvinylidene Chloride

CRYOVAC "S" for packaging meat and cheese.

- 3
- ▲ 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14
- 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24
- 25 - 26 - 27

Polypropylene

CRYOVAC "J" for packaging textiles, games and paper products.

CRYOVAC "Y" for packaging phonograph albums and toys. Also CRYOVAC "Y"-Perforated for produce, both shrink and non-shrink applications.

CRYOVAC "YH" for laminating with cellophane.

- 3
- ▲ 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14
- 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24
- 25 - 26 - 27

LAMINATES

Various constructions in pouch or roll-stock form for vacuum packaging cheese and processed meats.

- 3 - 5
- ▲ 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14
- 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24
- 25 - 26 - 27

POUCHES

For packaging a variety of cured, smoked and processed meats.

- 3 - 5
- ▲ 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14
- 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24
- 25 - 26 - 27

EQUIPMENT

Customized packaging lines: automatic, semi-automatic and hand-operated equipment for edge sealing and vacuum sealing; shrink tunnels, clip applicators.

- 2
- ▲ 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14
- 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24
- 25 - 26 - 27

DAWBARN

Extrudes and markets polyethylene and polypropylene monofilament, multifilament and ribbon fibers. Weaves, finishes and markets DAWBAC fabric, used as primary backing for tufted carpets.

General Office

901 S. Delphine Avenue
P. O. Box 460
Waynesboro, Virginia 22980
(703) 942-1101

● Plants

UNITED STATES

- 1 VIRGINIA, Waynesboro
(22980)
901 S. Delphine Avenue
P. O. Box 460
(703) 942-1101

CANADA

- 2 NOVA SCOTIA, Truro
589 Prince Street
(902) 895-5445
- 3 ONTARIO, Brantford
Grace Fibres, Ltd.
36 Morton Avenue, East
P. O. Box 1028
(519) 759-2200

▲ Sales Offices

UNITED STATES

- 4 GEORGIA, Dalton (30720)
P.O. Box 1023
(404) 278-0114
- 5 NEW JERSEY, Chatham
(07928)
323 Main Street
(201) 635-6300
- 6 NORTH CAROLINA, Charlotte
(28209)
1630 Mockingbird Lane
(704) 523-8648
- 7 VIRGINIA, Waynesboro
(22980)
901 S. Delphine Avenue
P.O. Box 460
(703) 942-1101

CANADA

- 8 BRITISH COLUMBIA,
Richmond (Herzog)
1078 Cambie Road
P. O. Box 145
(604) 278-9688
- 9 NOVA SCOTIA, Truro
589 Prince Street
(902) 895-5445
- 10 ONTARIO, Brantford
Grace Fibres, Ltd.
36 Morton Avenue, East
P. O. Box 1028
(519) 759-2200

PRODUCTS

DAWBAC Fabric

Woven of polypropylene ribbon in 12- and 15-foot widths. Used in primary carpet backing.

DLP Monofilament and Multifilament

Single filament deniers from 50 to 1000. Limited deniers in flat cross sections.

DLP Ribbon Monofilament

Available in deniers ranging from 250 to 1500.

- 1 - 3
▲ 4 - 5 - 6 - 7 - 10

Finished Rope and Cordage

- 2
▲ 6 - 9 - 10

TRANSPARENT PAPER PRODUCTS LIMITED

Prints (both gravure and flexographic), laminates, coats and fabricates a wide range of flexible packaging materials. Products are sold in roll stock, pouch and bag forms converted from cellophane, polyethylene, polypropylene, mylar, foil, paper and tissue.

General Office

6440 Henri Bourassa Blvd., East
Montreal North 39, Quebec, Canada
(514) 322-9210

● Plant

CANADA

- 1** QUEBEC, Montreal North 39
6440 Henri Bourassa Blvd. East
(514) 322-9210

▲ Sales Offices

CANADA

- 2** ONTARIO, Downsview
3500 Dufferin Street
Suite 600
(416) 630-1292

- 3** QUEBEC, Montreal 9
785 Plymouth Avenue
(514) 731-3671

PRODUCTS

Cellophane

Roll stock, bags, pouches, sheets; used for confectionery, biscuits, potato chips.

Cello Wax Laminates

Roll stock and bags, for packaging macaroni, biscuits and confectionery.

Extrusion Coating

Cellophane, mylar or foil coated with polyethylene. Roll stock and pouches used for packaging drink mixes, soups, powdered foods, potato flakes, condiments and smoked meats.

Polyethylene

Printed roll stock, bags and pouches for packaging blankets, bathroom tissue, shirts and sweaters, screws and nails.

Foil Paper

Foil which is glue-laminated to paper inside a foil bag; used for packaging potato chips.

Foil, Unsupported

Printed roll stock used for automatic overlay and covers for TV dinners.

Foil Tissue

Foil/wax/tissue and foil hot wax-laminated to tissue and used for cigarette package liners.

K O Kote

Cellophane printed and coated with wax; sorbic supplied for processed cheese and plain cello waxed and starched for natural cheese.

Wrap Kote

Paper coated with Elvax for powdered desserts.

Wrap-Kote (2 Substrates)

Foil which is glue-laminated to sulphite, printed, then coated and slit; used for potato chips and margarine carton overwrap.

Adhesive Laminates (2 Substrates)

Combination of mylar/poly, cello/poly and cello/foil; all laminated with a lacquer binder, to be used for luncheon meat, weiners and condiment packaging.

Paper

Printing and slitting rolls of linen-embossed paper used for shopping bags and band-aid wraps.

● 1

▲ 2 - 3

GRACE**HATCO GROUP**

Manufactures and markets phthalic anhydride, sebacic acid, plasticizers, synthetic jet lubricants and lubricant-base stocks, polyester resins, supported and unsupported vinyl sheet and film, synthetic and natural waxes, industrial solvents, specialty organic chemicals and plastic office supplies.

Headquarters Office

King George Post Road
Fords, New Jersey 08863
(201) 826-6262

HATCO CHEMICAL DIVISION

Manufactures and markets phthalic anhydride, sebacic acid, plasticizers, synthetic jet lubricants and lubricant-base stocks and specialty organic chemicals.

● Plant

1 NEW JERSEY, Fords (08863)
King George Post Road
(201) 826-6262

▲ Sales Offices

2 INDIANA, Fort Wayne (46801)
3805 Dalewood Drive
(219) 748-2796

4 NEW JERSEY, Fords (08863)
King George Post Road
(201) 826-6262

3 MASSACHUSETTS, Topsfield
(01983)
Parsonage Lane
(617) 887-5635

5 OHIO, Cuyahoga Falls (44221)
2916 Millboro Road
(216) 929-3351

ELLAY RUBBER DIVISION

Produces and markets printed, laminated and embossed vinyl film and sheeting.

General Office

1200 South Central Avenue
Los Angeles, California 90021
(213) 747-6355

● Plant

6 CALIFORNIA, Los Angeles
(90021)
1200 South Central Avenue
(213) 747-6355

▲ Sales Office

7 CALIFORNIA, Los Angeles
(90021)
1200 South Central Avenue
(213) 747-6355

ELM COATED FABRICS DIVISION

Produces and supplies unsupported vinyl film and sheet for a number of consumer and industrial applications.

General Office

220 Stewart Avenue
Brooklyn, New York 11237
(212) HY 7-2230

● Plant

8 NEW YORK, Brooklyn (11237)
220 Stewart Avenue
(212) HY 7-2230

▲ Sales Office

9 NEW YORK, New York (10016)
261 Fifth Avenue
(212) MU 6-3311

HOWARDS & SONS (CANADA) LTD.

Manufactures and markets phthalic anhydride, plasticizers, sorbitol and other chemical specialties.

General Office

Wallrich Avenue
Cornwall, Ontario
(613) 933-5330

● Plant

10 ONTARIO, Cornwall
Wallrich Avenue
(613) 933-5330

▲ Sales Offices

11 ONTARIO, Cornwall
Wallrich Avenue
(613) 933-5330
from Montreal call
(514) 861-4622

12 ONTARIO, Toronto
79 Ellesmere Road
Suite 17
Scarboro
(416) 444-4477

MARCO CHEMICAL DIVISION

Manufactures polyester resins. Cornelius Wax Refining Corp., a subsidiary, refines and manufactures natural and synthetic waxes.

General Office

1711 West Elizabeth Ave.
Linden, New Jersey 07036
(201) 925-6610

● Plants

13 NEW JERSEY, Edison (08840)
Edison Industrial Center
(201) 549-2000

14 NEW JERSEY, Linden (07036)
1711 W. Elizabeth Ave.
(201) 925-6610

15 OHIO, Swanton (43558)
413 E. Broadway
(419) 826-3010

▲ Sales Offices

16 GEORGIA, Atlanta (30040)
3596 Oakcliff Road
(404) 875-9256

17 NEW JERSEY, Linden (07036)
1711 W. Elizabeth Ave.
(201) 925-6610

18 NORTH CAROLINA,
Charlotte (28214)
2224 Toddville Road
(704) 399-6274

19 OHIO, Swanton (43558)
413 E. Broadway
(419) 826-3010

JOSHUA MEIER DIVISION

Manufactures and markets plastic products for the office supply industry, including sheet protectors, report covers, presentation binders, portfolios, photo albums, desk sets and accessories.

General Office

7400 West Side Avenue
North Bergen, New Jersey 07047
(201) 869-8200

● Plant

20 NORTH BERGEN, New Jersey
(07047)
7400 West Side Avenue
(201) 869-8200

▲ Sales Office

21 NORTH BERGEN, New Jersey
(07047)
7400 West Side Avenue
(201) 869-8200

SOUTHBRIDGE PLASTICS DIVISION

Produces printed, laminated and embossed vinyl sheeting.

General Office

1 Park Avenue
New York, New York 10016
(212) 889-5300

● **Plants**

- 22** MISSISSIPPI, Corinth (38834)
Golding Drive
(601) 287-1401
- 23** NEW JERSEY, Clifton (07012)
310 Allwood Road
(201) 773-1200

▲ **Sales Offices**

- 24** CALIFORNIA, Los Angeles (90015)
1200 S. Central Avenue
(213) 746-3500
- 25** ILLINOIS, Chicago (60611)
666 Lakeshore Drive
(312) 837-2047
- 26** ILLINOIS, Chicago (60620)
9146 S. Green Street
(312) 239-4300

- 27** NEW YORK, New York (10016)
1 Park Avenue
(212) 889-5300

- 28** NORTH CAROLINA, High Point (27261)
1809 English Street
(919) 882-2222

- 29** TEXAS, Dallas (75207)
2430 Converse Street
(214) ME 1-0304

- 30** ONTARIO, Toronto
95 Wingold Avenue
(416) 789-7237

SOUTHERN RESIN & SOLVENTS DIVISION

Markets polyester resins and other materials used in fabricating reinforced plastics.
Distributes a variety of industrial solvents, chemicals and polyurethane foams.

General Office

8700 N.W. 36th Avenue
Miami, Florida 33147
(305) 691-4321

● **Plant**

- 31** FLORIDA, Miami (33147)
8700 N.W. 36th Avenue
(305) 691-4321

▲ **Sales Offices**

- 32** FLORIDA, Miami (33147)
8700 N.W. 36th Avenue
(305) 691-4321

- 33** GEORGIA, Atlanta (30040)
3596 Oakcliff Road
(404) 876-9256

PRODUCTS**Acetone**

A widely used industrial solvent. Available in bulk, 55-gallon drums and smaller containers.

▲ 32 - 33

Aircraft Cleaners

A variety of industrial solvents used in cleaning and maintaining aircraft. Available in bulk, 55-gallon drums and smaller containers.

▲ 32

Anti-Static Agent

Hatcol 1606 is an anti-static agent specifically developed for use in PVC-impregnated conveyor belts.

● 1

▲ 2 - 3 - 4 - 5

Barium Carbonate

For use in brick manufacturing and other industries. Available in 50 lb. bags.

▲ 11-12

Barium Hydroxide

For use in lubricating oil additives. Available in 100 lb. kegs.

▲ 11 - 12

Beeswax

Available as crude or refined, both natural and synthetic, for use in arts and crafts, cosmetics, pharmaceuticals, candle manufacturing, printing and carbon paper, polishes, leather finishing, crayons and lead pencils. The entire line is available as 10- to 12-pound slabs or one-pound cakes packaged in multiwall cartons of approximately 55 pounds net.

● 13

▲ 16 through 19

Benzyl Chloride

A widely used chemical intermediate. Available in bulk and in 55-gallon drums.

● 1

▲ 2 - 3 - 4 - 5

Bleaching Agents

Inorganic chemical bleaching agents, such as sodium perborate and sodium chlorite. Available in 100-lb. containers.

▲ 11 - 12

Candelilla Wax

Available as crude or refined natural wax for use in polishes, chewing gum, candles and in coating castings.

● 13

▲ 16 through 19

Capryl Alcohol

Water-white liquid used as a solvent defoamer and chemical intermediate. Available in bulk or in drums.

● 1

▲ 2 - 3 - 4 - 5

Carnauba Wax

Available as crude or refined natural wax for use in pharmaceuticals, cosmetics, crayons and pencils, dental compounds, carbon papers, inks and finishes, mold release agents, and automotive, floor and shoe polishes. Available in lump, flake or pulverized form.

● 13

▲ 16 through 19

Ceresine Wax

A petroleum-based wax for chewing gum, cosmetics, crayons and pencils, dental compounds, lubricants and waterproofing applications.

● 13

▲ 16 through 19

Construction Materials

Decorative, rigid, vinyl films used as laminates on wood, metal, acoustical tile, "Masonite", floor tile and other substrates. Provide excellent scuff-resistance, cleanability and permanence as a barrier to water vapor. Available in rolls up to 72 inches wide.

● 8

▲ 9

Curing Agents, Polyester Resin

Methyl ethyl ketone peroxide, benzoyl peroxide and other polyester activators or hardeners.

▲ 16 - 30 - 31

Cyclic Ketone Resins

Organic chemical intermediates used in the manufacture of lacquers and adhesives. Available in 100-lb. containers.

▲ 11 - 12

Cyclohexanone

Colorless liquid used as a solvent and chemical intermediate. Available in 45 Imperial-gallon drums.

▲ 11-12

Cyclohexyl Alcohol

Water-white liquid used as a solvent and chemical intermediate. Available in bulk or in 55-gallon drums.

● 10

▲ 11 - 12

EMULSOWAX Synthetic Waxes

A series of waxes used as extenders or carnauba replacements in floor wax, leather finishes, shoe polishes and paper coatings.

● 13

▲ 16 through 19

Epoxidized Oils

The epoxidized oils perform as plasticizers and stabilizers in vinyl formulations. Available in bulk tank truck and rail tank car lots and in 55-gallon drums.

● 1

▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Ethyl Alcohol

A denatured solvent for industrial use. Available in bulk, 55-gallon drums and other standard packages.

▲ 32

Fatty Acids

Distilled and crude vegetable fatty acids used for soaps, esters and detergents. Available in 400-pound drums and bulk tank truck and rail tank car lots.

- 1
- ▲ 2 - 3 - 4 - 5

Fibrous Glass

Fibrous glass reinforcements for polyester and other resins. Available as woven roving, mat, and woven fabrics in varying weights and dimensions.

- ▲ 16 - 32 - 33

Fumaric Acid

White crystalline material used in the preparation of polyesters, plasticizers, alkyd resins and ester gums. Available in 50-pound multiwall bags.

- ▲ 2 - 3 - 4 - 5

Gel-Coats

Specialty polyester resins used to impart surface properties of color, scuff, and chemical resistance. Used widely in manufacturing boats and other items where superior surface characteristics and appearance are desired. Available in 55-gallon drums and 5-gallon pails.

- 14 - 15 - 31
- ▲ 16 - 17 - 18 - 19 - 32 - 33

Humectants

Products, such as sorbitol, which maintain a desired moisture content despite broad humidity fluctuations. Sorbitol is used in toothpastes, in tobacco, and in jams, jellies and other confectionery products.

- 10
- ▲ 11 - 12

Insecticide Base Oils

Petroleum and other base stocks for use in the formulation of insecticides and pesticides. Available in bulk, 55-gallon drums and smaller containers.

- ▲ 32

Isopropyl Alcohol

A general purpose industrial solvent. Available in bulk, 55-gallon drums and other standard packages.

- ▲ 32

Japan Wax

A wax-like fat used in lead pencils, textiles, cosmetics, cordage and laundry finishes. Available as a crude or refined product.

- 13
- ▲ 16 through 19

Jet Engine Lubricants

Lubricant and lubricant-base stocks which meet military and commercial requirements for jet turbine engine lubricant; based on high purity organic esters.

- 1 - 10
- ▲ 4 - 11 - 12

Maleic Anhydride

A chemical intermediate used in the manufacture of alkyds, polyesters, plasticizers, ester gums and other materials. Available in molten form in bulk tank wagon or tank truck, or as white flaked solid in 50-pound multiwall bags.

- ▲ 2 - 3 - 4 - 5

Methyl Alcohol

A general purpose industrial solvent. Available in bulk, 55-gallon drums and other standard packages.

- ▲ 32

Methylcyclohexyl Alcohol

Colorless organic liquid used as a solvent and chemical intermediate. Available in bulk or in 55-gallon drums.

- 10
- ▲ 11 - 12

Methyl Ethyl Ketone

Solvent for lacquers and rubber and plastic coatings. Available in bulk, 55-gallon drums and smaller containers.

- ▲ 32

Methyl Isobutyl Ketone

Solvent for nitrocellulose and other surface coatings. Available in bulk, 55-gallon drums and smaller containers.

- ▲ 32

Mineral Spirits

Organic liquid solvents used widely in paint and varnishes. Available in bulk, 55-gallon drums and smaller containers.

- ▲ 32

Molding Compounds

Polyester resin and fiber glass molding compounds for compression molding of industrial automotive and electrical components. Available in roll form, 125 lb. per roll.

- 14 - 15
- ▲ 16 - 17 - 18 - 19

Mold Release Agents

Industrial waxes and other parting agents used in polyester molding operations.

- ▲ 16 - 17 - 18 - 19 - 32 - 33

Montan Wax

A mineral wax extracted from lignite, used in carbon paper, insulation, polishes and other applications. Available in natural state and bleached forms.

- 13
- ▲ 16 through 19

Myristyl-cetyl Alcohol

A blend of fatty alcohols, HATCOOL MC finds use as an intermediate for quaternaries and tanning agents. Available in bulk and in 55-gallon drums.

- 1
- ▲ 2 - 3 - 4 - 5

Ourocurry Wax

Available as a crude or refined natural wax, used extensively in carbon paper manufacture, crayons and pencils, inks and printing, lubricants, leather finishes and polishes.

- 13
- ▲ 16 through 19

Ozokerite

A petroleum-based wax for carbon paper, cosmetics, crayons and pencils, insulating applications, paper coating, and automotive, floor and shoe polishes.

- 13
- ▲ 16 through 19

Paint Chemicals

Industrial solvents and chemicals used in manufacturing paints, lacquers and thinners. Available in bulk, 55-gallon drums and smaller containers.

- ▲ 32 - 11 - 12

Phthalic Anhydride

A widely used intermediate for plasticizers, polyesters, alkyds, dyestuffs and pharmaceuticals. Available as a molten liquid in bulk tank trucks and rail tank cars and as white flaked solid in 80-pound multiwall bags.

- 1 - 10
- ▲ 2 - 3 - 4 - 5 - 11 - 12

Plastic Office Supplies

Products for the office supply industry including sheet protectors, report covers, presentation binders, photo albums, desk sets and accessories.

- 20
- ▲ 21

Plasticizers

Adipates

The adipates are primary plasticizers used with a wide variety of resins. Excellent permanence and low temperature properties are imparted to adipate-plasticized polyvinyl chloride compounds. In addition, plastisols prepared with adipates give exceptionally low initial and stable long-term viscosities. Adipates have good heat and light stability and impart a soft drape to vinyl film. Available in 55-gallon drums and in bulk tank truck and rail tank car lots.

- 1 - 10
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Epoxyes

The epoxidized oils perform as plasticizers and stabilizers in vinyl formulations. Available in 55-gallon drums and in bulk tank truck and rail tank car lots.

- 1
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Esters, Aliphatic

The caprylate-caprate and di-caprate esters are compatible with a wide range of resins. Used as plasticizers for natural and synthetic rubber, they impart excellent low temperature properties to these materials. Available in 55-gallon drums and in bulk tank truck and rail tank car lots.

- 1
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Fumarates

The fumarates are monomeric in nature and are used for copolymerization with such monomers as vinyl acetate, vinyl chloride, styrene and acrylonitrile in manufacturing resins for water-based paints, paper coatings, etc. Available in 55-gallon drums and in bulk tank truck and rail tank car lots.

- 1 - 10
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Isophthalates

The isophthalate esters, used in vinyl compounds, lend outstanding durability to nitrocellulose-lacquered surfaces. Available in 55-gallon drums and in bulk tank truck and rail tank car lots.

- 1 - 10
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Maleates

The maleates are monomeric in nature and are used for copolymerization with monomers such as vinyl acetate, vinyl chloride, styrene and acrylonitrile in manufacturing resins for water-based paints and paper coatings. Available in 55-gallon drums and in bulk tank truck and rail tank car.

- 1 - 10
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Plasticizers (continued)**Phthalates**

A wide range of primary phthalate plasticizers are available. Dimethyl and diethyl phthalates are used in adhesives and in plasticizing cellulose acetate. Di-isobutyl, dibutyl and dicyclohexyl phthalates are used in adhesives, lacquers, emulsions, heat-sealing paper coatings and in cellophane. Di-isohexyl, butyl benzyl, butyl octyl and butyl decyl are fast fluxing and high solvating vinyl chloride plasticizers. The octyl and decyl phthalates are the general purpose plasticizers for polyvinyl chloride and offer optimum performance at low cost in film, sheeting, extrusions and plastisols. N-octyl-decyl, 610 and 810 phthalates as vinyl plasticizers provide good low-temperature flexibility. Isodecyl, tri-decyl and di-tri-decyl phthalates find wide acceptance in high temperature wire compounds. Specialty phthalate plasticizers are offered for specific end use requirements. Available in 55-gallon drums and in bulk tank car and tank wagon lots.

- 1 - 10
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Plasticizers, Low Temperature

Functional plasticizers imparting a specific end result in vinyl and other resin formulations. Available in 55-gallon drums and in bulk tank truck and rail tank car lots.

- 1 - 10
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Plasticizers, Polymeric

The polymeric plasticizers are specialty products providing permanence and oil- and hexane-resistance in finished compounds.

- 1
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Plasticizers, Secondary

Secondary plasticizers are used in vinyl formulations as low cost extenders of the primary type. Often they impart specially desired end use properties. Available in 55-gallon drums and in bulk tank truck and rail tank car lots.

- 1
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Plasticizers, Semi-Polymeric

These products provide a range of properties to various resin formulations between those obtained with the primaries and the higher priced true polymeric. Available in 55-gallon drums and in tank truck and rail tank car lots.

- 1
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Plasticizers, Specialty

Plasticizers, e.g. glyceryl triacetate, HATCOL 332, HATCOL 334, for specialized end use applications with natural, synthetic, and chlorinated rubbers and with cellulose and other natural and synthetic resins. Available in 55-gallon drums and in tank truck and rail tank car lots.

- 1 - 10
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Sebacates

The sebacates are primary plasticizers used with a variety of resins. The octyl sebacates are excellent low temperature vinyl plasticizers and synthetic lubricants. Available in 55-gallon drums and in bulk tank truck and rail tank car lots.

- 1 - 10
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Trimellitates

Trimellitates find wide application in formulating high temperature vinyl wire compounds and are available in 55-gallon drums and in bulk tank truck and rail tank car lots.

- 1
- ▲ 2 - 3 - 4 - 5 - 11 - 12 - 32

Polyester Resins

With glass fiber reinforcement, the polyesters find wide application in the automotive, marine, construction and related industries. Application properties and resistance to impact and chemical attack can be varied to specific requirements. Available in 55-gallon drums, 5-gallon pails and in bulk tank truck lots.

- 14 - 15
- ▲ 16 - 17 - 18 - 19 - 32 - 33

Polyesters, Fire Retardant

Specialty polyester formulations which retard combustion when exposed to open flame. Available in 55-gallon drums, in 5-gallon pails and in bulk tank truck lots.

- 14 - 15
- ▲ 16 - 17 - 18 - 19 - 32 - 33

Polyglycols

Sorbitol for use in toothpaste, pharmaceuticals, cosmetics, confectioneries and other food products. Available in both crystallizing and non-crystallizing grades.

- 10
- ▲ 11 - 12

Polymerization Initiators or Activators

Organic and inorganic peroxide and persulfate salts used in reinforced plastics and synthetic resin manufacture. Available in 100 lb. drums and smaller containers.

▲ 11 - 12

Polymerized Fatty Acids

Polymerized vegetable fatty acids are used in demulsifiers and inhibitors. Available in 400-pound drums and in bulk tank truck and rail tank car lots.

● 1
▲ 2 - 3 - 4 - 5

Polyurethane Foam

Equipment and materials for manufacturing polyurethane foam in place. Principally used in insulating and caulking new home construction, and marine application for flotation purposes.

▲ 32 - 33

Rigid PVC Lubricant

HATCOL 340 Rigid PVC Lubricant is used in the fabrication of rigid PVC products such as calendered sheet, extruded pipe, electrical conduit and molded fittings and housings.

● 1
▲ 2 - 3 - 4 - 5

Rigid Vinyl Films

Decorative rigid and semi-rigid vinyl films used as laminates on a variety of substrates for construction materials* and other applications.

● 8
▲ 9

Sebacic Acid, C-16 DiBasic Acid

Solid, prilled sebacic acid is used in cosmetics, nylon 6-10 and in low temperature plasticizers. Both CP and purified grades are available in 50-pound multiwall bags.

● 1
▲ 2 - 3 - 4 - 5 - 11 - 12

Solvents

A wide range of aromatic and aliphatic solvents. These find wide use in paint and lacquer thinners, as metal degreasers, and as dry-cleaning solvents. Available in 55-gallon drums, smaller containers and bulk tank truck lots.

▲ 32

*See additional product listing under "Construction Materials", page 48.

Synthetic Waxes

A wide range of petroleum-based and other synthetic waxes. Specialty blends and natural wax substitutes for every purpose.

● 13
▲ 16 through 19

Titanium Dioxide

Inorganic white pigment. Available in 50-lb. multiwall bags.

▲ 11 - 12

Vinyl Compounds

Series of proprietary products for use in rigid and flexible vinyl fabrications, such as wire and cable, footwear, building and construction materials, food and beverage packaging, medical and surgical supplies, household and molded products, automotive toys. Available as pellets or powder blend in 50-lb. multiwall bags and larger sized unitized containers.

● 8
▲ 2 - 3 - 4 - 5 - 9

Vinyl Film and Sheet

Both supported and unsupported vinyl film and sheet are used as furniture covering, vinyl flooring, roofing, mattress covers, window shades, auto seat covers, shower curtains and outerwear. Materials are styled to consumer requirements and produced in rolls up to 72 inches wide.

● 8 - 9 - 22 - 23
▲ 7 - 9 - 24 - 25 - 26 - 27 - 28 - 29 - 30

Vinyl Film, Supported

Rolls, up to 72 inches wide, of flexible vinyl film laminated to cotton, nylon and other materials to form a reinforced decorative vinyl fabric used in furniture covering, luggage, auto seat covers and juvenile products.

● 6 - 22 - 23
▲ 7 - 24 - 25 - 26 - 27 - 28 - 29 - 30

Vinyl Film, Unsupported

Rolls, up to 72 inches wide, of flexible and rigid vinyl films, which are laminated to various substrates for use as construction material, window shade fabric, shower curtains and other consumer products. An excellent vehicle for styling through embossing and printing.

● 6 - 8
▲ 7 - 9

Industrial Chemicals Group

GRACE

DAVISON CHEMICAL DIVISION

Manufactures and markets industrial chemical products including petroleum cracking catalysts, industrial and custom catalysts and catalyst supports, RANEY nickel catalysts, fine-sized silicas, industrial adsorbents including silica gel and molecular sieves, packaging desiccants and rare earths.

Headquarters Office

101 North Charles Street
Baltimore, Maryland 21203
(301) 727-3900

● Plants

UNITED STATES

1 LOUISIANA, Lake Charles
(70604)
P. O. Box BB
(318) 527-5228

2 MARYLAND, Baltimore
(21226)
Curtis Bay Plant
(301) 355-4900

3 NEW JERSEY, Pompton Plains
(07444)
P. O. Box 188
(201) 835-3060

4 NEW MEXICO, Gallup (87301)
Route 666 North of Gallup
P. O. Box 506
(505) 863-6001

5 OHIO, Cincinnati (45229)
4775 Paddock Road
(513) 242-3312

6 TENNESSEE, Chattanooga
(37406)
4000 N. Hawthorne St.
(615) 698-3461

7 TENNESSEE, South Pittsburg
(37380)
3rd St. and Railroad Ave.
(615) 837-6778

CANADA

8 QUEBEC, Valleyfield
42 Fabre St.
(514) 373-4224

▲ Sales Offices

UNITED STATES

9 CALIFORNIA, San Francisco
(94114)
2 Pine St.
(415) 781-7530

10 MARYLAND, Baltimore
(21203)
101 N. Charles St.
(301) 727-3900

11 NEW JERSEY, Pompton Plains
(07444)
P. O. Box 188
(201) 835-3060

12 TENNESSEE, Chattanooga
(37406)
4000 North Hawthorne St.
(615) 698-3461

13 TENNESSEE, Chattanooga
(37402)
819 Hamilton National Bank
Bldg.
(615) 266-8616

14 TEXAS, Houston (77004)
4101 San Jacinto
(713) 528-1456

CANADA

15 ALBERTA, Calgary
1011 17th Ave., S.W.
(403) 244-8467

16 ONTARIO, Toronto
347 Bay St.
(416) 364-9272

PRODUCTS

Industrial and Specialty Catalysts

A broad range of catalysts for the chemical and petrochemical industries including those specifically manufactured for processes such as oxidation, hydrogenation, dehydration, alkylation and esterification, as well as custom and prescription catalysts which utilize as active agents all base- or precious-metal salts; catalyst supports including silica gel.

- 2 - 5 - 7
- ▲ 9 - 10 - 12 - 14 - 16

Molecular Sieves

Crystalline forms of sodium and calcium aluminosilicates offering unique desiccant and selective separation properties. Used for drying and purifying gases, drying liquids, the separation of hydrocarbons and in the manufacture of catalysts. Four basic types of molecular sieves manufactured by Davison are the 3 A, 4 A, 5 A and 13 X types. Each type is available in bead form with mesh sizes of 4-8, 8-12 and 20-50 mesh (U. S. Standard Sieves). Special grades of molecular sieves available include those for refrigeration, acid-resistant requirements, moisture-indicating types and an exceptionally high-capacity grade.

- 2
- ▲ 10 - 14 - 15 - 16

Mullite Pellets

Chemically inert, thermally fused spheres of combined alumina and silica used to support catalyst beds, to assist in uniform distribution of reactant flow and to serve as a diluent for catalysts.

- ▲ 9 - 10 - 14 - 15 - 16

Packaging Desiccants and Air Dryers

Packaging Desiccants include a number of adsorbents in small bag sizes for moisture protection of military gear, electrical and electronic devices, precision instruments and pharmaceutical products. PROTEK-SORB Packaging Desiccants are qualified under appropriate U. S. Government military specifications for use in providing dependable protection against moisture damage.

Air Dryers are used for protection of cameras, sporting goods, fishing tackle, and other moisture-sensitive objects in the laboratory, home, car and on board small boats. Available in two convenient sizes, Air Dryers can be reused indefinitely if regenerated according to directions on the package.

- 2 - 4
- ▲ 10 and by distributors located throughout the continental United States and Canada.

Petroleum Catalysts

Fluid cracking catalysts, including High Alumina (25%) for high activity and selectivity and Low Alumina (13%) for medium-range operations; Semi-Synthetic, a lower activity, clay-included catalyst for low conversion operations; SM-30 (silica-magnesia), an extremely active catalyst for the production of maxi-

mum yields of gasoline and light cycle oil; Zeolite catalysts, new ultra-stable, high-activity catalysts more selective with regard to coke and gasoline than any other catalysts.

Zeolite catalysts include:

XZ-15—the petroleum industry's first fluid zeolite catalyst employing the first ultra-stable type molecular sieve to be used in catalytic cracking.

XZ-25—the most economical catalyst available for providing improved gasoline yields, coke and gas selectivity. Now the standard of the industry, XZ-25 increases unit capacity and reduces catalyst usage.

XZ-25 PLUS—premium quality product providing very high activity and conversion of petroleum feed stocks.

XZ-36—an all-new fluid cracking catalyst with an advanced matrix structural design and a high molecular-sieve content. XZ-36 provides especially high fresh activity, proven stability and longer sieve life.

- 1 - 2 - 5 - 8
- ▲ 9 - 10 - 14 - 15 - 16

RANEY Active Catalysts and Catalyst Alloys

Highly active, finely-divided metal catalysts used in a great variety of hydrogenation, reduction and amination processes. In addition to the basic nickel compositions, Raney catalysts are also available in cobalt, copper and silver forms as well as others on special order. Finely divided alloy powders and granular materials are available for activation in your laboratory or plant.

- 7
- ▲ 10 - 12 - 14

Rare Earths and Thorium Chemicals

Available in both technical and high-purity grades for industrial applications such as glass polishing, carbon-arc electrodes, ceramics, metallurgical additives, gas mantles and nuclear systems.

- 3 - 6
- ▲ 11 - 13

Silica Gel

An amorphous, extremely porous form of silica having the appearance of clear rock salt. Widely used as a selective adsorbent for gases and liquids, as a catalyst support, and as a desiccant for laboratory and research uses and for general applications. Specific applications include natural gas drying, treatment of feed streams for the chemical and petrochemical industries, removal of contaminants, as a desiccant in insulating glass windows, and as a drying and purifying agent for refrigerant systems, particularly air conditioning.

- 2
- ▲ 9 - 10 - 14 - 15 - 16 and by distributors located throughout the continental United States and Canada.

STABIFIX Silica Gel Beer Stabilizer

A finely divided amorphous silica gel for clarification and stabilization of beer through the removal of specific protein fractions.

- 2
- ▲ 10

SYLOID Micron-Sized Silicas

White, amorphous, finely-divided silica gel powders used for flattening and anti-blocking of industrial paints, lacquers, plastic sheeting and film. Also used for specialty and reproduction paper coatings; moisture protection of metallic paints; anti-caking agents for foods, feeds and pharmaceuticals. Available in a variety of high purity and surface-treated grades.

- 2-5
- ▲ 10 Sold primarily by distributors located throughout the continental United States, Canada and Mexico.

Industrial Chemicals Group

GRACE

DEWEY AND ALMY CHEMICAL DIVISION

Manufactures and markets a broad line of industrial chemical specialties including container sealing compounds, construction and building maintenance materials, organic chemicals, polymer-fiber materials, graphic arts products and vermiculite products.

Headquarters Office

62 Whittemore Avenue
Cambridge, Massachusetts 02140
(617) 876-1400

● Plants

UNITED STATES

- | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1 ARIZONA, Phoenix (85031)
4220 West Glenrosa
P.O. Box 14279
(602) 272-6663 | 8 CALIFORNIA, San Francisco (94107)
550 Third Street
(415) GA 1-2937 | 17 GEORGIA, Atlanta (30336)
5225 Philip Lee Drive
(404) 344-8622 |
| 2 ARKANSAS, No. Little Rock (72114)
P.O. Box 294
(501) 945-1678 | 9 CALIFORNIA, San Leandro (94577)
2140 Davis Street
(415) LO 8-3427 | 18 GEORGIA, Atlanta (30306)
1167 Zonolite Place, N.E.
P.O. Box 8127, Station F
(404) 876-3681 |
| 3 CALIFORNIA, Huntington Park (90256)
6069 Maywood Avenue
(213) 589-6281 | 10 CALIFORNIA, Vernon (90058)
4400 District Boulevard
(213) 581-8683 | 19 GEORGIA, Atlanta (30318)
520 Permalume Place, N.W.
(404) 355-4739 |
| 4 CALIFORNIA, Los Angeles (90041)
California Zonolite Co.
758 Colorado Boulevard
P.O. Box 41077
(213) 254-5193 | 11 COLORADO, Denver (80223)
111 South Navajo Street
(303) 744-2746 | 20 GEORGIA, Brunswick (31520)
P.O. Box 130
(912) 265-6900 |
| 5 CALIFORNIA, Los Angeles (90022)
7237 East Gage Avenue
(213) 927-1461 | 12 FLORIDA, Boca Raton (33432)
1555 N.W. First Avenue
(305) 395-2424 | 21 GEORGIA, Chamblee (30005)
5238 Peachtree Road N.E.
(404) 457-5261 |
| 6 CALIFORNIA, Modesto (95353)
416 Hosmer Street
(209) 529-6210 | 13 FLORIDA, Boca Raton (33432)
Industrial Boulevard
P.O. Box 67
(305) 395-3103 | 22 ILLINOIS, Chicago (60608)
2512 West 24th Street
(312) 247-5600 |
| 7 CALIFORNIA, Newark (94560)
California Zonolite Co.
6851 Smith Avenue
P.O. Box 217
(415) 793-9111 | 14 FLORIDA, Hialeah (33010)
1050 S.E. 5th Street
(305) 885-2441 | 23 ILLINOIS, Chicago (60638)
6050 West 51st Street
(312) 767-3223 |
| | 15 FLORIDA, Jacksonville (32202)
1530 East Adams Street
(904) 355-8431 | 24 ILLINOIS, Chicago (60638)
6051 West 65th Street
(312) 586-2627 |
| | 16 FLORIDA, Tampa (33605)
35th and 3rd Avenue
P.O. Box 5047 Ybor Station
(813) 248-1554 | 25 ILLINOIS, Chicago (60638)
6051 West 65th Street
(312) 767-4282 |
| | | 26 ILLINOIS, Chicago (60643)
12300 South Ashland Avenue
(312) FU 9-4900 |

● Plants (continued)

- 27 KANSAS, Wichita (67214)**
616 Pennsylvania
(316) FO 3-6551
- 28 KENTUCKY, Owensboro (42301)**
Route 60 East, P.O. Box 61
(502) 683-1561
- 29 KENTUCKY, Wilders, Newport (41701)**
112 North Street
(606) 291-3500
- 30 LOUISIANA, New Orleans (70121)**
P.O. Box 10262
(504) 834-5817
- 31 MARYLAND, Beltsville (20705)**
P.O. Box 347
(301) 474-8200
- 32 MASSACHUSETTS, Acton (01720)**
RFD #1, P.O. Box 263
(617) 897-2905
- 33 MASSACHUSETTS, Adams (01220)**
Harmony Street
(413) 743-0546
- 34 MASSACHUSETTS, Cambridge (02140)**
62 Whittemore Avenue
(617) 876-1400
- 35 MASSACHUSETTS, Easthampton (01027)**
P.O. Box 112
(413) 527-1890
- 36 MASSACHUSETTS, Marlboro (01752)**
33 Hayes Memorial Drive
(617) 481-0900
- 37 MICHIGAN, Dearborn (48120)**
14300 Henn Avenue
(313) 846-1010
- 38 MINNESOTA, Minneapolis (55422)**
4725 Olson Highway
(612) 645-0481
- 39 MINNESOTA, Minneapolis (55418)**
660 19th Avenue N.E.
(612) 789-3539
- 40 MISSOURI, St. Louis (63110)**
1705 Sulphur Avenue
(314) 645-8786
- 41 MONTANA, Libby (59923)**
P.O. Box 607
(406) 293-4131
- 42 NEBRASKA, Omaha (68107)**
3520 "I" Street
(402) 731-3662
- 43 NEW JERSEY, North Bergen (07047)**
2133 85th Street
(New Jersey) (201) UN 9-5220
(New York) (212) LO 4-1747
- 44 NEW JERSEY, Trenton (08607)**
336 Whitehead Road
P.O. Box 2124
(609) 587-2571
- 45 NEW YORK, Long Island City (11101)**
21-24 39th Avenue
(212) 392-5300
- 46 NEW YORK, Weedsport (13166)**
P.O. Box 310
(315) 834-5711
- 47 NORTH CAROLINA, High Point (27260)**
1701 Prospect St. Ext.
P.O. Box 1308
(919) 888-9978
- 48 OHIO, Cleveland (44112)**
1125 West 11th Street
(216) MAin 1-3517
- 49 OREGON, Portland (97227)**
Vermiculite Northwest Inc.
2303 North Harding Street
(503) AT 8-5195
- 50 PENNSYLVANIA, Ellwood City (16117)**
12th St. & Factory Ave.
(412) 758-5548
- 51 PENNSYLVANIA, New Castle (16102)**
202 East Cherry Street
P.O. Box 1207
(412) 654-7721
- 52 PENNSYLVANIA, Quakertown (18951)**
45 N. Fourth Street
(215) 536-4600
- 53 SOUTH CAROLINA, Enoree (29335)**
(803) 495-3353
- 54 TENNESSEE, Nashville (37206)**
4061 Powell Ave.
(615) 242-5496
- 55 TEXAS, Houston (77008)**
611 West 22nd Street
(713) UN 4-5170
- 56 TEXAS, Houston (77001)**
4323 Crites Street
(713) FA 3-8354
- 57 WASHINGTON, Auburn (98002)**
P.O. Box A
(206) 852-5725
- 58 WASHINGTON, Spokane (99201)**
Vermiculite Northwest Inc.
North 1318 Maple Street
(509) FAirfax 5-2541
- 59 WISCONSIN, Milwaukee (53208)**
900 North 43rd Street
(414) 344-6867
- CANADA**
- 60 ALBERTA, Edmonton**
14810 123rd Avenue
(403) 455-9161
- 61 ONTARIO, Scarborough**
66 Hymus Road
(416) PL 9-4461
- 62 QUEBEC, Montreal, LaSalle**
255 Lafleur Avenue
(514) 366-3070
- PUERTO RICO**
- 63 RIO PIEDRAS**
Insular Highway 845, km. 0.5.
Cupey Bajo
767-7131

▲ Sales Offices

UNITED STATES

- 64** ARIZONA, Phoenix (85031)
4220 West Glenrosa
P.O. Box 14279
(602) 272-8863
- 65** ARKANSAS, No. Little Rock
(72114)
P.O. Box 294
(501) 945-1678
- 66** CALIFORNIA, Burlingame
(94010)
1141 California Drive
(415) 342-9038
- 67** CALIFORNIA,
Huntington Park (90256)
6069 Maywood Avenue
(213) 589-8281
- 68** CALIFORNIA, Los Angeles
(90041)
758 Colorado Boulevard
(213) 254-5193
- 69** CALIFORNIA, Los Angeles
(90041)
California Zonolite Co.
758 Colorado Boulevard
P.O. Box 41077
(213) 254-5193
- 70** CALIFORNIA, Los Angeles
(90022)
7237 East Gage Avenue
(213) 927-1461
- 71** CALIFORNIA, Newark (94560)
California Zonolite Co.
6851 Smith Avenue
P.O. Box 217
(415) 793-9111
- 72** CALIFORNIA, San Francisco
(94107)
550 Third Street
(415) GA 1-2937
- 73** CALIFORNIA, San Leandro
(94577)
2140 Davis Street
(415) LO 8-3427
- 74** COLORADO, Denver (80216)
P.O. Box 5023 Terminal Annex
(303) 388-4625
- 75** COLORADO, Denver (80223)
111 South Navajo Street
(303) 744-2746
- 76** DISTRICT OF COLUMBIA,
Washington (20005)
910 Brentwood Road, N.E.
(202) 338-8224
- 77** FLORIDA, Boca Raton (33432)
1555 N.W. First Avenue
(305) 395-2424
- 78** FLORIDA, Boca Raton (33432)
Industrial Boulevard
P.O. Box 67
(305) 395-3103
- 79** FLORIDA, Clearwater (33516)
1828 Audubon Drive
(813) 446-7565
- 80** FLORIDA, Hialeah (33010)
1050 S.E. 5th Street
(305) 885-2441
- 81** FLORIDA, Jacksonville (32202)
1530 East Adams Street
(305) 355-8431
- 82** FLORIDA, Tampa (33605)
35th and 3rd Avenue
P.O. Box 5047 Ybor Station
(813) 248-1554
- 83** GEORGIA, Atlanta (30336)
5225 Philip Lee Drive
(404) 344-8622
- 84** GEORGIA, Atlanta (30306)
1167 Zonolite Place, N.E.
P.O. Box 8127, Station F
(404) 876-3881
- 85** GEORGIA, Atlanta (30318)
520 Permalume Place, N.W.
(404) 355-4739
- 86** GEORGIA, Brunswick (31520)
P.O. Box 130
(912) 265-6900
- 87** GEORGIA, Chamblee (30005)
5238 Peachtree Road N.E.
(404) 457-5261
- 88** ILLINOIS, Chicago (60608)
2512 West 24th Street
(312) 247-5600
- 89** ILLINOIS, Chicago (60638)
6050 West 51st Street
(312) 767-3223
- 90** ILLINOIS, Chicago (60638)
6051 West 65th Street
(312) 598-2627
- 91** ILLINOIS, Chicago (60638)
6051 West 65th Street
(312) 767-4282
- 92** ILLINOIS, Chicago (60654)
Merchandise Mart Plaza
(312) 527-5700
- 93** ILLINOIS, Chicago, (60643)
12300 South Ashland Avenue
(312) FU 9-4900
- 94** KANSAS, Wichita (67214)
616 Pennsylvania
(316) FO 3-6551
- 95** KENTUCKY, Wilders, Newport
(41701)
112 North Street
(606) 291-3500
- 96** LOUISIANA, New Orleans
(70121)
P.O. Box 10262
(504) 834-5817
- 97** MARYLAND, Baltimore
(21202)
414 Water Street
(301) 752-6656
- 98** MARYLAND, Beltsville
(20705)
P. O. Box 347
(301) 474-8200
- 99** MASSACHUSETTS, Cambridge
(02140)
62 Whittemore Avenue
(617) 876-1400
- 100** MASSACHUSETTS,
Easthampton (01027)
P. O. Box 112
(413) 527-1890
- 101** MASSACHUSETTS, Marlboro
(01752)
33 Hayes Memorial Drive
(617) 481-0900
- 102** MICHIGAN, Dearborn (48120)
14300 Henn Avenue
(313) 846-1010
- 103** MICHIGAN, Pontiac (48054)
4500 Pontiac Lake Road
(313) 674-0028

▲ Sales Offices (continued)

- 104** MICHIGAN, Southfield (48075)
30524 Southfield, Apt. 219
(313) 642-8923
- 105** MINNESOTA, Minneapolis (55422)
4725 Olson Highway
(612) 545-0481
- 106** MINNESOTA, Minneapolis (55418)
660 19th Avenue, N.E.
(612) 789-3539
- 107** MINNESOTA, St. Paul (55104)
1793 Selby Avenue
(612) 645-5309
- 108** MINNESOTA, St. Paul (55104)
1282 University Avenue
(612) 646-4216
- 109** MISSOURI, St. Louis (63103)
2226 Olive Street
(314) 421-4647
- 110** MISSOURI, St. Louis (63110)
1705 Sulphur Avenue
(314) 645-8786
- 111** NEBRASKA, Omaha (68107)
3520 "I" Street
(402) 731-3662
- 112** NEW JERSEY, Chatham (07928)
323 Main Street
(201) 635-6280
- 113** NEW JERSEY, Ho-Ho-Kus (07423)
400 Hollywood Avenue
(201) 445-3626
- 114** NEW JERSEY, North Bergen (07047)
2133 85th Street
(New Jersey) (201) UN 9-5220
(New York) (212) LO 4-1747
- 115** NEW JERSEY, Ramsey (07446)
32 Finch Street
(201) 327-1809
- 116** NEW JERSEY, Trenton (08607)
336 Whitehead Road
P. O. Box 2124
(609) 587-2570
- 117** NEW YORK, Long Island City (11101)
21-24 39th Avenue
(212) 392-5300
- 118** NEW YORK, New York (10017)
122 East 42nd Street
(212) MO 1-3085
- 119** NEW YORK, Weedsport (13166)
P. O. Box 310
(315) 834-5711
- 120** NORTH CAROLINA, Charlotte (28209)
215 Manning Drive
(704) 525-0327
- 121** NORTH CAROLINA, High Point (27260)
1701 Prospect St. Ext.
P. O. Box 1308
(919) 888-9978
- 122** OHIO, Cincinnati (45208)
3164 Linwood Road
(513) 871-6162
- 123** OHIO, Cincinnati (45236)
4157 Hunt Road
(513) 793-6131
- 124** OHIO, Cleveland (44112)
1125 West 11th Street
(216) MA 1-3517
- 125** OHIO, Cleveland (Lakewood) (44107)
14620 Detroit Avenue
(216) 221-2249
- 126** OREGON, Portland (97227)
Vermiculite Northwest Inc.
2303 North Harding Street
(503) AT 8-5195
- 127** OREGON, Portland (97210)
3215 N.W. Yeon Avenue
(503) 222-4289
- 128** PENNSYLVANIA, Ellwood City (16117)
12th St. & Factory Ave.
(412) 758-5548
- 129** PENNSYLVANIA, New Castle (16102)
202 East Cherry Street
P. O. Box 1207
(412) 654-7721
- 130** PENNSYLVANIA, Philadelphia (19107)
919 Walnut Street
(215) 822-2278
- 131** PENNSYLVANIA, Quakertown (18951)
45 N. Fourth Street
(215) 536-4800
- 132** SOUTH CAROLINA, Traveler's Rest (29690)
P. O. Box 217
(803) 834-4144
- 133** TENNESSEE, Nashville (37206)
4061 Powell Avenue
(615) 242-5496
- 134** TENNESSEE, Nashville (37205)
200 Woodmont Circle
(615) 297-2713
- 135** TEXAS, Dallas (75247)
3200 Irving Boulevard
(214) ME 1-7210
- 136** TEXAS, Houston (77008)
611 West 22nd Street
(713) UN 4-5170
- 137** TEXAS, Houston (77001)
4323 Crites Street
(713) FA 3-8354
- 138** UTAH, Salt Lake City (84121)
1346 East 6860 South
(801) 255-8331
- 139** WASHINGTON, Auburn (98002)
P. O. Box A
(206) 852-5725
- 140** WASHINGTON, Auburn (98002)
Vermiculite Northwest Inc.
P. O. Box A
(206) 852-5725
- 141** WASHINGTON, Seattle (98125)
11520 Bothell Way N.E.
(206) 363-6943
- 142** WASHINGTON, Spokane (99201)
Vermiculite Northwest Inc.
North 1318 Maple Street
(509) FAirfax 5-2541

▲ Sales Offices (continued)

143 WISCONSIN, Milwaukee
(53208)
900 North 43rd Street
(414) 344-6667

144 WISCONSIN, Milwaukee
(53209)
4377 North Teutonia Avenue
(414) 445-0290

CANADA

145 ALBERTA, Calgary
701 Briggs Avenue, S.E.
(403) 273-4147

146 ALBERTA, Edmonton
14810 123rd Avenue
(403) 454-4511

147 BRITISH COLUMBIA,
Prince George
1910-1st Avenue
(604) 564-5044

148 BRITISH COLUMBIA,
Vancouver
1120 Hamilton Street
(604) 682-6544

149 BRITISH COLUMBIA,
Victoria
1545 Shasta Place
(604) 384-0417

150 MANITOBA, Winnipeg
Dubin & Sherwin Road
(204) 786-5681

151 ONTARIO, Oakville
111 Dundas Street
(416) 745-5841

152 ONTARIO, Scarborough
66 Hymus Road
(416) PL 9-4461

153 QUEBEC, Montreal, LaSalle
255 Lafleur Avenue
(514) 366-3362

154 SASKATCHEWAN, Regina
2100 Dewdney Avenue
(306) 569-0891

155 SASKATCHEWAN, Saskatoon
2013 Alberta Avenue
(306) 244-1553

PUERTO RICO

156 HATO REY
Banco Popular Center
Suite 1430
766-6020

■ Zonolite Processing
Distributors' Plants

UNITED STATES

157 HAWAII, Honolulu (96819)
842-A Mapunapuna Street
Tel. 895-105

158 MONTANA, Great Falls
(59401)
Robinson Insulation Co.
1226 North River Drive
P. O. Box 1419
(408) 453-1291

159 NEW MEXICO, Albuquerque
(87107)
Southwest Vermiculite Co.
5119 Edith Boulevard, N.E.
P. O. Box 6302
(505) 845-1633

160 NORTH DAKOTA, Minot
(58401)
Robinson Insulation Co.
626 Fourth Avenue, N.E.
P. O. Box 1782
(701) 24-191

161 OKLAHOMA, Oklahoma City
(73111)
201 North Eastern
P. O. Box 11402
(405) CE 2-2058

162 TEXAS, Dallas (75222)
Texas Vermiculite Company
2651 Manila Road
P. O. Box 6306
(214) ME 7-0900

163 TEXAS, Houston (77008)
Vermiculite Products, Inc.
3025 Maxroy Street
P. O. Box 7327
(713) 864-4457

164 TEXAS, Lubbock (79401)
Southwest Vermiculite Co.
Route 3, Box 191-8
(806) PO 3-1945

165 TEXAS, San Antonio (78204)
Texas Vermiculite Company
354 Blue Star
P. O. Box 9114, Guilbeau Sta.
(512) CA 3-5781

166 UTAH, Salt Lake City (84110)
Vermiculite Intermountain, Inc.
333 West First South
P. O. Box 2396
(801) 328-0117

CANADA

167 ALBERTA, Calgary
Grant Industries, a division of
Eddy Match Company, Ltd.
4030 Eighth Street, S. E.
Box 69, Postal Station "A"
(403) 243-2741

168 ALBERTA, Edmonton
Grant Industries, a division of
Eddy Match Company, Ltd.
P. O. Box 174
(403) 424-5141

169 ALBERTA, Lethbridge
Grant Industries, a division of
Eddy Match Company, Ltd.
P. O. Box 1104
(403) 327-8568

170 BRITISH COLUMBIA,
Vancouver
Grant Industries, a division of
Eddy Match Company, Ltd.
476 Industrial Avenue
(604) 684-2267

171 BRITISH COLUMBIA,
Vancouver
Grant Industries, a division of
Eddy Match Company, Ltd.
1075 Melville Street
(604) 683-6831

172 MANITOBA, Winnipeg
Grant Industries, a division of
Eddy Match Company, Ltd.
760 Wall Street
(204) 722-2561

173 ONTARIO, St. Thomas
F. Hyde & Company, Ltd.
94 Woodworth Avenue
(519) ME 1-8790

174 ONTARIO, Toronto
Grant Industries, a division of
Eddy Match Company, Ltd.
24 Coronet Road
(416) 239-8191

AUTOMOTIVE PRODUCTS

Battery plate separators, glass fiber mats, wetting agents, battery dry charge process equipment and specialty papers.

PRODUCTS

DARAK-ARMORCOAT-ARMORIS Battery Separators

Impregnated fiber insulators used to separate positive and negative plates in automotive storage batteries. Available with glass fiber mats attached for heavy duty usage. Packaged in corrugated cartons, approximately 2,000 per carton.

- 28 - 32 - 62
- ▲ 73 - 99 - 104 - 115 - 153

Glass Fiber Mats

Distributed to the battery industry. Used between separators and plates in industrial storage batteries. Cut to size and packaged in cartons to customer specifications.

- ▲ 73 - 99 - 104 - 115 - 153

Hurricane Battery Dry Charge Process Equipment

High speed drying equipment for processing separators and plates before placement in dry charge batteries. Manufactured to customer specifications.

- 34
- ▲ 73 - 99 - 104 - 115 - 153

Specialty Papers

Saturating papers and other low and medium density papers. Used as a base material for latex, phenolic, glue-glycerine and other impregnations. Latex beater-addition papers also available. Grades, basis weights, thickness, colors and widths vary with customer requirements. Packaged in rolls.

- 28
- ▲ 99

Wetting Agents

Used by battery manufacturers to pre-wet plate separators in dry charge automotive storage batteries. Reduce surface tension and improve circulation of battery acid between the plates. Packaged in 5-gallon pails and 55-gallon drums.

- 28 - 32 - 62
- ▲ 73 - 99 - 104 - 115 - 153

CONSTRUCTION MATERIALS

Specialty products for construction and building maintenance.

DAREX CONCRETE PRODUCTS

Accelerating and Retarding Admixtures

Aqueous solutions and dry compounds for controlling the time required for initial set of concrete and mortar.

Air Entraining Admixtures

Aqueous solutions for controlled entrainment of microscopic air bubbles in concrete and mortar to resist damage from freezing and thawing.

Colorants

Finely dispersed pigments and paste for integral mixing in concrete and mortar.

Densifiers and Water Repellents

Stearate and modified salt solutions for reduction of capillary absorption in cured concrete and mortar.

Water Reducing Admixtures

Catalyzed dispersing agents for reduction of water/cement ratios in concrete and mortar to increase compressive strengths.

- 5 - 9 - 23 - 24 - 34 - 60 - 61
- ▲ 78 - 72 - 74 - 76 - 83 - 99 - 99
- 103 - 107 - 114 - 122 - 127 - 135 - 137
- 139 - 145 - 148 - 148 - 148 - 150 - 152
- 153 - 154 - 155

HORN BUILDING PRODUCTS

Adhesives and Bonding Agents

Resin, latex and polysulfide compounds for masonry patching and resurfacing, for plaster bonding and for surface bonding of concrete, toppings and aggregates.

Caulks and Sealants

Acrylic, polysulfide, rubber and oil base compounds for weatherproofing of masonry, metal, stone, wood and glass in expansion, curtain wall and other construction joints.

Floor Materials

Products to maintain, protect and repair masonry surfaces. Includes hardeners, toppings, coloring agents, sealers, anti-corrosion treatments, patching compounds and fabrics, cleaners, conditioners and special grouts for tile, terrazzo and machinery bases.

Specialty Products

Architectural, construction, and maintenance products related to masonry work. Includes curing, form coating and cleaning compounds; construction equipment and accessories.

Technical Coatings

Oil, silicone, resin, epoxy and vinyl latex formulations for protection of masonry, wood and steel under particularly severe environmental conditions. Products include heat- and acid-resistant coatings, swimming pool coatings and extra-heavy-duty traffic paints.

Waterproofing and Roofing Materials

Complete line of mastic, spray coat and integrally mixed moisture control products. Above and below grade treatments for masonry to increase water resistance; fabrics, mastics and aluminized coatings for built-up roof construction and maintenance.

● 5 - 8 - 24 - 43 - 56 - 61
 ▲ 70 - 72 - 74 - 76 - 83 - 90 - 99
 103 - 107 - 114 - 122 - 127 - 135 - 137
 138 - 145 - 146 - 148 - 149 - 150 - 152
 153 - 154 - 155

ROCK PRODUCTS CHEMICALS**Air Entraining Additives**

Saponified tall oil, sulfonated hydrocarbon and alkyl sulfonate type chemicals for use in manufacturing air entraining portland and masonry cements to give controlled air void systems in mortars and concretes.

Grinding Aids

Lignin and amine acetate compounds for increasing mill through-put and effecting reduction of pack tendencies in portland and other hydraulic cements.

Retarding Additives

Organic formulations for controlling the initial set characteristics of portland and other hydraulic cements.

● 9 - 23 - 34 - 45
 ▲ 73 - 90 - 152

SERVICISED HIGHWAY & HEAVY CONSTRUCTION PRODUCTS**Bridge Products**

Neoprene and laminated neoprene bridge pads and asphalt plank for highway and railroad bridges.

Joint Sealing Compounds

Rubberized asphalt and thermoplastic, two-component polymer and two-component butyl compounds for highway and heavy construction applications.

Premolded Joint Fillers

Cork, asphalt, sponge rubber, neoprene, plastic foam and cane fiber joint filling and back-up materials for expansion, contraction and other construction joints.

Specialty Products

Form coatings and accessories, cures, hardeners and bonding agents for masonry construction and repair.

Waterstops

Rubber, PVC, and neoprene waterstops, fittings and accessories.

● 25 - 43 - 61
 ▲ 70 - 72 - 91 - 114 - 127 - 137
 145 - 150 - 152 - 153

CONTAINER AND CHEMICAL SPECIALTIES

Flowed-in gasketing compounds and high-speed application machinery for hermetically sealing rigid containers such as metal and composite cans, pails and drums and for bottle crowns, jar closures and industrial parts. Container coatings; meteorological balloons; medical and industrial gas absorbents.

CONTAINER PRODUCTS**Aerosol Valve Cup Gasketing Compounds**

Flowed-in, solvent base sealing compounds vulcanized in place to form tough, resilient gaskets that hold high pressures and resist attack by aggressive solvents in the package. Available in 55-gallon drums and 5-gallon pails.

● 23 - 32 - 62
 ▲ 76 - 83 - 89 - 90 - 151 - 153

Can Sealing Compounds

Flowed-in compounds (waterbase or solvent base) that dry or cure into solid, rubbery gaskets. Applied to container ends for hermetic sealing of sanitary packs for food, oil, paints, solvents and other general line products. Available in tank car, tank truck or 55-gallon drums.

● 9 - 17 - 23 - 32 - 34 - 62
 ▲ 73 - 83 - 89 - 90 - 151 - 153

Composite Can Cements

Hot-melt Cements: Used to cement inner liner fold-back and as a butt-joint filleting adhesive. Firmly anchors the structural plies and inner liner and fills the butt-joint with a pack-resistant impermeable barrier. Packaged in paperboard cartons and Leverpaks.

Waterbase Cements: High-strength, high-mileage, rapid-drying adhesives for laminating spiral can body plies, inner liner plies and label stock. Packaged in 55-gallon drums and 5-gallon pails.

● 34

▲ 73 - 83 - 88 - 98 - 151 - 153

Composite Can Label Coating

Pigmented, polyvinylidene chloride, high-barrier coating for composite can label stock. Full range of colors, including metallic hues. Available in pails, drums or tank cars.

● 32

▲ 73 - 83 - 88 - 98 - 151 - 153

Composite Can Sealing Compounds

Flowed-in solvent-base compounds that form solid rubbery gaskets when air-dried or oven-dried. Prevent end seam wicking while insuring a hermetic end seal and increasing abuse resistance. Packaged in 55-gallon drums and 5-gallon pails.

● 9 - 17 - 23 - 32 - 62

▲ 73 - 83 - 88 - 98 - 151 - 153

Compound Application and Drying Equipment

A complete line of automatic and semi-automatic compound applying machines, high velocity drying ovens, convection dryers and compound pumping and conditioning units. Compound applying machines utilize the DAREX "Flowed-in" Process to apply overall or annular gaskets to can ends, closures, crowns, aerosol mounting cups and industrial parts at speeds up to 800 units per minute.

● 34

▲ 73 - 83 - 88 - 98 - 151 - 153

Crown Sealing Compounds

Flowed-in plastisol type compounds that cure to a resilient, foamed-cellular structure similar to that of cork. Used for all types of beverage bottle closures. Particularly effective for sealing the new, easy-open bottle caps and crowns. Available in 55-gallon drums and Leverpaks.

● 9 - 23 - 34 - 62

▲ 73 - 83 - 88 - 98 - 151 - 153

DARACAN Inner Barrier System

Polyvinylidene chloride coatings for composite containers. High barrier coating imparts low MVTR, low gas transmission and greaseproof properties to fiber

can stock, for packaging motor oil, frozen fruits and juices, paint, permanent anti-freeze, shortening and many other products. System includes pre-coat and optional slip-coat.

● 32

▲ 73 - 83 - 88 - 98 - 151 - 153

Dispersing Solvents

Used for dispersing and for diluting solvent-base sealing compounds. Packaged in 55-gallon drums and 5-gallon pails.

● 9 - 17 - 23 - 32 - 62

▲ 73 - 83 - 88 - 98 - 151 - 153

Drawing Emulsions and Drawing Lubricants

Used in sheet metal stamping operations to reduce wear on dies, reduce fracture of metal coatings and prevent excessive heat buildup. Packaged in 5-gallon pails and 15-gallon drums.

● 9 - 23 - 34 - 62

▲ 73 - 83 - 88 - 98 - 151 - 153

Flange Coatings

Solvent-base, waterbase or hot-melt compounds for coating flanges of composite cans. Coating functions as a contact adhesive, strengthens the end seam and seals flange cracks. Packaged in 55-gallon drums and 5-gallon pails.

● 9 - 32 - 34

▲ 73 - 83 - 88 - 98 - 151 - 153

Galvanizing Blanket Crystals

Inorganic chloride crystals used in galvanizing operations. Placed on the surface of molten zinc, crystals melt quickly and form a protective blanket, reducing formation of fumes, spattering of zinc and heat losses. Packaged in Leverpaks.

● 17 - 23 - 24

▲ 73 - 83 - 88 - 98 - 151 - 153

Industrial Gasketing Compounds

Solvent-base, waterbase or plastisol compounds that heat-cure to solid or cellular rubber gaskets which become an integral part of the product and cannot be shaken loose. Used wherever gaskets are required to cushion, contain pressure or form a hermetic seal (automotive fasteners, oil and air filters, knock-out plugs, shock absorbers, electronic components, ammunition, etc.). Packaged in 5-gallon pails, drums and Leverpaks.

● 23 - 32 - 34

▲ 73 - 83 - 88 - 98 - 151 - 153

Jar Cap and Lid Gasketing Compounds

Flowed-in compounds (solvent base or latex type) which are dried or oven-cured to form self-bonding, resilient gaskets. Used for hermetic sealing of non-processed (low temperature) packs, can be vulcanized for high temperature packs or greater solvent resistance. Plastisol types also available for certain processed, non-processed and industrial packs. Packaged in 30-gallon drums.

● 9 - 17 - 23 - 32 - 34 - 62
▲ 73 - 83 - 88 - 89 - 151 - 153

Liquid Fluxes

Soldering fluxes which accelerate the wetting of metal by molten solder. Used for prefluxing or precleaning on can body makers and for hand soldering. Packaged in 5-gallon pails and 55-gallon drums.

● 9 - 34
▲ 73 - 83 - 88 - 89 - 151 - 153

Non-Web Compounds

Used to reduce web formation when sealing compounds are applied by the die-lining process. Packaged in 5-ounce jars and 5-gallon pails.

● 34
▲ 73 - 83 - 88 - 89 - 151 - 153

Organic Solders

Thermoplastic organic cements for sealing side seams of non-processed food and general line cans as a replacement for metallic solder. Allows lithography to cover the can surface in an uninterrupted pattern. Packaged in 50-pound cartons and Leverpaks.

● 34
▲ 73 - 83 - 88 - 89 - 151 - 153

Pail and Drum Sealing Compounds

For end seams of industrial pails and drums, flowed-in waterbase, or solvent base or polyurethane compounds that dry or cure into solid rubbery seals. For removable covers, flowed-in waterbase compounds and plastisols that dry or cure into foamed microcellular gaskets. Packaged in 5-gallon pails and 15-gallon drums.

● 9 - 17 - 23 - 32 - 34 - 62
▲ 73 - 83 - 88 - 89 - 151 - 153

Seam Dopes

Used as a patching material for leaky containers and, under certain conditions, as an end sealant. Packaged in 5-gallon pails and 55-gallon drums.

● 9 - 32 - 34
▲ 73 - 83 - 88 - 89 - 151 - 153

Side Seam Cements

Used to seal side seams of metal containers and spiral seams of composite containers for packs, including

motor oils, frozen foods, frozen concentrates and dry foods. Packaged in 50-pound cartons and 140-pound Leverpaks.

● 34
▲ 73 - 83 - 88 - 89 - 151 - 153

Soldering Crystals

Used by can manufacturers to clean solder rolls on automatic can body makers. Packaged in Leverpaks.

● 9 - 17 - 23 - 34 - 62
▲ 73 - 83 - 88 - 89 - 151 - 153

Thermoplastic Coatings

Wax and resin types used primarily as inner coatings for lead and aluminum collapsible tubes. Also used as heat-sealable protective coatings for paper wrappers. Packaged in 35-pound fiber containers.

● 34
▲ 73 - 83 - 88 - 89 - 151 - 153

Wetting Agents, CANSURFASS

Used to improve performance of waterbase sealing compounds under adverse conditions. Reduces surface tension and allows the compound to spread over oily plate surfaces. Packaged in 5-ounce jars and 5-gallon pails.

● 9 - 23 - 34 - 62
▲ 73 - 83 - 88 - 89 - 151 - 153

BALLOONS

Neoprene latex, one-piece balloons, primarily for meteorological use. Produced for the U.S. Armed Forces, government weather agencies, government and private research groups and private businesses. Packaged to specification.

Captive Balloons and KYTOON Kits-Balloons

Used wherever instruments must be held captive at altitudes under 2,500 feet to carry aerial cameras, emergency radio antennas, air sampling instruments for air pollution studies, survey targets for civil engineering, radio relays and display advertising.

Ceiling Balloons

Standard means of ascertaining cloud ceilings. Burst diameter 2 feet.

Constant Level Balloons

Equipped with automatic valve to stop ascent at a predetermined altitude between 40,000 and 80,000 feet. Inflated diameter up to 35 feet.

Pilot Balloons

Observed telescopically from the ground to determine direction and velocity of winds up to 45,000 feet. Burst diameter 7 feet.

Radar Reflective Balloons

Carry reflective aluminum dipoles inside the skin for accurate radar tracking. Burst diameters range from pilot balloon to sounding balloon size.

Sea Marker Balloons and Other Products

Small balloons floated on water as temporary buoys during tide water oil surveys and off-shore explorations. Balloon inflation kits and related products.

Sounding Balloons

Carry scientific instruments to 140,000 feet for weather forecasting and to gather cosmic ray, solar radiation, aurora, air glow and other data from the upper atmosphere. Burst diameter up to 60 feet.

• 34

▲ 88 - 151 - 153

ABSORBENTS AND CATALYSTS**Gas Absorbents**

A mixture of hydrated lime, sodium hydroxide and potassium hydroxide, of controlled moisture content, processed into porous, coral-like granules. Used in anesthesia machines to remove carbon dioxide from recycling anesthesia systems, in metabolators and in oxygen therapy. Also used in gas purification systems, protective masks and other safety equipment; in industrial processes; and in research for acid gas absorption. Available in 5-gallon pails, 1-gallon cans, Canister Paks and pre-filled plastic cartridges to fit absorbers.

• 34

▲ 73 - 98 - 153 and through distributors to the medical trade throughout the United States and in Canada.

Industrial Catalysts

Catalysts for certain manufacturing processes, such as industrial gas scrubbing, filter systems, etc.

• 34

▲ 73 - 98 - 153

CHEMICAL SPECIALTIES**Shoe Products**

Shoe Cements: natural or synthetic liquid rubber latices, modified by other chemical powders, liquids or solids. Used for counters, combining, folding, box toes, sock linings, and shanks.

Insole material: cellulose fibers impregnated with synthetic rubber and plastic latices.

• 62

▲ 153

Coating Bases

Latex-saturated fiber base for artificial leather coatings. Used for book covers, luggage, jewelry boxes, portable radio cases, etc. Available in a variety of grades, colors, widths and thicknesses.

• 62

▲ 153

ORGANIC CHEMICALS

Polyvinylidene chloride and styrene butadiene latices, vinyl acetate homopolymer and copolymer emulsions, dispersing agents, plasticizers, resins and specialty chemicals used in paints, paper coatings, adhesives, carpets, textiles, plastics, rubber and other applications.

ORGANIC CHEMICALS PRODUCTS**DARAN Paper Coating Latices**

Polyvinylidene chloride (saran) latex for high barrier packaging applications. Forms films which exhibit extreme barrier protection against water, water vapor, grease, oils and gases. Available in drums or in bulk.

• 28 - 32

▲ 73 - 83 - 88 - 89 - 112 - 153

DARATAC Adhesive Emulsions

Polyvinyl acetate emulsions for adhesives, surface coatings, primer sealers and textile and leather finishes. Available in drums or in bulk.

• 28 - 34

▲ 73 - 83 - 88 - 89 - 112 - 153

DAREX Carpet and Textile Latexes

Styrene butadiene latex for use in carpet and textile backings. Available in drums or in bulk.

- 28 - 32
- ▲ 73 - 83 - 88 - 98 - 112 - 153

DAREX Coating Emulsions

Acrylonitrile and styrene butadiene latexes, vinyl acetate, and acrylic emulsions for coatings, saturating, mastics, industrial finishes and specialty products. Available in drums or in bulk.

- 28 - 32 - 34
- ▲ 73 - 83 - 88 - 98 - 112 - 153

DAREX Copolymer Resins

Styrene butadiene copolymer resins marketed in granular form, used to reinforce natural and synthetic rubbers where stiffness, hardness and high abrasion resistance with low specific gravity are required, such as in manufacturing shoe soles, floor tiles, etc. Available in 50-pound bags.

- 32
- ▲ 73 - 83 - 88 - 98 - 112 - 153

DAREX Plasticizers

Dibutyl maleate and dibutyl fumarate. May be copolymerized with many monomers such as vinyl chloride, vinyl acetate, vinylidene chloride and styrene. Available in drums or in bulk.

ride, vinyl acetate, vinylidene chloride and styrene. Available in drums or in bulk.

- 32
- ▲ 73 - 83 - 88 - 98 - 112 - 153

DAREX 66L Pigment Binder

Ultra-micro-particle size polyvinyl acetate pigment binding emulsion for use in paper coatings. Available in drums or in bulk.

- 28 - 39
- ▲ 73 - 83 - 88 - 98 - 112 - 153

DAXAD Dispersing Agents

Effective dispersants designed to produce stable dispersions in water of finely divided insoluble particles. Used in emulsion polymerization processes, pigment dispersions, tanning, water treatment and other industries. Available in 50-pound bags.

- 34
- ▲ 73 - 83 - 88 - 98 - 112 - 153

EVERFLEX Paint Emulsions

Vinyl acetate copolymer emulsions for paints, paper coatings, acoustical tile coatings and specialty industrial finishes. Available in drums or in bulk.

- 28 - 34
- ▲ 73 - 83 - 88 - 98 - 112 - 153

POLYFIBRON

Saturating and other specialty papers; polymer-impregnated fiber bases for paper tapes, artificial leather, and book covers; offset and letterpress printing blankets; textile printing blankets and wet finishing equipment; printing, lithographic and mechanical rollers, printing plate adhesives, rubber plate gum, and molded products.

POLYFIBRON PRODUCTS**POLYFIBRON Coating Bases**

Latex-saturated fiber base for artificial leather coatings. Used for book covers, luggage, handbags, jewelry boxes and portable radio cases. Available in a variety of grades, colors and widths and in thicknesses of .008 inch to .030 inch. Packaged in roll lengths of 200 to 500 yards.

- 62
- ▲ 153

POLYFIBRON Letterpress Packing Blankets

Compressible polymer-fiber material surfaced with rubber or plastic. Used as packing on flatbed and rotary letterpress equipment. Available in six types and in sizes to fit all standard presses. Also cut to customer specifications. Packaged in tubes or flat cartons.

- 33
- ▲ 88

IDEAL Mechanical Rollers

Covering of new and used mechanical rollers with natural and synthetic rubber materials. Used for idler guide, carrier, impression laminating and coating rollers for industries such as paper, textile, steel and tanning.

- 3 - 21 - 22 - 36 - 45
- ▲ 66 - 67 - 79 - 87 - 88 - 87 - 101
- 106 - 109 - 113 - 117 - 120 - 123 - 125
- 130 - 133 - 141 - 144

IDEAL Molded Products

Compounding and molding of synthetic rubber polymers for products which are subjected to high and low temperatures and which require chemical and abrasion resistance.

- 22
- ▲ 66 - 67 - 79 - 87 - 88 - 87 - 101
- 106 - 109 - 113 - 117 - 120 - 123 - 125
- 130 - 133 - 141 - 144

POLYFIBRON Offset Printing Blankets

Unique material of compressible polymer fiber surfaced with flexible rubber. Used on commercial offset presses and duplicators to transfer printed images from the plate cylinder to the paper stock. Available in one piece, or two-piece construction with replaceable face, in all sizes to fit commercial presses and duplicators. Packaged in tubes or to customer specifications.

- 33
- ▲ 99

IDEAL Printing Plate Adhesives

Natural rubber adhesives used to adhere duplicate printing plates to flexographic printing press cylinders.

- 3 - 21 - 22 - 36 - 45
- ▲ 66 - 67 - 79 - 87 - 88 - 97 - 101
- 106 - 109 - 113 - 117 - 120 - 123 - 125
- 130 - 133 - 141 - 144

DAXENE Printing Plate Compound

Thermosetting plastic material used for molding flat-bed or rotary letterpress printing plates. Available in a variety of formulations to produce hard plates for fine line printing—or soft plates for printing on box-board and paperboard. Packaged in 5-gallon pails and 55-gallon drums.

- 33
- ▲ 99

IDEAL Printing and Lithographic Rollers

Covering of new and used rollers for the graphic arts industry. Covering materials include synthetic rubber polymers and plastics. Rollers are used to transfer ink to the printing plate on letterpress and offset printing presses and as pressure rolls on rotogravure printing presses.

- 3 - 21 - 22 - 36 - 45
- ▲ 66 - 67 - 79 - 87 - 88 - 97 - 101
- 106 - 109 - 113 - 117 - 120 - 123 - 125
- 130 - 133 - 141 - 144

IDEAL Rubber Plate Gum

Thermosetting, natural and synthetic rubber materials used for molding typographic and flexographic

duplicate printing plates. Available in a variety of formulations in sheet form. Used extensively in the printing of packaging materials, books and business forms.

- 22
- ▲ 66 - 67 - 79 - 87 - 88 - 97 - 101
- 106 - 109 - 113 - 117 - 120 - 123 - 125
- 130 - 133 - 141 - 144

ENDURA Tape and Specialty Backings

Latex-saturated paper backings for pressure sensitive tapes, waterproof sandpaper and release liners. Available with barrier coats, release coats and bonding coats, singly or in combination. Grades, widths, roll lengths, colors and packaging to customer specifications.

- 52
- ▲ 131

DAREX Textile Finishing Equipment

Automatic washers and dryers used for cleaning and drying textile print blankets. Orbital washers and custom-designed finishing equipment for wet processing of natural and synthetic fabrics.

- 34
- ▲ 99

DAREX Textile Printing Blankets

Roller Printing Blankets: Wide, fabric-and-rubber laminated continuous belts, smooth-surfaced or with embossed surfaces that mechanically entrap excess printing colors.

Screen Printing Blankets: Wide, fabric-and-rubber laminated, continuous, smooth-surfaced belts.

Lapping Blankets: Wide, continuous rubber belts faced on both sides with wool and cotton fabric to cushion high roll pressures exerted during printing operations.

All blankets available in widths and lengths to customer specification.

- 33
- ▲ 99

ZONOLITE

Mines, processes and markets vermiculite and verxite; processes and markets perlite; manufactures and markets polystyrene foam board and related equipment; markets glass fiber insulation. Zonolite's major markets are building construction, agriculture and industry.

ZONOLITE PRODUCTS

Glass Fiber Insulation

Glass fiber insulating blankets with backing of kraft paper or of reflective aluminum. Insulation for walls, floors, attics and lofts. Sold in 200-400 sq. ft. rolls.

- Stocks at 28 distribution stations located throughout the United States.
- ▲ 64 - 65 - 66 - 71 - 75 - 77 - 78
80 - 81 - 82 - 84 - 82 - 83 - 85
86 - 88 - 100 - 102 - 105 - 110 - 111
116 - 119 - 121 - 126 - 128 - 133 - 136
140 - 142 - 143

Perlite

An inert, siliceous volcanic rock that expands when heated to produce a lightweight (3 to 12 lbs./cu. ft.) granular product. Variety of uses includes:

Building Construction: Aggregate for mixing with gypsum or portland cement for lightweight plaster, fireproofing and roof insulation; ingredient in acoustic tile.

Agriculture: Soil conditioner; seed starter; plant propagator.

Industrial Products: Filter aid; cryogenic insulation.

Perlite is available in multiwall paper bags.

- 11 - 14 - 16 - 29 - 31 - 38 - 42
44 - 50 and stocks at additional locations throughout the United States.
- ▲ 65 - 75 - 78 - 80 - 81 - 82 - 84
82 - 83 - 85 - 86 - 88 - 100 - 102
105 - 110 - 111 - 116 - 119 - 121 - 128
143

Polystyrene Molded Foam Board

Plain finish polystyrene molded foam board or laminated with paper or foil or with other decorative covering. Uses include: Insulation for walls, floors and building perimeters; thermal insulation for farm buildings and for metal buildings; insulation for walk-in coolers and freezers; insulation base for plaster; backer board for metal siding; flotation of docks, rafts

and boats; shock absorber in packages; insulation and cushioning in industrial applications. Sold by the board foot in minimum quantities of 1,000 bd. ft.

- 2 - 6 - 10 - 12 - 16 - 27 - 30 - 31
35 - 37 - 40 - 48 - 51 - 55 - 57 - 59
and at additional locations throughout the United States.
- ▲ 64 - 65 - 68 - 69 - 71 - 75 - 77
78 - 80 - 81 - 82 - 84 - 85 - 82
83 - 84 - 85 - 86 - 88 - 100 - 102
105 - 110 - 111 - 116 - 119 - 121 - 124
126 - 128 - 129 - 136 - 138 - 140 - 142
143

Polystyrene Molded Foam Board Manufacturing Equipment
Specialty molding and cutting equipment for the manufacture of polystyrene molded foam board.

- 12
- ▲ 77 - 82

Roof Deck Materials—"Concrete Products"

Mineralized wood fiber material and pre-cast concrete slabs used in building construction as roof-deck material for steel or concrete framed buildings. 1) Structural wood fiber roof slabs. (Acoustical and insulation properties.) PERMADECK tile in size 1"x32"x96" and PERMADECK plank in sizes 1"x2"x32"x96"; 2½"x32"x96"; 3"x32"x96". Other sizes available on special order. Accessories available for installation such as Bulb Tees, Sub-Purlins and clips. 2) Pre-cast concrete channel slabs, 3½" or 4½" thicknesses in various lengths with required clips and accessories.

- 20
- ▲ 86 - 92

Roof Deck Materials—PERL-TILE

Pre-cast, light-weight, Perlite concrete roof slabs—PERL-TILE tiles available in 18" and 24" widths, 8" and 4" thicknesses, and required lengths between 3' and 10'.

- 39
- ▲ 92 - 95 - 100

Vermiculite

A micaceous mineral that expands when heated or subjected to specific chemical reactions to produce a dry, lightweight (4 to 12 lb./cu. ft.) granular product having high internal porosity and resilience. Produced in six particle sizes for a wide variety of uses, including:

Building Construction: Loose fill insulation for attics, lofts, wall spaces and insulating blocks; aggregate for use with gypsum in lightweight, fireproofing plaster; aggregate for use with portland cement in lightweight, fireproof concrete for floor, roof and roof deck insulation; acoustical coating for machine spraying to ceilings and other surfaces.

Agriculture, Home Gardening, and Outdoor Living: Anti-caking agent for high analysis farm fertilizer; chemical carrier for pesticides, herbicides, and plant nutrients; firebase for charcoal in outdoor grills; soil conditioner; mulch; seed starter; plant propagator.

Industrial Uses: Additive in fireproofing compounds; insulation of coke ovens; slow cooling of forgings; grease absorbent ingredient; packaging and shipping.

Vermiculite is available in multiwall paper bags and in bulk.

- 1 - 2 - 4 - 7 - 11 - 13 - 15
16 - 18 - 26 - 29 - 36 - 31 - 35
37 - 38 - 48 - 41 - 42 - 44 - 46
47 - 49 - 58 - 53 - 54 - 56 - 59
63
- ▲ 64 - 66 - 68 - 69 - 71 - 75 - 78
81 - 82 - 84 - 82 - 83 - 85 - 86
88 - 100 - 102 - 105 - 110 - 111 - 116
118 - 119 - 121 - 126 - 128 - 132 - 133
140 - 142 - 143 - 156
- Processing Distributors 157 through 174

Vermite

Exfoliated hydrobiotite. Carrier for animal feed supplements, nutrients and antibiotics. Bulking agent for animal feed. Available in 25-pound bags.

- 41 - 53
- ▲ 82 - 132

Industrial Chemicals Group

GRACE

HAMPSHIRE CHEMICAL DIVISION

Manufactures and markets amino acid chelating or sequestering agents and sarcosine surfactants.

General Office

Poisson Avenue
Nashua, New Hampshire 03060
(603) 883-7725

● Plant

1 NEW HAMPSHIRE, Nashua
(03060)
Poisson Avenue
(603) 883-7725

▲ Sales Office

2 NEW HAMPSHIRE, Nashua
(03060)
Poisson Avenue
(603) 883-7725

PRODUCTS

Chelating Agents

Chemical compounds used to neutralize the undesirable effects of hard water metallic impurities in textile processing, soap and detergent manufacture and other chemical processes and as a scale formation preventative in industrial uses of water. Also used in stabilizing rubber latices, as a fertilizer additive and in a wide variety of specialty applications. Available in liquid form in drums and tank trucks and tank cars, in powder form in 50-pound multiwall bags or, upon request, in 125- or 200-pound fiber drums.

Includes EDTA (ethylenediaminetetracetic acid), NTA (nitrilotriacetic acid) and other amino acid chelates.

● 1

▲ 2, and at 35 distributor locations throughout the United States.

Surfactants

Chemical compounds used in the manufacture of soaps, shampoos, dentifrices, shaving creams and other washing and cosmetic products to improve foaming, lathering and cleansing properties. Available in drums and in tank trucks and tank cars.

Includes sarcosine surfactants and sarcosinates.

● 1

▲ 2, and at 35 distributor locations throughout the United States.

GRACE

OVERSEAS CHEMICAL DIVISION

Manufactures and markets a broad line of chemical products in Europe, the United Kingdom, Africa, Asia, Australia and the Pacific area. Product lines include agricultural chemicals; automotive products; construction chemicals and adhesives; container sealing compounds and application equipment; converted plastics; packaging products and equipment; specialty chemicals including chemical intermediates, industrial-institutional cleaning compounds, printing products, tape and backings, water treatment chemicals and services, meteorological balloons and pharmaceuticals.

Headquarters Office

7 Hanover Square
New York, New York 10005
(212) 344-1200

● Plants

AUSTRALIA

- 1** Josh Abrahams & Son Pty. Ltd.
17-29 William Street
Botany, N.S.W.
Tel. 666-7932
- 2** Josh Abrahams & Son Pty. Ltd.
1126-1134 Sydney Road
Fawkner, Victoria
Tel. 35-02-31
- 3** W. R. Grace Australia Pty. Ltd.
17-29 William Street
Botany, N.S.W.
Tel. 666-7932
- 4** Josh Abrahams & Son Pty. Ltd.
1283 Kingsford Smith Drive
Eagle Farm, Brisbane,
Queensland
Tel. 60-4115
- 5** Josh Abrahams & Son Pty. Ltd.
69 Leadenhall Street
Port Adelaide
South Australia
Tel. 4-1036
- 6** W. R. Grace Australia Pty. Ltd.
General Office:
1126-1134 Sydney Road
Fawkner, Victoria
Tel. 35-02-31
- 7** Highley Plastics Proprietary Ltd.
1 Hale Street
(Botany) Sydney
Tel. 666-8536

- 8** Highley Plastics Sales
(Victoria) Pty. Ltd.
653 Waterdale Road
(West Heidelberg)
Melbourne
Tel. 45-4978

- 9** Omicron Proprietary Limited
Bulla Road
Airport West, Victoria
Tel. 379-6443

FRANCE

- 10** Grace S.A.R.L.
Eperron (Eure et Loir)
Tel 817 a Rambouillet
(Eure et Loir)
- 11** Teroson et Protection
Chimiques S.A.
44 Bis Avenue Jean Jaures
Pantin 93
Tel. 845-85-30

GERMANY

- 12** No longer a
working number.
- 13** Grace G.m.b.H.
Friedrichsgabe
Post Harksheide, Bezirk
Hamburg
Mail: P.O. Box 7-10
Hamburg
Tel. (0411) 527271
- 14** Grace G.m.b.H.
638 Bad Homburg V.d. Höhe
Postfach 251
Tel. 23068
- 15** Pillnay-Lacke Darex
G.m.b.H. & Company
Bruhler Strasse 2-20
53 Bonn (Rhein)
Mail: P.O. Box 7-10
Hamburg
Tel. Bonn 663031/2
- 16** Teroson-Werke G.m.b.H.
Chemische Fabrik
Hans-Bunte Strasse 4
6900 Heidelberg 1
Mail: P.O. Box 1720
6900 Heidelberg 1
Tel. (06221) 73221

GREECE

- 17** Grace Hellas E.P.E.
Odos Tavros

ITALY

- 18** Grace Italiana S.p.A.
Via Trento 7
Passirana di Rho (Milan)
Mail: Caselle Postale 4171
Milan
Tel. 93.35.81-2-3-4
- 19** Grace Italiana S.p.A.
Via Mugnano 7
Melito di Napoli
Tel. 33.64.61-2-3
- 20** Boston S.p.A.
Via Quattro Novembre
Bollate (Milan), Italy
Tel. 902-3491

JAPAN

- 21** W. R. Grace Kabushiki Kaisha
Kaneda, Atsugi-SHI
Kanagawa-Ken
- 22** Fuji-Davison Chemical Ltd.
No. 1846-2-chome Kozoji-Cho
Tel. Kozoji 234-529-451
- 23** Nipon DuBois KK
Gotanda

NEW ZEALAND

- 24** W. R. Grace (N.Z.) Limited
Prosser Street
Elsdon, Porirua
Wellington
Mail: P.O. Box 4, Porirua
Wellington
Tel. Porirua 8149
- 25** Highley Plastics (N.Z.) Limited
Plastak Sales (N.Z.)
Western Hutt Road
Belmont (Lower Hutt)
Tel. WELLINGTON 65-227

● Plants (continued)

PHILIPPINES

- 26 W. R. Grace (Philippines) Inc.
16 Cristobal Street
Paco
Manila
Tel. 502 961

SOUTH AFRICA

- 27 W. R. Grace Africa
(Proprietary) Ltd.
Mill and Iscor Roads
Bellville, Cape Province
Mail: P.O. Box 274
Bellville, Cape Province
Tel. 97-1771

SPAIN

- 28 Grace Española, S.A.
Carreta de Cornellà a Gava
(C-246), KM-10 San Baudilio
de Llobregat
Barcelona
Mail: Apartado Postal 523
Barcelona
Tel. 231.70.13
- 29 Pilman S.A.
Calle Santa Anna, Sardaña
(Barcelona Province)
- 30 Teroson Española S.L.
Calle Los Cinquenta No. 32
Barrio de San Gabriel
Alicante
Tel. 22-05-17

SWEDEN

- 31 Rexolin Chemicals Aktiebolag
Drottninggatan 72A
Helsingborg
Tel. 12-76-40

UNITED KINGDOM

- 32 Detarex Limited
Elveden Road
Park Royal
London N.W. 10
Tel. Elgar 6535
- 33 W. R. Grace Limited
Elveden Road
Park Royal
London N.W. 10
Tel. Elgar 6535
- 34 W. R. Grace Limited
Flexible Packaging Division
Cromwell Gardens
St. Neots, Huntingdonshire
Tel. St. Neots 680
- 35 Silica Gel Limited
Elveden Road
Park Royal
London N.W. 10
Tel. Elgar 6535
- 36 Serviced Limited
Slough Trading Estate
Slough, Bucks
Tel. Slough 26354

- 37 Grace Dubois Ltd.
Elveden Road
Park Royal
London N.W. 10
Tel. Elgar 6535

▲ Sales Offices

AUSTRALIA

- 38 Josh Abrahams & Son Pty. Ltd.
1729 William Street
Botany, N.S.W.
Tel. 666-7932
- 39 Josh Abrahams & Son Pty. Ltd.
1126-1134 Lydary Road
Fawkner, Victoria
Tel. 35-02-31
- 40 Josh Abrahams & Son Pty. Ltd.
1283 Kingsford Smith Drive
Eagle Farm, Brisbane,
Queensland
Tel. 60-4115
- 41 Josh Abrahams & Son Pty. Ltd.
69 Leadenhall Street
Port Adelaide, South Australia
Tel. 4-1036
- 42 W. R. Grace Australia Pty. Ltd.
General Office:
1126-1134 Sydney Road
Fawkner, Victoria
Tel. 35-0231
- 43 W. R. Grace Australia Pty. Ltd.
1729 William Street
Botany, N.S.W.
Tel. 666-7932
- 44 W. R. Grace Australia Pty. Ltd.
MLCC Bldg.
Sydney
- 45 W. R. Grace Australia Pty. Ltd.
1283 Kingsford Smith Drive
Eagle Farm, Brisbane,
Queensland
Tel. 60-4588
- 46 W. R. Grace Australia Pty. Ltd.
177 Halifax Street
Adelaide, South Australia
Tel. 23-1639
- 47 W. R. Grace Australia Pty. Ltd.
134 Oats Street
Carlisle, Western Australia
Tel. 6-3225
- 48 Highley Plastics Proprietary Ltd.
1 Hale Street
(Botany) Sydney
Tel. 666-8536
- 49 Highley Plastics Sales
(Victoria) Pty. Ltd.
663 Waterdale Road
(West Heidelberg)
Melbourne
Tel. 45-4978

- 50 Omicron Proprietary Limited
Bulla Road
Airport West, Victoria
Tel. 379-6443

AUSTRIA

- 51 Teroson-Werke
Gesellschaft m.b.H.
Chemische Fabrik
Ferdinandstrasse-16-18
Vienna II
Tel. 241867

DENMARK

- 52 W. R. Grace A/S
"Noerreport"
Frederiksborggade, 15
Copenhagen K
Tel. Copenhagen 151514

FINLAND

- 53 OY Borg Huolto-Service AB
Savonkatu, 27
Kouvola
Tel. 22-47

FRANCE

- 54 Borg Service S.A.
64 Rue Marjolin
Levallois-Perret (Seine)
Tel. 73-77-541
- 55 Grace S.A.R.L.
114 Avenue de Neuilly
92 Neuilly,
Tel. 637-54-30
- 56 Grace S.A.R.L.
151 bis Avenue Aristide Briand
Mulhouse
Tel. 46-29-84
- 57 Teroson et Protection
Chimiques S.A.
44 Bis Avenue Jean Jaures
Pantin 93
Tel. 845-85-30

GERMANY

- 58 No longer a
working number.
- 59 Borg Service G.m.b.H.
Heldenstrasse 351
Tel. 71-60-01
- 60 Grace G.m.b.H.
Friedrichsgabe
Post Harksheide, Bezirk
Hamburg
Mail: P.O. Box 7-10
Hamburg
Tel. (0411) 527271
- 61 Grace G.m.b.H.
639 Bad Hornburg V.d. Höhe
Postfach 251
Tel. 23068

62 Pillnay-Lacke Dorex
G.m.b.H. & Company
Brühler Strasse 2-20
53 Bonn (Rhein)
Mail: P.O. Box 7-10
Hamburg, Germany
Tel. Bonn 663031/2

63 Teroson-Werke G.m.b.H.
Chemische Fabrik
Hans-Bunte Strasse 4
6900 Heidelberg 1
Mail: P.O. Box 1720
6900 Heidelberg 1
Tel. (06221) 73221

GREECE

64 Grace Hellas E.P.E.
6 Aristidou Street
Athens
Tel. Athens 66 002

HONG KONG

65 W. R. Grace (Hong Kong) Ltd.
109 Edinburgh House
Tel. 221618 & 28

ITALY

66 Borg Service S.p.A.
Via Trento 7
Passirana di Rho (Milan)
Tel. 93-35-81

67 Grace Italiana S.p.A.
Via Trento 7
Passirana di Rho (Milan)
Mail: Caselle Postale 4171
Milan
Tel. 93.35.81-2-3-4

68 Boston S.p.A.
Via Quattro Novembre
Bollate (Milan), Italy
Tel. 902-3491

JAPAN

69 Fuji-Davison Chemical Ltd.
No. 1846-2-chome Kozoji-Cho
Karugai-ahi, Aichi-ken
Tel. Kozoji 234-529-451

70 W. R. Grace Kabushiki Kaisha
Azabudai Building
13 3-Chome Azabu Iikura-Machi
Minato-ku, Tokyo
Tel. 583-1171-3

71 Nippon-DuBois K.K.
Azabudai Building
13-3 chome Azabu Iigura-Machi
Minato-Ku
Tokyo
Tel. 583-1171-3

NETHERLANDS

72 Grace (Nederland) N.V.
Groothandelgebouw A-7
Rotterdam
Tel. Rotterdam 119690

NEW ZEALAND

73 W. R. Grace (N.Z.) Limited
Prosser Street
Elsdon, Porirua
Wellington
Mail: P.O. Box 4, Porirua
Wellington
Tel. Porirua 8149

74 Highley Plastics (N.Z.) Limited
Plastak Sales (N.Z.)
Western Hutt Road
Belmont (Lower Hutt)
Tel. Wellington 65-227

PHILIPPINES

75 W. R. Grace (Philippines) Inc.
16 Cristobal Street
Paco
Manila
Tel. 502 961

PORTUGAL

76 Grace Portuguesa
(Produtos Quimicos y
Plasticos) Limitada
Avenida da Republica No. 5 45
Matosinhos
Tel. 93-31-19

SOUTH AFRICA

77 W. R. Grace Africa
(Proprietary) Ltd.
Mill and Iscor Roads
Bellville, Cape Province
Mail: P.O. Box 274
Bellville, Cape Province
Tel. 97-1771

78 W. R. Grace Africa
(Proprietary) Ltd.
36 Reserve Street
Braamfontein, Johannesburg
Tel. 724-3606

SPAIN

79 Borg Service SAE
Almirante 10
Madrid
Tel. 2-22-11-39

80 Grace Española, S.A.
Provenza N° 260 5°
Barcelona
Mail: Apartado Postal 523
Barcelona
Tel. 215.51.2

81 Pilman S.A.
Provenza N° 260 5°
Barcelona
Tel. 215.51.2

82 Teroson Española S.L.
Calle Arayaca No. 22
Madrid
Tel. 233.6051

SWEDEN

83 Borg Service AB
Drottninggatan 72A
Helsingborg
Tel. 12-76-40

84 Rexolin Chemicals Aktiebolag
Drottninggatan 72A
Helsingborg
Tel. 12-76-40

SWITZERLAND

85 Borg Holding AG
Gubelstrasse 5, Gubelhof
6300 Zug
Tel. 48-5-48

86 Grace A-G
Neugasse, 6
Zurich 5
Tel. 42-47-11

UNITED KINGDOM

87 Borg Service Limited
Elveden Road
Park Royal
London N.W. 10
Tel. Elgar 6535

88 Detarex Limited
Elveden Road
Park Royal
London N.W. 10
Tel. Elgar 6535

89 W. R. Grace Limited
Elveden Road
Park Royal
London N.W. 10
Tel. Elgar 6535

90 Silica Gel Limited
Elveden Road
Park Royal
London N.W. 10
Tel. Elgar 6535

91 Servicised Limited
2 Caxton Street
London S.W. 1
Tel. Sullivan 2632

92 Grace Dubois Ltd.
Elveden Road
Park Royal
London N.W. 10
Tel. Elgar 6535

AUTOMOTIVE PRODUCTS

Automotive Maintenance Products

A complete line of auto cleaners, polishes, radiator cleaners and sealers, rust inhibitors, windshield cleaners, engine cleaners, spot removers, anti-corrosion coatings and other automotive maintenance products.

- 7 - 8 - 11 - 16 - 20 - 25 - 30 - 33
- ▲ 51 - 52 - 57 - 63 - 68 - 70 - 74 - 82 - 89

Battery Separators

Impregnated fiber insulators used to separate positive and negative plates in automotive storage batteries. Available with glass fiber mats attached for heavy-duty usage.

- 13 - 16
- ▲ 52 - 55 - 60 - 64 - 65 - 67
- 70 - 73 - 77 - 78 - 80 - 89

Sealers and Sealants

Sealing mastics based on rubber, rubber-bitumen, SBR and plastisol for use in car manufacture, assembling and maintenance, as well as sealers and bonding materials for the construction and metal fabricating industries.

Sound Deadeners

Sound and vibration deadening products based on rubber, rubber-and-bitumen, and PVC; in liquid, sheet and multi-layer forms for use in car, bus, truck and train coach manufacture, as well as for the metal fabricating industry.

- 7 - 8 - 11 - 16 - 20 - 25 - 30 - 33
- ▲ 51 - 52 - 57 - 63 - 68 - 70 - 74 - 82 - 89

CONSTRUCTION CHEMICALS & ADHESIVES

DAREX PRODUCTS

Accelerating and Retarding Admixtures

Aqueous solutions and dry compounds for controlling the time required for initial set of concrete and mortar.

Air Entraining Admixtures

Aqueous solutions for controlled entrainment of microscopic air bubbles in concrete and mortar to resist damage from freezing and thawing.

Colorants

Finely dispersed pigments and paste for integral mixing in concrete and mortar.

Densifiers and Water Repellents

Stearate and modified salt solutions for reduction of capillary absorption in cured concrete and mortar.

Grinding Aids

Lignin and amine acetate compounds for increasing mill through-put and effecting reduction of pack set tendencies in portland and hydraulic cements.

Water Reducing Admixtures

Catalyzed dispersing agents for reduction of water/cement ratios in concrete and mortar to increase compressive strengths.

- 3 - 6 - 10 - 16 - 18 - 21 - 24 - 26
- 27 - 28 - 31 - 36
- ▲ 42 - 43 - 46 - 52 - 55 - 63 - 64
- 65 - 67 - 70 - 73 - 75 - 77 - 78
- 84 - 91

CONSTRUCTION MATERIALS

Adhesives and Bonding Agents

Resin, latex, and polysulfide compounds for masonry patching and resurfacing, for plaster bonding and for surface bonding of concrete, toppings and aggregates.

Caulks and Sealants

Polysulfide, rubber and oil base compounds for weatherproofing of masonry, metal, stone, wood and glass in expansion, curtain wall and other construction joints.

Floor Materials

Products to maintain, protect and repair masonry surfaces; includes hardeners, toppings, coloring agents, sealers, anti-corrosion treatments, patching compounds and fabrics, cleaners, conditioners and special grouts for tile, terrazzo and machinery bases.

Specialty Products

Architectural, construction and maintenance products related to masonry work. Includes curing, form coating and cleaning compounds; construction equipment and accessories.

Technical Coatings

Oil, silicone, resin, epoxy and vinyl latex formulations for protection of masonry, wood and steel under particularly severe environmental conditions. Products include heat and acid-resistant coatings and swimming pool coatings.

Waterproofing and Roofing Materials

Complete line of mastic, spray coat and integrally mixed moisture control products. Above and below grade treatments for masonry to increase water resistance; fabrics, mastics and aluminized coatings for built-up roof construction and maintenance.

- 3 - 10 - 16 - 20 - 26 - 36
- ▲ 42 - 43 - 46 - 52 - 55 - 63 - 64 - 65
- 67 - 70 - 73 - 75 - 77 - 78 - 91

SERVICISED PRODUCTS**Bridge Products**

Neoprene and laminated neoprene bridge pads and asphalt plank for highway and railroad bridges.

Joint Sealing Compounds

Rubberized asphalt and thermoplastic, two-component polymer and two-component butyl compounds for highway and heavy construction applications.

Premolded Joint Fillers

Cork, asphalt, sponge rubber, plastic foam and cane fiber joint filling and back-up materials for expansion, contraction and other construction joints.

Specialty Products

Form coating and accessories, cures, hardeners and bonding agents for masonry construction and repair.

Waterstops

Rubber, PVC and neoprene waterstops, fittings and accessories.

- 36
- ▲ 42 - 52 - 55 - 63 - 65 - 77 - 78 - 91

ADHESIVES**Shoe Products**

Shoe adhesives, leather stains and polishes, leather dyes, pigments and shoe waxes.

- 16 - 20
- ▲ 63 - 64 - 68

Special and General Adhesives

Custom-tailored, special purpose adhesives based on natural rubber, synthetic rubber, SBR, NBR or resin for the automotive, construction, flooring, shoe and appliance industries, as well as a broad line of general purpose adhesives for industry.

- 11 - 16 - 20 - 30
- ▲ 42 - 43 - 52 - 55 - 57 - 63 - 64 - 65
- 68 - 70 - 73 - 77 - 80 - 82 - 89

CONTAINER PRODUCTS**Aerosol Valve Cup Gasketing Compounds**

Flowed-in sealing compound vulcanized in place to form a tough, resilient gasket that holds high pressures and resists attack by aggressive solvents in the package.

- 6 - 10 - 13 - 19 - 21 - 33
- ▲ 42 - 52 - 55 - 60 - 64 - 65 - 67
- 70 - 73 - 77 - 80 - 89

Can Sealing Compounds

Flowed-in compounds (waterbase or solvent base) that dry or cure into solid, rubbery gaskets. Applied to container ends for hermetic sealing of sanitary foods, oil, paint, solvents and other general line products.

- 6 - 10 - 13 - 19 - 21 - 24 - 27 - 28 - 33
- ▲ 42 - 52 - 55 - 60 - 64 - 65 - 67
- 70 - 73 - 77 - 80 - 89

Compound Application and Drying Equipment

A complete line of automatic and semi-automatic compound applying machines, high velocity drying ovens, convection dryers and compound pumping and conditioning units. Compound applying machines utilize the DAREX "Flowed-in" Process to apply overall or annular gaskets to can ends, closures, crowns, aerosol mounting cups and industrial parts.

- 6 - 21 - 33
- ▲ 42 - 52 - 55 - 60 - 64 - 65
- 67 - 70 - 73 - 77 - 80 - 89

Crown Sealing Compounds

Flowed-in plastisol type compounds that cure to a resilient, foamed-cellular structure similar to that of cork. Used for all types of bottled beverage closures. Particularly effective for sealing the new, easy-open bottle caps and crowns.

- 6 - 10 - 13 - 19 - 21 - 27 - 28 - 33
- ▲ 42 - 52 - 55 - 60 - 64 - 65
- 67 - 70 - 73 - 77 - 80 - 89

Industrial Gasketing Compounds

Solvent base, waterbase or plastisol compounds that heat-cure to solid or cellular rubber gaskets which become an integral part of the product and cannot be shaken loose. Used wherever gaskets are required to cushion, contain pressure or form a hermetic seal (automotive fasteners, oil and air filters, knock-out plugs, shock absorbers, electronic components, ammunition, etc.).

Jar Cap and Lid Gasketing Compounds

Flowed-in compounds (solvent base or latex type) which are dried or oven-cured to form self-bonding, resilient gaskets. Used for hermetic sealing of non-processed (low temperature) packs, can be vulcanized for high temperature packs or greater solvent resistance. Plastisol-types also available for certain processed, non-processed and industrial packs.

● 8 - 10 - 13 - 19 - 21 - 24 - 27 - 28 - 33
 ▲ 42 - 52 - 55 - 60 - 64 - 65
 67 - 70 - 73 - 77 - 80 - 88

Lacquers (Pittney)

Container and closure lacquers including gold and drawable lacquers, base coats, finishing, tube and special lacquers, solvents and machine cleaning agents.

● 15
 ▲ 52 - 55 - 60 - 62 - 64 - 65
 67 - 70 - 77 - 80 - 88

Organic Solders

Thermoplastic organic cements for sealing side seams of non-processed food and general line cans as a replacement for metallic solder. Allows lithography to cover the can surface in an uninterrupted pattern.

Pail and Drum Sealing Compounds

For end seams of industrial pails and drums; flowed-in waterbase or solvent base compounds that dry or cure into solid rubbery seals. For removable covers; flowed-in waterbase compounds that dry or cure into foamed microcellular gaskets.

Soldering Crystals

Used by can manufacturers to clean solder rolls on automatic can body makers.

● 8 - 10 - 13 - 19 - 21 - 24 - 27 - 28 - 33
 ▲ 42 - 52 - 55 - 60 - 64 - 65
 67 - 70 - 73 - 77 - 80 - 88

Thermoplastic Coatings

Wax and resin types used primarily as inner coatings for lead and aluminum collapsible tubes. Also used as heat-sealable protective coatings for paper wrappers.

▲ 42 - 52 - 55 - 60 - 64 - 65
 67 - 70 - 73 - 77 - 80 - 88

CONVERTED PLASTICS**Polypropylene Monofilaments**

Single denier from 50-250. Limited denier in flat cross-section.

▲ 39

Self Adhesive Films

Decorated films with contact adhesive.

● 20
 ▲ 68

PACKAGING PRODUCTS

SHRINKING BAGS AND CASINGS

CRYOVAC "L" for packaging turkeys, whole chickens and ducks.

CRYOVAC "S" bags for packaging smoked, cured, and processed meats, cheese, poultry, and fresh red meat.

CRYOVAC "S" casings for packaging smoked, cured, and processed meats.

- 6 - 10 - 13 - 18 - 24 - 27 - 29 - 34
- ▲ 42 - 44 - 45 - 47 - 52 - 55 - 60 - 64 - 65 - 67
- 70 - 72 - 73 - 75 - 77 - 78 - 80 - 86 - 88

SHRINKING FILMS

CRYOVAC "D" for packaging toys, phonograph albums, specialties, meats and bakery items.

- 10
- ▲ 42 - 44 - 45 - 46 - 47 - 52 - 55 - 60 - 64
- 65 - 67 - 70 - 72 - 73 - 77 - 81 - 86 - 88

CRYOVAC "S" (Polyvinylidene Chloride) for packaging meat and cheese.

- 6 - 10 - 13 - 18 - 34
- ▲ 42 - 44 - 45 - 46 - 47 - 52 - 55 - 60 - 64
- 65 - 67 - 70 - 72 - 73 - 77 - 81 - 86 - 88

CRYOVAC "L" (Polyethylene) for packaging whole poultry, fruits, vegetables, and bakery items.

CRYOVAC "XL" (Polyethylene) for packaging consumer portions of fresh meat and fish.

- 10 - 13 - 34
- ▲ 42 - 44 - 45 - 46 - 47 - 52 - 55 - 60 - 64
- 65 - 67 - 70 - 72 - 73 - 77 - 81 - 86 - 88

CRYOVAC "Y" (Polypropylene) for packaging phonograph albums, toys and general box overwrap. Also **CRYOVAC YH**, a perforated film for produce — both shrink and non-shrink applications.

- 34
- ▲ 42 - 44 - 45 - 46 - 47 - 52 - 55 - 60 - 64 - 65
- 67 - 70 - 72 - 73 - 77 - 81 - 86 - 88

"VPM" (Polyvinyl Chloride) for produce packaging and multiple product packaging, such as bundling of cans and containers.

- 13 - 28 - 34
- ▲ 42 - 44 - 45 - 46 - 47 - 52 - 55 - 60 - 64 - 65
- 67 - 70 - 72 - 73 - 77 - 81 - 86 - 88

Carded Packaging

Polycard carded packaging system including blister packaging.

- 6 - 10 - 13 - 34
- ▲ 42 - 55 - 60 - 68

NON-SHRINKING FILM

Converted Bags

Bags converted from polyethylene, cellophane and polypropylene films.

- 1 - 2 - 4 - 5
- ▲ 30 - 39 - 40 - 41

"V" (Polyvinyl Chloride) for box overwrapping.

- 6 - 13 - 18 - 28 - 34
- ▲ 52 - 55 - 60

Polyethylene Products

Products include heavy duty bags, pouches, tubing and film used in the food packaging industry and in other industrial applications.

- 29
- ▲ 81

LAMINATES

Various constructions in pouch or roll-stock form for vacuum packaging cheese and processed meats and other formfill seal applications.

- 6 - 10 - 13 - 18 - 29
- ▲ 42 - 44 - 45 - 46 - 47 - 52 - 55 - 60
- 64 - 65 - 67 - 70 - 72 - 73 - 75 - 77
- 81 - 86 - 88

NET BAGS COTTON (PERMAC)

Strong, cotton net bags in several bright colors for produce packaging that invites customer attention.

- 34
- ▲ 89

POUCHES

For packaging processed meats, for "boil-in-bag" applications, and for cheese.

- 6 - 10 - 13 - 18 - 24 - 29
- ▲ 42 - 44 - 45 - 46 - 47 - 52 - 55 - 60 - 64 - 65
- 67 - 70 - 72 - 73 - 77 - 80 - 86 - 88

RIGID CONTAINERS

Rigid containers such as cosmetic boxes; vacuum-formed industrial products, plastic lighting panels, plastic trays for food items, and formed products for the automotive and television industry; made from cellulose acetate, PVC sheeting and acrylic resins.

- 9
- ▲ 50

EQUIPMENT

For customized packaging lines: automatic, semi-automatic and hand operated equipment for edge sealing and vacuum sealing; shrink tunnels and clip applicators.

- ▲ 42 - 44 - 45 - 46 - 47 - 52 - 55 - 60 - 64
- 67 - 70 - 72 - 73 - 77 - 81 - 86 - 88

SPECIALTY CHEMICALS

CHEMICAL INTERMEDIATES

Chelating Agents

Chemical compounds used to neutralize the undesirable effects of hard water metallic impurities in textile processing, soap and detergent manufacture and other chemical processes and as a scale formation preventative in industrial uses of water. Also used in stabilizing rubber latices, as a fertilizer additive and in a wide variety of specialty applications. Available in liquid form in drums and tank trucks and tank cars, in powder form in 50-pound multiwall bags or, upon request, in 125- or 200-pound fiber drums.

Includes EDTA (ethylenediaminetetraacetic acid), NTA (nitrilotriacetic acid) and other amino acid chelates.

- 31 - 32
- ▲ 84 - 88

DAREX Copolymer Resins

Styrene butadiene copolymer resins marketed in granular form, used to reinforce natural and synthetic rubbers where stiffness, hardness and high abrasion resistance with low specific gravity are required, such as in manufacturing shoe soles and floor tiles.

- 19
- ▲ 42 - 43 - 46 - 52 - 55 - 60 - 64
- 65 - 67 - 70 - 73 - 77 - 80 - 89

DAXAD Dispersing Agents

Effective dispersants designed to produce stable dispersions in water of finely divided insoluble particles. Used in emulsion polymerization processes, tanning and in other industries.

- 10 - 19
- ▲ 42 - 43 - 46 - 52 - 55 - 60 - 64 - 65
- 67 - 70 - 73 - 77 - 80 - 89

Gas Absorbents

A mixture of hydrated lime, sodium hydroxide and potassium hydroxide, of controlled moisture content, processed into porous, coral-like granules. Used in anesthesia machines to remove carbon dioxide from recycling anesthesia systems, in metabolators, and in oxygen therapy. Also used in gas purification systems, protective masks and other safety equipment; in industrial processes; and in research for acid gas absorption.

- 6 - 10
- ▲ 42 - 43 - 46 - 52 - 55 - 60 - 64 - 65
- 67 - 70 - 73 - 77 - 80 - 89

Industrial Catalysts

RANEY nickel catalysts and metal alloy powders; catalysts for alkylation, dehydrogenation, hydrogenation, oxidation, polymerization, dehydration and other reactions. Custom-made catalysts utilizing as active agents all base- or precious-metal salts.

- ▲ 52 - 61 - 67 - 80 - 90

Molecular Sieves

Physical forms of sodium and calcium aluminosilicates offering unique desiccant and selective separation properties.

- ▲ 52 - 61 - 67 - 80 - 90

Mullite Pellets

Chemically inert, thermally fused spheres of combined alumina and silica used to support catalyst beds, to assist in uniform distribution of reactant flow and to serve as a diluent for a catalyst.

- ▲ 52 - 61 - 67 - 80 - 90

Packaging Desiccants

A number of adsorbents in small bag sizes for military application, electrical and electronic devices, precision instruments and pharmaceutical products.

- 14 - 21 - 34
- ▲ 52 - 61 - 67 - 69 - 90

Silica Gel

An amorphous, extremely porous form of silica having the appearance of clear rock salt. Used as a selective adsorbent for gases and liquids and as a desiccant for dehydration of various substances.

- 14 - 21 - 34
- ▲ 52 - 61 - 65 - 67 - 69 - 80 - 90

SYLOID Micron-Sized Silicas

White, amorphous, silica gel powders used for flattening and anti-blocking of industrial paints, lacquers, plastic sheeting and film. Also used for specialty and reproduction paper coatings; moisture protection of metallic paints; anti-caking agents for foods, feeds and pharmaceuticals.

- 14 - 21 - 34
- ▲ 52 - 61 - 65 - 67 - 69 - 80 - 90

INDUSTRIAL-INSTITUTIONAL CLEANING COMPOUNDS

Dishwashing and Kitchen Sanitation

A wide selection of machine and hand dishwashing compounds and dispensing control equipment for all water and soil conditions. Also a wide variety of specialty products for equipment sanitation and maintenance. For use in restaurants, hotels, hospitals, schools and other institutions.

Floor Treatment Materials for Institutions and Industry

Floor treatment products to clean, polish and preserve tile, asphalt, concrete, terrazzo and other resilient floor surfaces.

Food Manufacturing - Processing

Specialized processing and maintenance products for use throughout all phases of food processing.

Liquid soaps for surgical, antiseptic, germicidal, disin-

fectant and deodorant requirements; skin creams for hand protection.

Metal-Working and Other Industrial Manufacturing

Products for paint spray booth maintenance, paint stripping, metal cleaning prior to finishing, paper mill production cleaning, rubber processing anti-adhesives, and production cleaning for rubber manufacturing plants.

Transportation

A wide selection of cleaning and maintenance products for fleets, railroads, airlines, and marine and bus lines; cleaning compounds and dispensing equipment for automatic car wash operations.

● 10 - 16 - 18 - 23 - 31 - 37

▲ 53 - 55 - 63 - 67 - 71 - 72 - 84 - 82

PRINTING PRODUCTS

Offset Printing Blankets

A two-piece blanket, with a unique replaceable face of compressible polymer-fiber material surfaced with flexible rubber. Used on commercial web and sheet-fed offset presses and duplicators to transfer printed images from the impression cylinder to the paper stock.

▲ 42 - 55 - 60 - 70 - 77 - 80 - 89

Textile Finishing Equipment

Automatic washers and dryers used for cleaning and drying textile print blankets. Orbital washers and custom-designed finishing equipment for wet processing of natural and synthetic fiber-based fabrics.

▲ 42 - 52 - 56 - 60 - 67 - 70
73 - 77 - 80 - 89

Textile Printing Blankets

Roller Printing Blankets: wide fabric-and-rubber laminated continuous belts, smooth-surfaced or with embossed surfaces that mechanically entrap excess printing colors.

Screen Printing Blankets: wide fabric-and-rubber laminated continuous smooth-surfaced belts.

Lapping Blankets: wide continuous rubber belts faced on both sides with wool and cotton fabric to cushion high roll pressures exerted during printing operations.

All blankets available in widths and lengths to customer specification.

▲ 42 - 52 - 55 - 56 - 60 - 64 - 65
67 - 70 - 73 - 77 - 80 - 89

WATER TREATMENT CHEMICALS

Biocides

Products to control bacterial slimes, molds and algae in industrial cooling water systems.

Boiler Water Treatments

Deposit and corrosion preventives, anti-foams, sludge dispersants, oxygen scavengers and allied materials.

Cooling Water Treatments

Products to prevent fouling, pitting, deposits and general corrosion in recirculating and once-through cooling water systems.

Return Line Treatments

Products designed to protect condensate return systems from corrosive attack by use of filming and neutralizing amines.

Miscellaneous Products

Scale and deposit removers for boilers and heat exchanger equipment.

Fuel additives and combustion catalysts for residual fuel oils and coal.

▲ 55 - 67

TAPE AND BACKINGS

Specialty Backings

Latex-saturated paper backings for pressure sensitive tapes, waterproof sandpapers and release liners. Available with barrier coats, release coats, bonding coats, singly or in combination.

• 18

▲ 52 - 66 - 65 - 67 - 76 - 73 - 77 - 78 - 86 - 88

Tapes

Reinforced strapping tapes, pressure sensitive masking tapes, cellophane tapes, electrical tapes, protective tapes and tape dispensers.

• 20

▲ 88 - 83

METEOROLOGICAL BALLOONS

Balloons

Neoprene latex, one-piece balloons. Primarily for meteorological use. Produced for government weather agencies, government and private research groups and private businesses. Packed to specification.

▲ 42 - 52 - 66 - 65 - 67 - 73 - 77 - 80 - 88

For a complete listing refer to page 64, Dewey and Army Chemical Division.

PHARMACEUTICALS

Tranquilizers, coccidiostats and other special pharmaceuticals for sale to bulk formulators.

• 31 - 32

▲ 84 - 88

Manufactures nuclear feed materials; reprocesses and transports spent nuclear fuels.

General Office

906 Wheaton Plaza Office Bldg.
Wheaton, Maryland 20902
(301) 933-5440

● Plants

1 NEW YORK, West Valley
(14171)
P. O. Box 124
(716) 942-3235

2 TENNESSEE, Erwin (37650)
P. O. Box 218
(615) 742-1721

▲ Sales Offices

3 DISTRICT OF COLUMBIA
(Wheaton, Maryland) (20902)
906 Wheaton Plaza Office Bldg.
(301) 933-5440

4 NEW YORK, West Valley
(14171)
P. O. Box 124
(716) 942-3235

5 TENNESSEE, Erwin (37650)
P. O. Box 218
(615) 742-1721

PRODUCTS**Nuclear Fuel Reprocessing/Transportation Services**

Capability for reprocessing a variety of spent nuclear fuels, waste burial and fuel transportation. Reprocessing performed at West Valley, N. Y.

● 1 - 2
▲ 3 - 4 - 5

Nuclear Materials

More than fifty uranium, plutonium and thorium products for nuclear and non-nuclear applications. Used primarily as fuel material for nuclear reactors. Also capacity for unirradiated scrap recovery at Erwin, Tenn. (Detailed list on p. 20.)

● 1 - 2
▲ 3 - 4 - 5

Specialty Products Group

GRACE

DuBOIS CHEMICALS DIVISION

Manufactures and markets a wide variety of chemical cleaning compounds for industrial, institutional, transportation and food processing applications.

Headquarters Office

634 Broadway
Cincinnati, Ohio 45202
(513) 421-5100

● Plants

UNITED STATES

1 CALIFORNIA, City of Industry
(Los Angeles) (91746)
Don Julian Rd. & 9th Ave.
(213) 330-3351

2 NEW JERSEY, East Rutherford
(07073)
Union Ave. and DuBois Street
(201) 933-2300

3 OHIO, Cincinnati (45202)
1120 West Front Street
(Chemicals)
(513) 420-5100

4 OHIO, Cincinnati (45217)
5129 Kieley Ave. (Equipment)
(513) 421-5100

5 TEXAS, Dallas (75216)
8770 South Central Expressway
(214) 376-6491

CANADA

6 ONTARIO, Weston (Toronto)
64 Kenhar Drive
P.O. Box 68
(416) 749-0720

▲ Sales Offices

UNITED STATES

7 ALABAMA, Birmingham
(35201)
2 Findley Ave., West
(205) 251-0247

8 CALIFORNIA, City of Industry
(Los Angeles) (91746)
Don Julian Rd. & 9th Ave.
(213) 330-3351

9 CALIFORNIA, San Francisco
(94107)
1445 Illinois
(415) 648-4383

10 COLORADO, Denver (80217)
2500 West 5th Ave.
(303) 623-3221

11 CONNECTICUT, West
Hartford (06107)
124 LaSalle Road
(203) 233-5241

12 DISTRICT OF COLUMBIA,
Washington (20018)
910 Brentwood Rd., NE
(202) 529-2535

13 DISTRICT OF COLUMBIA,
Washington (20036)
Coal Building
1130 - 17th Street, N.W.
(202) 296-4417

14 FLORIDA, Miami (33147)
1350 NW 74th Street
(305) 754-7297

15 GEORGIA, Atlanta (30312)
550 Glenn Street, SW
(404) PL 3-2149

16 ILLINOIS, Chicago (60654)
Merchandise Mart Plaza
(312) 527-5700

17 KENTUCKY, Covington (41011)
29 East Second Street
(606) 261-4541

18 LOUISIANA, New Orleans
(70117)
2800 Chartres Ave.
(504) 947-3330

19 MARYLAND, Baltimore
(21218)
2510 St. Paul Street
(301) 243-0400

20 MASSACHUSETTS, Boston
(Wellesley) (02181)
204 Worcester Street
(617) 235-8484

21 MICHIGAN, Detroit (48207)
1900 East Jefferson
(313) 567-2600

22 MINNESOTA, Minneapolis
(55401)
334 North First Street
(612) 333-1281

23 MINNESOTA, Minneapolis
(55416)
5700 West 38th Street
(612) 929-1002

24 MISSOURI, Kansas City
(64116)
127 West 10th Ave.
(816) 421-4327

25 MISSOURI, St. Louis (63116)
3660 Gravois Ave.
(314) 684-5244

26 NEW JERSEY, East Rutherford
(07073)
Union Ave. & DuBois Street
(201) 933-2300

27 NEW YORK, Buffalo
(Cheektowaga) (14240)
2769 Broadway
(716) 896-3398

28 NEW YORK, New York
(orders)
(212) 925-3901

29 NORTH CAROLINA,
Greensboro (27420)
801 Warehouse Street
(919) 273-3465

30 OHIO, Cleveland (44113)
1300 West 9th Street
(216) 781-6406

31 PENNSYLVANIA,
Philadelphia (19142)
2030 South 62nd Street
(215) 563-3943

32 PENNSYLVANIA,
Pittsburgh (15233)
3125 Preble Avenue
(412) 261-4000

▲ Sales Offices (continued)

33 TENNESSEE, Memphis
(38117)
4730 Popular Street
(901) 682-3400

34 TEXAS, Dallas (75201)
1606 Gold Carpet Street
LTV Towers Building
(214) 748-9531

35 TEXAS, Houston (77006)
Suite 248-DeGeorge Bldg.
3520 Montrose Blvd.
(713) 644-3295

36 TEXAS, Houston (77001)
800 Burnett
(713) 227-8803

37 WASHINGTON, Seattle
(98134)
3623 6th Ave., South
(206) 622-5533

38 WISCONSIN, Milwaukee
(53204)
531 South Water Street
(414) 276-3512

CANADA

39 ONTARIO, Weston (Toronto)
64 Kenhar Drive
P. O. Box 68
(416) 749-0720

40 QUEBEC, Montreal
8535 DeMeade Road
738-4713

PRODUCTS

DISHWASHING AND KITCHEN SANITATION

Machine and hand dishwashing compounds and dispensing control equipment for all water and soil conditions. Also a wide variety of special products for equipment sanitation and maintenance. For use in restaurants, hotels, hospitals, schools and other institutions.

Pre-Soaking

Powders for cleaning silverware and stainless steel, plastic and china surfaces.

Machine Ware Washing

A wide selection of powders and liquids for use in all water conditions, for all types of ware in automatic or semiautomatic operations.

Dispensing and Control Systems

Electronic systems for automatic and semiautomatic compound dispensing.

Rinsing

Liquid rinse-dry agents and dispensing system for fast, spot-free drying.

Manual Dishwashing

A variety of detergents specially designed for varying water conditions and soil loads, with a faucet dispensing system.

Pot and Pan Washing

Compounds for pot and pan washing—both machine and manual.

Kitchen Housekeeping

Complete line of products for equipment maintenance and for cleaning walls, floors and other items.

- 1 through 6
- ▲ 7 through 40

FLOOR TREATMENT MATERIALS FOR INSTITUTIONS AND INDUSTRY

A complete line of floor treatment products to clean, polish and preserve tile, asphalt, concrete, terrazzo and other resilient floor surfaces. Carpet shampoos.

Cleaning

A family of compounds for wax stripping and cleaning all types of floors.

Sanitizing

Liquid germicidal disinfectants.

Sealing

Multi-purpose, fast-drying floor sealers.

Waxing and Finishing

A variety of self-polishing waxes and finishes.

- 1 through 6
- ▲ 7 through 40

FOOD MANUFACTURING — PROCESSING

Specialized processing and maintenance products for use throughout all phases of food processing.

Baking Industry

Production cleaning and plant maintenance products and dispensing equipment for pans, doughnut fryers, ovens, racks, utensils and other production equipment. Cleaners for floors and walls throughout the bakery.

Beverage and Brewing Industries

Chain conveyor lubricants and automatic dispensing equipment for single and multi-unit bottle lines; wide range of synthetic lubricants for all water and plant conditions. Production cleaning and plant maintenance products for use throughout the brewery: tanks, wort coolers, hoses and lines, filters, pasteurizers, kegs, labelers, etc. Plant maintenance products for all phases of soft drink manufacturing.

Canning and Frozen Food Industry

Compounds for washing and peeling fruits and vegetables. Production cleaning and plant maintenance products and dispensing equipment for chain conveyors, pasteurizers, heaters, vacuum pans, peeling and husking machinery, flumes, dehydrating equipment, blenders, filling and sealing equipment, glass containers. Cleaners and bacteria control agents for floors and walls throughout the canning and frozen food processing plant.

Dairy Industry

Production cleaning and plant maintenance products and dispensing equipment for chain conveyors, bottles, cans, hot and cold lines and other equipment. Also, sanitizing products and cleaners for floors and walls throughout the dairy.

Meat Processing Industry

Production cleaning and plant maintenance products and dispensing equipment for smoke houses, hot soaker tanks, spray washers, molds, hooks and trolleys.

Potato Chip Industry

Production cleaning and plant maintenance products and dispensing equipment for chip fryers, peelers, slicers, washers, conveyors and cans. Cleaners for floors and walls throughout the potato chip processing plant.

Poultry Processing Industry

Production equipment, plant maintenance products, and dispensers for scald tanks, pickers, pan chillers, cookers, washers, scalders, singers, eviscerating troughs, vacuum units. Specialized products for sanitizing and for mineral and protein film removal. Cleaners for floors and walls throughout the poultry processing plant.

● 1 through 6

▲ 7 through 40

METAL-WORKING AND OTHER INDUSTRIAL MANUFACTURING

Products for paint spray booth maintenance, paint stripping, metal cleaning prior to finishing, paper-mill production cleaning, rubber processing anti-adhesives and production cleaning for rubber manufacturing plants.

Dispensing and Control Equipment

For spraying cleaning solutions; for cleaning tank interiors; for concentration control, automatic proportioning and automatic feeding.

Cleaning

Compounds for steam cleaning, heated spray washing, heated and cold immersion tank cleaning and manual cleaning of industrial parts and equipment.

Cleaning Prior to Electroplating

Products for electrolytic cleaning and heated immersion soak cleaning of a variety of metal parts.

Phosphatizing

A family of compounds for manual iron phosphatizing and for spray and immersion phosphatizing of zinc and iron parts.

Rust Inhibiting

Compounds for use in spray washers, immersion tanks and manual operations.

Etchants for Aluminum

Compounds for etching in spray washers or immersion tanks and for brightening after etching.

Barrel Finishing

A powdered compound for burnishing and brightening.

Paint Spray Booth Maintenance

Products for conditioning water, for purging and for masking and stripping dry areas.

Paint Stripping

A variety of products for hot and cold immersion stripping, cold spray or brush stripping and for steam injection and steam machine work.

Industrial Housekeeping

Compounds for a variety of housekeeping jobs including cleaning electric motors, manual cleaning of machinery and equipment, purging phosphate stages of spray washers or tanks, descaling rinse stages of spray washers or tanks, removing scale from shower room walls and cleaning restroom fixtures.

Paper Mill Products

A completely automated felt cleaning system for metering alkaline and/or acid cleaners onto felts during paper processing operations; cleaners for all felt problems and cleaning products for equipment maintenance throughout the processing plant.

Petroleum Refinery and Petrochemical Plant Cleaning

Plant maintenance cleaners for emulsion, floor and steam cleaning; process equipment cleaning for columns and towers, heat exchangers, water jackets on compressors and pumps, air coolers; storage tank interior and exterior cleaning; equipment for dispensing cleaners and controlling compound use.

Rubber Processing

Anti-adhesives, lubricants, separants, slab and sheet dips, mold cleaners, steam cleaners, rubber bonding agents.

Water Treatment Chemicals

A wide line of scale and corrosion control products for boilers, cooling systems and towers.

Cutting Fluids

A full line of water soluble cutting and grinding fluids for use by the metal-working industry.

TRANSPORTATION

A wide selection of cleaning and maintenance products for fleets, railroads, airlines, marine and bus lines; cleaning compounds and dispensing equipment for automatic car wash operations.

Vehicle Washing

Complete line of cleaning compounds for steam cleaning, wheel washing, power washing, brush washing in car wash systems; medium and heavy duty exterior cleaners for manual washing.

Steam Cleaning

Powders and liquids for steam cleaning of vehicles and parts, designed for light to heavy soil loads.

Immersion Tank Cleaning

For heated and cold immersion tank cleaning of aluminum, steel, ferrous and non-ferrous metals, as well as internal combustion engine parts.

Solvents

Products for dissolving oil, grease and shop soils and for cleaning electrical motors and equipment.

Greases and Oils

A complete line of polymer viscoelastic lubricants for automotive maintenance.

● 1 through 6

▲ 7 through 40

Paint Spray Booth Maintenance

Products for masking, purging, water conditioning, dry and water wash booths.

Paint Stripping

Liquids and powders for use in all types of operations: heated immersion, cold immersion, cold spray, brush stripping and steam cleaning.

Dispensing and Control Equipment

Systems for automatic feeding and proportioning of solutions; equipment for cleaning over-the-road tank interiors.

Housekeeping

Products for manual cleaning of machinery and equipment, for descaling, for purging phosphate and for many specialized housekeeping problems.

● 1 through 6

▲ 7 through 40

Specialty Products Group

GRACE

DEARBORN CHEMICAL DIVISION

*Manufactures and markets industrial water treatment chemicals,
industrial waste water treatment chemicals and services,
maintenance and production coatings, pipeline coatings, wrappers
and transportation cleaners.*

General Office

475 Merchandise Mart Plaza
Chicago, Illinois 60654
(312) 527-5700

● Plants

UNITED STATES

- 1 ILLINOIS, Lake Zurich (60047)
320 Genesee Street
(312) 438-8241
- 2 MASSACHUSETTS, Boston
(02136)
50 Business Street
Hyde Park
(617) EM 1-2131

CANADA

- 3 ONTARIO, Toronto (9)
2454-2464 Dundas Street West
(416) 534-3546

ARGENTINA

- 4 Dearborn Chemical International
Corp.
Balcarce 610
Buenos Aires
Tel. 33-1641

MEXICO

- 5 Productos Dearborn de Mexico
Plaza De Buenavista No. 2
Desp. 406
Mexico City
Tel. 35-55-42

▲ Sales Offices

UNITED STATES

- 6 CALIFORNIA, Santa Clara
(95051)
(San Francisco)
3236 McKinley Drive
(408) 246-3727
- 7 GEORGIA, Atlanta (30305)
3133 Maple Drive, N.E.
(404) 261-8933
- 8 HAWAII, Honolulu (96814)
510 Piikoi Street
Tel. 964-941
- 9 ILLINOIS, Chicago (60654)
475 Merchandise Mart Plaza
(312) 527-5700
- 10 ILLINOIS, Des Plaines (60016)
15 North Broadway
(312) 827-6102
- 11 MICHIGAN, Grosse Pointe
Woods (48236)
20039 Mack Avenue
(313) 886-4710
- 12 MISSOURI, La Due (63124)
(St. Louis)
9216 Clayton Road
(314) 991-2017
- 13 NEBRASKA, Omaha (68114)
Swanson Building
8401 Dodge Street
(402) 391-7659
- 14 NEW JERSEY, Linden (07036)
1601 Linden Avenue East
P.O. Box 213
(201) WA 5-1435
- 15 OHIO, Cleveland (44116)
Westview Towers
21010 Center Ridge Road
(216) 333-4455

- 16 PENNSYLVANIA,
Fort Washington
(Philadelphia) (19034)
520 Pennsylvania Avenue
(215) MI 6-8815
- 17 TEXAS, Richardson (Dallas)
(75080)
Central Exchange Bldg.
777 S. Central Expressway
(214) AD 5-4595

CANADA

- 18 ALBERTA, Calgary
2525 - 4th Avenue, N.W.
(403) 283-1656
- 19 ONTARIO, Toronto (9)
2454-2464 Dundas Street West
(416) 534-3546
- 20 QUEBEC, Montreal (28)
3333 Cavendish Boulevard
(514) 481-5641

ARGENTINA

- 21 Dearborn Chemical International
Corp.
Balcarce 610
Buenos Aires
Tel. 33-1641

MEXICO

- 22 Productos Dearborn de Mexico
Plaza De Buenavista No. 2
Desp. 406
Mexico City
Tel. 35-55-42

PUERTO RICO

- 23 Isla Verde (00913)
WD 35 Los Angeles
Tel. 791-2158

PRODUCTS

WATER TREATMENT

Biocides

Products to control bacterial slimes, molds and algae in industrial cooling water systems.

Boiler Water Treatments

Deposit and corrosion preventives, anti-foams, sludge dispersants, oxygen scavengers and allied materials.

Cooling Water Treatments

Products to prevent fouling, pitting, deposits and general corrosion in recirculating and once-through cooling water systems.

Return Line Treatments

Products designed to protect condensate return systems from corrosive attack by the use of filming and neutralizing amines.

Miscellaneous Products

Scale and deposit removers for boilers and heat exchanger equipment.

Fuel additives and combustion catalysts for residual fuel oils and coal.

● 1 - 3 - 4 - 5
▲ 6 through 23

PROTECTIVE COATINGS

Cleaners

Products for cleaning locomotive equipment and railroad passenger cars.

Maintenance Coatings

Products which provide corrosion protection for industrial equipment and structures including heat-resistant coatings.

Pipeline Coatings

Products based on epoxies and microcrystalline wax for pipeline protection, both internal and external.

Pipeline Wrappers

Custom fabrications including polyester film, fabric or asbestos impregnated and laminated with waxes and asphalts; for use in combination with DEARBORN Pipeline Coatings.

Production Coatings

For in-plant and shelf storage protection of metal parts and assemblies in the metal working industries.

● 1 - 2 - 3
▲ 6 through 20 - 23

INDUSTRIAL WASTE WATER TREATMENT

Analytical Services

Analysis of waste water to define pollution problems and monitor efficiency of waste treatment systems.

Coagulant Aids

Products to settle solids and improve waste water quality.

Consulting Services

Assistance to industry in the development of water pollution control programs.

Oil Emulsion Breakers

Products to separate emulsified oils from waste water.

● 1 - 3
▲ 6 through 20

Specialty Products Group

GRACE

VESTAL LABORATORIES DIVISION

Manufactures and markets products for skin antisepsis and for environmental sanitation in hospitals, institutions, industry and agriculture; building maintenance cleaners, polishes, floor sealers and floor machines.

General Office

4963 Manchester Avenue
St. Louis, Missouri 63110
(314) 535-1810

● Plant

1 MISSOURI, St. Louis (63110)
4963 Manchester Avenue
(314) 535-1810

4 DISTRICT OF COLUMBIA,
Washington (20002)
50 Florida Ave., N.E.
(202) 462-0682

8 NEW JERSEY, Jersey City
(07306)
921 Bergen Ave.
(201) 656-9034

▲ Sales Offices

2 CALIFORNIA, Los Angeles
(90022)
2119 S. Atlantic Blvd.
(213) 268-1351

5 ILLINOIS, Chicago (60612)
2016 West Carroll
(312) 829-4756

9 TEXAS, Ft. Worth (76101)
P.O. Box 1599
(817) 923-5722

3 CALIFORNIA, Burlingame
(94010)
1299 Bayshore Highway
(415) 344-5747

6 MICHIGAN, Detroit (48219)
20305 West 7 Mile Road
(313) 534-4334

7 MISSOURI, St. Louis (63110)
4963 Manchester Ave.
(314) 535-1810

PRODUCTS

Agricultural Products

For use in disinfection and cleaning of animal and poultry quarters, veterinary hospitals, zoos and animal research laboratories.

Health Industries Products

Antiseptic detergents for surgical scrubs and skin cleaning in hospitals, nursing homes and physicians' and dentists' offices.

Germicides and germicidal detergents for use in disinfecting and cleaning all areas in health institutions.

Creams for protecting and disinfecting the skin and for the control of dermatitis.

Surgical soap dispensers – foot operated, wall mount and portable units.

Industrial and Institutional Building Maintenance Products

Concentrated liquid cleaners for general purpose cleaning of floors, walls and fine surfaces.

Concentrated liquid sanitizing shampoo for carpets and rugs.

Floor finishes, polishes and sealers for all types of floors.

Cleaning equipment including floor machines and accessories.

Rug and carpet cleaning equipment including vacuum and shampoo machine.

● 1

▲ 2 through 9

THE VERATEX CORPORATION

Manufactures and distributes disposable paper and plastic products for physician and dentist office use.

Plant and Sales Office

18810 Fitzpatrick
Detroit, Michigan 48228
(313) 838-0942

PRODUCTS**Absorbent Dental Rolls**

Made from surgical cotton.

Dental Mercury

Refined for dental use.

Dental Tray Covers

Made from disposable paper.

Disposable Aprons

Embossed lightweight plastic in two styles. Completely impervious to liquids.

Disposable Cups

Plastic and paper cups for hot and cold liquids. Treated and untreated.

Draping Sheets

Absorbent, warm, strong, soft, with embossed texture. Also available with plastic film laminate for positive waterproofing.

Examination Gowns

Full length and waist length in embossed tissue.

Examination Table Paper Rolls

Water repellent, soft and strong.

Hand Towels

High wet-strength absorbent towels in dispenser box.

Plastic Examination Gloves

Clear plastic, individually folded examination gloves.

Professional Towels

For use as patient bibs; both paper and plastic-lined.

*Engages in chemical manufacturing, food processing,
paper manufacturing and converting, agriculture, mining and trading.*

Headquarters Office

7 Hanover Square
New York, New York 10006
(212) 344-1200

● Plants**ARGENTINA**

- 1 Darex S. A. I. y C.
Primera Junta 550, Quilmes
F. C. N. G. R.
Province of Buenos Aires
Tel. 203-0880
- 2 Teroson Argentina S.R.L.
Avenida Velez Sarsfield 5700
Munro, Provincia
de Buenos Aires
Tel. 740-9081

BOLIVIA

- 3 Avicaya Ltda.
Avicaya Lode (Mine)
- 4 Cia. Molinera Boliviana S. A.
Calle Calama No. 42
Casilla 495
Cochabamba
Tel. 4701
- 5 Cia. Molinera Boliviana S. A.
Avenida Vasquez
Casilla 852
La Paz
Tel. 29841
- 6 Estalsa, S.A.
Avicaya Placer (Mine)
- 7 International Mining Co.
Chojlia (Mine)
- 8 International Mining Co.
Tanapaca (Mine)
- 9 Sociedad Boliviana de
Cemento S. A.
Casilla 557
Viacha
Tel. 23615

BRAZIL

- 10 Eriez Produtos Magnéticos e
Metalúrgicos Ltda.
Rua Othao S/N°
Vila Leopoldina—Alto da Lapa
São Paulo
Tel. 32-8188

- 11 Plastar S.A.
Comercia e Industria de
Materias e Produtos Plásticos
Rua Manoel Preto 1401
Caixa Postal 12603
São Paulo
Tel. 61-1106
- 12 Produtos Químicos "Darex,"
Limitada
Avenida Mofarrej No 619
Vila Leopoldina—Alto da Lapa
São Paulo
Tel. 5-0005
- 13 Vulcan Material Plastico S. A.
Estrada do Colegico, 380
Caixa Postal 4400
Rio de Janeiro, G. B.
Tel. 30-9852
- 14 Vulcan Material Plástico S. A.
Estrada da Capela do Ribeirao
Km. 9
Mogi das Cruzes
São Paulo

CHILE

- 15 Industrias Coia S. A.
Calle 1 Poniente No. 1201
Vina del Mar
Tel. 85181
- 16 Industrias Coia S.A.
Casilla 6-D
Vina del Mar
Tel. 159
- 17 Empresa Pesquera Eperva S. A.
San Marcos 120
Casilla 293
Arica
Tel. 1790
- 18 Empresa Pesquera Eperva S. A.
Serrano 302
Casilla 30-D
Iquique
Tel. 485
- 19 Hucke Hermanos S. A. C.
Yungay 2170
Valparaíso
Tel. 7503

COLOMBIA

- 20 Carboquímica, S.A./Industrias
Permapint S.A.
Kilómetro 9 Carretera a Soacha
Bogotá
Tel. 38 02 45
 - 21 Colprotex S.A.
Kilómetro 9 Carretera a Soacha
Bogotá
Tel. 38 02 45
 - 22 Comestibles La Rosa S. A.
Carretera Pereira/Santa Rosa
Apartado Aereo 44
Pereira
Tel. 2645
 - 23 Conservas California S. A.
Carretera al Aeropuerto
Apartado Aereo 1322
Barranquilla
Tel. 60210
 - 24 Ico Pinturas, S. A.
Apartado Aereo 2301
Barranquilla
Tel. 2.02.75
 - 25 Productura de Papeles S. A.
(PROPAL)
Apartado Aerco 4412
Cali
Tel. 60125
 - 26 Química Proco S.A.
Autopista Sur Km-10
Itagui
Tel. 77 00 44
 - 27 Sintéticos S.A.
Calle 31 #44-13
Medellín
Tel. 45 19 00
- COSTA RICA**
- 28 Pozuelo, S. A.
Casilla 1750
La Uruca, San Jose
Tel. 4160
- ECUADOR**
- 29 Industria Cartonera Ecuatoriana
S. A.
Apartado #186
Puerto Nuevo, Guayaquil
Tel. 42040

● Plants (continued)

- 30 Pinturas Ecuatorianas S. A.
(PINTEC)
Avenida de las Americas
Apartado 186
Gusyaquil
Tel. 22065

GUATEMALA

- 31 Alimentos y Conservas
Ducal, S.A.
Carretera del Atlántico, Km. 7.
Guatemala City
Tel. 880537
- 32 Alimentos Kern de
Guatemala S.A.
Km. 6½ Carretera del Atlántico
880182
P.O. Box 379
Guatemala City
Tel. 880-182

MEXICO

- 33 Cueros Artificiales, S. A. de C. V.
San Francisco 102
Apartado 8803
Mexico 1, D. F.
Tel. 27-10-21
- 34 DuBois Mexicana, S.A. de C.V.
Km. 15½ Carretera
Mexico-Pachuca
Santa Clara
Tel. 69-21-70
- 35 Productos Darex, S. A. de C. V.
Km. 15½ Carretera Mexico-
Laredo
Santa Clara
Tel. 69-21-70

NEWFOUNDLAND (CANADA)

- 36 International Fishery &
Fishmeal Ltd.
P.O. Box 801
Stephenville
Tel. (709) 643-2151

PERU

- 37 Cia. "Arturo Field y La Estrella"
Ltda.
Avenida Venezuela 2450
Lima
Tel. 39-200
- 38 Cartavio S. A.
Hacienda Cartavio
Trujillo
Tel. Cartavio No. 3
- 39 Cia. Pesquera "La Gaviota" S. A.
Km. 65 Panamericana Antigua
Chancay
Tel. 77
- 40 Cia. Pesquera "La Gaviota" S.A.
Carretera Paracas
11th Km.
Pisco, Paracas

- 41 Cias. Unidas Vitarte, Victoria,
Inca S. A.
Avenida Argentina 5447
Lima
Tel. 32703

- 42 Cias. Unidas Vitarte, Victoria,
Inca S. A.
Avenida Francisco Pizarro 926
Rimac
Tel. 76570

- 43 Cias. Unidas Vitarte, Victoria,
Inca S. A.
Vitarte
Tel. 32439

- 44 Envases Sanmarti S. A.
Avenida Panamericana 4001
Surquillo, Lima
Tel. 56512

- 45 Fabrica de Pinturas Vencedor
Avenida Venezuela 1901
Lima
Tel. 37088

- 46 International Machinery Co.
(Peru) S.A.
Avenida Venezuela 1901
Lima
Tel. 75200

- 47 Interquímica S.A. & Sudoba S.A.
Apartado 1259
Lima
Tel. 3-0603

- 48 Minsur Partnership Limited
Estacion Santa Lucia
Via Arequipa

- 49 Sociedad Paramonga Ltda.
Avenida Panamericana 4001
Surquillo, Lima
Tel. 57-902

- 50 Sociedad Paramonga Ltda.
Avenida Venezuela 1891
Lima
Tel. 44-960

- 51 Sociedad Paramonga Ltda.
Hacienda Paramonga
Paramonga
District of Pativilca
Tel. Barranca 2131

- 52 Teroson-Peru
Giron Arequipa 271
Casilla 4847
Lima
Tel. 78128

VENEZUELA

- 53 Plásticos y Derivados C.A.
(PLAYDECA)
Final De La Calle Bolivar
Baruta, Estado Miranda
Tel. 77.20.21

- 54 Plastiflex C.A.
Calle Iribarren Borges
Zona Industrial Sur
Valencia, Edo. Carabobo
Tel. 6989

▲ Sales Offices

ARGENTINA

- 55 Darex S. A. I. y C.
Primera Junta 550
Quilmes F. C. N. G. R.
Provincia de Buenos Aires
Tel. 203-0880

- 56 Teroson Argentina S.R.L.
San Martin 570
Capital Federal
Tel. 32-0945

BOLIVIA

- 57 Estalsa, S.A.
Casilla 852
Calle Mercado #1099
La Paz
Tel. 25312

- 58 Grace y Cia. (Bolivia) S. A.
Calle Mercado #1099
Casilla 852
La Paz
Tel. 25099

- 59 International Machinery Co.
(Bolivia) S. A.
Socabaya 301
Casilla 852
La Paz
Tel. 10972

BRAZIL

- 60 Eriez Produtos Magnéticos e
Metalúrgicos Ltda.
Rua Direita, 250
São Paulo
Tel. 35-4632

- 61 Plastar S.A.
Comercio e Industria de
Materiais e Produtos Plásticos
Rua Manoel Preto 1401
Caixa Postal 12603
São Paulo
Tel. 61-1108

- 62 Produtos Químicos "Darex"
Limitada
Rua Direita, 250
São Paulo
Tel. 35-4632

- 63 Vulcan Material Plastico S. A.
Avenida Rio Branco,
156-20 Andar
Caixa Postal 4400
Rio de Janeiro, G. B.
Tel. 42-6010

CHILE

- 64 Grace y Cia. (Chile) S. A.
Morande 341
Casilla 14-D
Santiago
Tel. 1270/1271

A SALES OFFICES (continued)

- 65** Hucks Hermanos S. A. C.
Freire 321
Casilla 53V
Valparaíso
Tel. 7501/7503

COLOMBIA

- 66** Carboquímica, S.A./Industrias
Permapint S.A.
Calle 14 #15-53
Bogotá
Tel. 43 11 38
- 67** Colprotex S.A.
Calle 14 #15-53
Bogotá
Tel. 43 11 38
- 68** Comestibles La Rosa S. A.
Dosquebradas
Apartado Aéreo #44
Pereira
Tel. 2645
- 69** Conservas California S. A.
Apartado Aéreo #1322
Barranquilla
Tel. 60210
- 70** Ico Pinturas, S. A.
Apartado Aéreo #2301
Barranquilla
Tel. 2 02 75
- 71** Productura de Papeles S. A.
(PROPAL)
Apartado Aéreo #4412
Cali
Tel. 60125
- 72** Química Proco S.A.
Apartado Aéreo #919
Medellín
Tel. 45 19 00
- 73** Sintéticos S.A.
Calle 31 #44-13
Medellín
Tel. 45 19 00

COSTA RICA

- 74** Pozuelo S.A.
Casilla 1750
La Uruca, San José
Tel. 4160

ECUADOR

- 75** Grace y Cia. (Ecuador) S. A.
Comercial
Casilla 186
Guayaquil
Tel. 11240
- 76** Grace y Cia (Ecuador) S.A.
Comercial
Avenida 10 de Agosto #255
Casilla 281
Quito
Tel. 16290

GUATEMALA

- 77** Alimentos y Conservas
Ducal, S.A.
Carretera del Atlántico, Km. 7.
Guatemala City
Tel. 88-05-37
- 78** Alimentos Kern de
Guatemala S.A.
Km. 6½ Carretera de Atlántico
880182
P.O. Box 379
Guatemala City
Tel. 880-182

MEXICO

- 79** Cueros Artificiales, S. A. de C. V.
San Francisco 102
Apartado 8803
Mexico 1, D. F.
Tel. 27-10-21
- 80** DuBois Mexicana, S.A. de C.V.
Paseo de la Reforma 510, 2° Piso
Mexico 6, D.F.
Tel. 14-00-18

- 81** Productos Darex, S. A. de C. V.
Leibnitz 34, 3 er. Piso
Apartado M-9150
Mexico City
(Sales Agent for Central
America's Dewey and Almy and
CRYOVAC Product Lines)
Tel. 33-24-40

NEWFOUNDLAND (CANADA)

- 82** International Fishery &
Fishmeal Ltd.
P.O. Box 801
Stephenville
Tel. (709) 643-2151

PERU

- 83** Grace y Cia. (Peru)
Casilla 2488
Lima
Tel. 75000
- 84** International Machinery Co.
(Peru) S.A.
Casilla 1843
Lima
Tel. 75200

VENEZUELA

- 85** Productos Darex S.A.
Edificio "Lex", 4° Piso
Av. Libertador El Rosal
Apartado 5136 Chacao
Caracas
Tel. 33-44-62
- 86** Plásticos y Derivados C.A.
(PLAYDECA)
Cento Comercial Del Este
Local 28-Salana Grande
Caracas
Tel. 71-91-16
- 87** Plastiflex C.A.
Ave. Principal de "Los Ruices"
No. 5
Caracas
Tel. 34-55-21

PRODUCTS**AGRICULTURE****Agricultural Emulsifiers**

A wide line of surfactants used as agricultural emulsifiers and detergent specialties by other industries.

- 26
- ▲ 72

Agricultural Solvents

Liquid mixtures of aromatic and aliphatic solvents. Used in insecticide formulation.

- 20
- ▲ 66

Banana Paste

Fungicide used to prevent deterioration of the banana hand at cut.

- 30
- ▲ 75 - 76

Cattle Feed

A well-balanced feed for cattle. Sold under the trademark "MOREA".

- 51
- ▲ 83

Fish Meal

Reduced from anchovy fish meal, containing 65-67% protein, below 10% fats, and 6-10% water. Available in 100-pound and 50-kilo PE-lined multiwall paper bags and in bulk.

- 17 - 18 - 36 - 39 - 40
- ▲ 64 - 82 - 83

Pesticides

A variety of pesticide compounds which include insecticides for the control and eradication of insects and herbicides for the elimination of weeds.

- 26
- ▲ 72 - 75 - 76

FOOD**Baby Food**

Strained canned baby food.

- 31
- ▲ 77

Biscuits

A complete line of biscuits, including wafers, pretzels, sodas and saltines packed in tins. Also assorted fancy biscuits such as Petit Beurre, Custard Cream and Cafe Noir packed in tins or cartons. Biscuits are available in bulk or in small packages for the consumer trade.

- 19 - 22 - 28 - 37
- ▲ 64 - 65 - 68 - 74 - 83

Candies

A variety of kinds such as hard, filled, and panned candies; caramels; compressed tablets; soft and grained marshmallows, gum drops, and novelty items including bubble gum and lollipops.

- 19 - 22 - 28 - 37
- ▲ 64 - 65 - 68 - 74 - 83

Canned Foods

A variety of canned foods, including vegetables, fruit juices, and a line of tomato products.

- 22 - 23 - 31 - 32
- ▲ 68 - 69 - 77 - 78

Cereals

Baby cereals, pancake mixes and cake mixes.

- 22 - 31
- ▲ 68 - 77

Chocolate Confectionery

A wide selection of chocolate candies including filled and solid chocolate bars, bonbons, and chocolate-covered marshmallows.

- 19 - 22 - 37
- ▲ 64 - 65 - 68 - 83

Cocoa Powder

Sold in bulk to other manufacturers and through retail channels as well.

- 19 - 22
- ▲ 64 - 65 - 68 - 83

Cookies

A wide variety of crackers and biscuits, including both fancy and popular-priced assortments.

- 19 - 22 - 28 - 37
- ▲ 65 - 68 - 74 - 83

Edible Oil

Vegetable and animal oils used for food purposes containing not over 0.1% of free fatty acid.

- 15 - 16
- ▲ 64

Flour, Wheat

Milled wheat used in baking.

- 4 - 5
- ▲ 58 - 64

Fruit Concentrates

For beverages, pastries and juices. Concentrations 12° to 35° Brix. Available in 109 fluid ounce/6 cases (#10-cans) and 5-gallon cans. (Guava, pineapple, mango, papaya and tamarind.)

- 22 - 23 - 31 - 32
- ▲ 69 - 71 - 72 - 77 - 79

Fruit Nectars

Rich in pulp and exotic tropical flavors. Available in 6/48-ounce cases and 12/24-ounce cases. (Guava, pineapple, mango, tamarind, apricot, pear, apple and peach.)

- 22 - 23 - 31 - 32
- ▲ 69 - 70 - 71 - 72 - 77 - 79

Gin

An aromatic, alcoholic liquor sold under agreement with Tanqueray Gordon & Co., London, using "Gordon's" as a trademark.

- 51
- ▲ 83

Jams and Marmalades

Complete line of spreads packed in glass jars.

- 22
- ▲ 68

Margarine

A blend of refined, edible oils churned to the consistency of a spread.

- 15 - 16
- ▲ 64

Meat Products

A wide variety of canned and preserved meats such as sausages, frankfurters, deviled ham, bologna, mortadella, etc.

Canned

- 23 - 31
- ▲ 68 - 77

Preserved

- 31
- ▲ 77

Molasses

Blackstrap molasses, the syrupy liquid which is left after all the sucrose has been removed from sugar-cane juice by concentration, crystallization and separation of the sugar crystals. Used in food, feed and in the production of ethyl alcohol. Available in bulk.

- 38
- ▲ 83

Pudding Powders

Standard chocolate and vanilla puddings, as well as fruit dessert gelatins.

- 22
- ▲ 68 - 83

Rum

An alcoholic liquor distilled from fermented molasses and sold under the trademark "Ron Cartavio".

- 38
- ▲ 83

Sauces and Dressings

Mayonnaise, mustard, vinegar and other table sauces packed in glass jars.

- 22
- ▲ 68

Shortening

An edible fat used for cooking.

- 15 - 16
- ▲ 64

Sugar, Raw

Hard, dry crystals which are odorless and soluble in water. Used as sweetening in the manufacture of food products. Available in bulk, and in jute or multiwall paper bags.

- 38 - 51
- ▲ 83

Sugar, Refined

Processed sugar-cane used particularly in the manufacture of food products as a sweetener. Available in cotton or multiwall paper bags.

- 15 - 38 - 51
- ▲ 64 - 83

Tomato Products

Includes catsup, juice, paste and sauce. Available in cases for retail sale.

- 22 - 23 - 31 - 32
- ▲ 68 - 77 - 78

Vodka

A distilled liquor sold under agreement with Heublein, Inc., Connecticut, under the "Smirnoff" trademark.

- 51
- ▲ 83

MINING & METAL PRODUCTS

Copper

A yellowish-red ductile, very malleable and very good electrical conductor used in the metal and electrical industries.

- 48
- ▲ 83

Cutting Bits

Bits containing 50% cobalt for machine tool applications. Available in plastic boxes, six units each.

- 10
- ▲ 60

Dental Alloys

Cobalt-based alloys for dental prosthesis. Packed in 0.5-kilo plastic boxes.

- 10
- ▲ 55 - 58 - 60 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Grinding Aids

Lignin and amine acetate compounds for increasing mill through-put and effecting reduction of pack-set tendencies in portland and hydraulic cements.

- ▲ 55 - 58 - 64 - 72 - 75 - 76 - 83 - 85

Hard Facing Materials

Cobalt special alloy welding rods for hard facing, heat-resistant or abrasion-resistant overlays.

- 10
- ▲ 60

Magnetic Materials

Several permanent magnetic alloys as well as magnetic equipment for separation and other industrial applications. Available in a variety of sizes and shapes packed in wooden boxes.

- 10
- ▲ 60

Resistance Wire

Nickel-chrome alloy wire for electrical resistance applications. Available on spools.

- 10
- ▲ 60

Tin

Silver-white ductile metal used in the metal industry.

- 6 - 7 - 8 - 48
- ▲ 57 - 58 - 83

Tungsten

A hard, brittle, gray metal also known as wolfram. Used in high-speed tools, electric lamps, dental equipment and penpoints.

- 7 - 8
- ▲ 58

PAPER**Board, Paper**

Several kinds of paper board marketed in rolls and reams, in weights ranging from 250 to 450 grams per square meter. The duplex white board is designed for printing, while the duplex-type board finds use in food containers, etc. Gray and straw boards are sold in weights from 350 to 550 grams per square meter in rolls or reams.

- 25 - 51
- ▲ 71 - 83

Bond and Manifold Papers

Primarily white writing paper; also available in colors. Sold in rolls and reams, in weights from 30 to 120 grams per square meter.

- 25 - 51
- ▲ 71 - 75 - 76 - 83

Bristol Board

Two grades of Bristol-type papers (standard and extra), are available in white and in colors, with one or both sides supercalendered. Sold in rolls or reams in weights from 110 to 250 grams per square meter.

- 51
- ▲ 83

Corrugated Cartons

A large variety of boxes in different weights and sizes, made of corrugated board with two-color printing.

Outside liner is available in white or several colors.

- 29 - 50
- ▲ 75 - 76 - 83

Crossbottom Bags

Square bottom kraft grocery bags.

- 50
- ▲ 83

Folding Boxes

Boxes made of folding-type paperboards in a large variety of sizes, shapes and weights. Wax coatings and offset and lithographic printing are available.

- 44 - 49
- ▲ 83

Grocery Kraft Bags

Square bottom and automatic opening grocery bags, covering all the usual sizes and manufactured with kraft paper. Multicolor printing is available.

- 50
- ▲ 83

Kraft Paper

Wrapping, grocery bag and multiwall bag varieties of kraft papers, ranging in weights from 40 grams per square meter to 180 grams per square meter. Available "Clupak"-processed and polyethylene coated, in rolls and reams, both trimmed to specifications.

- 25 - 50 - 51
- ▲ 71 - 75 - 76 - 83

Liners and Corrugating Medium

Outside and inside liners and corrugating medium are available in rolls with weights from 160 to 350 grams per square meter for liners and 160 grams per square meter for corrugating medium.

- 51
- ▲ 83

Multiwall Paper Bags

Straight kraft or "Clupak"-processed multiwall bags for extensibility. Pasted or sewn bottoms, open mouth and valve-type closing, with optional polyethylene coating. Printing (maximum two colors) and sizes to suit customer requirements.

- 50 - 51
- ▲ 83

Sulfite Paper

An extensive variety of wrapping papers, in yellow, blue, green, pink and white. One side is smooth-finished and suitable for printing. Available in rolls and reams, in weights from 28 to 90 grams per square meter.

- 25 - 51
- ▲ 71 - 83

Tape and Specialty Backings

Latex saturated paper backings for pressure sensitive tapes, waterproof sandpaper, release liners, etc. Available with barrier coats, bonding coats, etc.

- ▲ 81 - 85

Tissue Papers

Tissue papers in handkerchief, napkin and bathroom grades in white, yellow, light blue and pink. Marketed in unconverted form.

- 25 - 44 - 49 - 51
- ▲ 70 - 81

Vinyl Coated Paper

A number of paper products used for wallpaper and shoe manufacturing.

- 13 - 27 - 33 - 54
- ▲ 63 - 73 - 79 - 87

CHEMICALS AND OTHER PRODUCTS

Accelerating and Retarding Admixtures

Aqueous solutions and dry compounds for controlling the time required for initial set of concrete and mortar.

- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Acetate Esters

Butyl, amyl and ethyl acetates used as solvents for lacquers, thinners and artificial leather.

- 38
- ▲ 83

Acetic Acid

Used as an acid, solvent, and reagent in the production of rubber, plastics, pharmaceuticals, dyes, insecticides and in the manufacture of acetate esters.

- 38
- ▲ 83

Adhesive Emulsions

Polyvinyl acetate homopolymer emulsions for adhesives, surface coatings, primer sealers, textile and leather finishes.

- 15 - 16 - 26 - 29
- ▲ 64 - 73 - 75 - 76 - 85

Adhesives

Rubber and neoprene based adhesives used for plastics, paper, metal and some types of wood.

- 2 - 52
- ▲ 56 - 83

Adhesives and Bonding Agents

Resin, latex and polysulfide compounds for masonry patching and resurfacing for plaster bonding and surface bonding of concrete, toppings and aggregates.

- 2 - 26 - 45
- ▲ 55 - 56 - 58 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Air Entraining Additives

Saponified tall oil, lignin and low alkali chemicals which produce controlled air entrainment characteristics in portland cement.

- 1
- ▲ 55 - 58 - 64 - 72 - 75 - 76 - 83 - 85

Air Entraining Admixtures - DAREX AEA

Air entraining agent used in concrete for roads, dams and silos.

- 1
- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Alkyd Resins

A series of heat resistant resins which retain their initial appearance after long exposure to severe weather. Extensively utilized in the paint industry as protective and decorative coatings.

- 15 - 16 - 26 - 45
- ▲ 64 - 72 - 83

Architectural Paints

A complete line of paints for application to wood, metal and masonry for all-weather protection.

- 24 - 26 - 27 - 30 - 45
- ▲ 64 - 70 - 73 - 75 - 76 - 83

Aromatic Solvents

Several liquid industrial solvents, including benzol 90 (90% benzene minimum), toluol (90% toluene minimum), and xylol (90% xylene minimum). Available in 55-gallon drums or in bulk.

- 20
- ▲ 66

Automotive Lacquers

A finish used to obtain a high gloss; available in a wide range of colors.

- 24 - 30 - 45
- ▲ 64 - 70 - 73 - 75 - 76 - 83

Balloons

Neoprene latex, one-piece balloons, primarily for meteorological use. Produced for government weather agencies, government and private research groups and private businesses. Packaged to specification.

- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Battery Dry Charge Process Equipment

High speed drying equipment for processing separators and plates before placement in dry charge batteries. Manufactured to customer specifications.

- ▲ 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Battery Separators, ARMORIB and DARAK

Cellulose plates saturated with phenolic resins with plastic ribs for use as electrical insulators in batteries of automobiles, buses and tractors.

- 1 - 12
- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Battery Separators, Rubber Plate, DARACEL

Microporous rubber separators for use as electrical insulators in automotive batteries.

- 12
- ▲ 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Bleaching Powder

Contains 33% active chlorine and is used for textile bleaching. Packed in 100-pound drums.

- 51
- ▲ 83

Bottles

Polyethylene blown molded bottles.

- 27
- ▲ 73

Calcium Chloride

Sold as 34% solution or as 80% solid. Used for road treatment and for refrigeration.

- 51
- ▲ 83

Can Sealing Compounds

Water dispersion of special rubbers for application to ends of cylindrical, rectangular and oval cans by nozzle, die or high-speed nozzle-type liners. Used for meat, fish, fruit, vegetable and general line tin-plate and aluminum containers. Available in 200-liter drums and 20-kilo pails.

- 1 - 12 - 35
- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Cap and Lid Gasketing Compounds

A number of compounds used in metal caps to seal glass jars containing jams, marmalades, fruit, and vegetables. Includes water dispersions of rubber latex and PVC-based plastisol compounds applied by high speed automatic nozzle liners.

- 1 - 12 - 35
- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Casings, Food Products

Used for liverwurst and bloodwurst, luncheon meat, ground beef and lard. Sold in linear meters. Characteristics similar to those of CRYOVAC bags and films.

- 12
- ▲ 62 - 85

Catalysts

Catalysts for the petroleum industry.

- 1
- ▲ 55

Caulks and Sealants

Polysulfide, rubber and oil base compounds for weatherproofing of masonry, metal, stone, wood and glass in expansion, curtain wall and other construction joints.

- ▲ 55 - 56 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Caustic Soda

The most important commercial caustic. Prepared and sold as a 50% solution. Principle uses are in the paper, edible oil and soap-making industries.

- 51
- ▲ 83

Chlorine

Greenish yellow gas, readily liquifiable, soluble in water and alkalies. Sold as liquid in 150-pound or 2000-pound containers. Used for water purification and textile and pulp bleaching.

- 51
- ▲ 75 - 76 - 83

Coal Tar Enamel

Used to protect underground pipes particularly those carrying petroleum.

- 21
- ▲ 67

Colorants

Finely dispersed pigments and paste for integral mixing in concrete and mortar.

- ▲ 55 - 56 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Compound Application and Drying Equipment

Automatic and semi-automatic lining machines used to apply DAREX and DARASEAL compounds; tunnel dryers used to dry sealing compounds; and equipment for the application of side seam cements.

- 1 - 35
- ▲ 55 - 56 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Copolymer Resins

Styrene-butadiene copolymer resins marketed in granular form; used to reinforce natural and synthetic rubbers where stiffness, hardness and high abrasion resistance with low specific gravity are required.

- ▲ 62 - 85

Coumarone-Indene Resins

Yellowish solid hydrocarbon resins made from coal tar oils. Used in the rubber and paint industries.

- 20
- ▲ 66

Creosotes

Creosote-wood, a solution of coal tar oil, contains cresols and pyridic bases. Available in 55-gallon drums. Creosote-disinfectant, an emulsion of coal tar oils, contains a minimum of 25% phenols and cresols. Used as an agricultural and veterinary disinfectant.

- 20
- ▲ 66

Crown Sealing Compounds

PVC-based plastisol compound which is spun-lined or molded into metal beverage crowns as a replacement for cork liners.

- 1 - 12 - 35
- ▲ 55 - 56 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Densifiers and Water Repellents

Stearate and modified salt solutions for reduction of capillary absorption in cured concrete and mortar.

- 28
- ▲ 55 - 56 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Detergents, Powdered and Liquid

Industrial, housekeeping and maintenance cleaning products.

- 34
- ▲ 80

Dishwashing and Kitchen Sanitation

Machine and hand dishwashing compounds and dispensing control equipment for all water and soil conditions. Also a wide variety of special products for equipment sanitation and maintenance. For use in restaurants, hotels, hospitals, schools and other institutions.

- 33
- ▲ 76

Dispersing Agents

Organic salt of carboxylated polyelectrolyte and polymerized organic salts of naphthalene sulfonic acid produce stable water dispersions of fine insoluble particles.

- 1
- ▲ 55 - 56 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Drawing Emulsions and Drawing Lubricants

A number of water and alcohol dilutions of castor and white oil, used in sheet metal stamping operations to prevent fracture of lacquer coatings and to reduce wear on dies.

- 1 - 12
- ▲ 55 - 58 - 62 - 64 - 72 - 81 - 83 - 85

Electrical Appliances

Radios, television sets and other home appliances.

- 46
- ▲ 84

Enamels

A complete line of interior and exterior enamels for industrial and domestic use. Applicable by roller, brush or spray and sold in a wide range of colors.

- 24 - 30 - 45
- ▲ 64 - 70 - 73 - 75 - 76 - 83

Esters, Dimerginates

Esters of vegetable-oil-derived dimeric acids used for production of resins, polyesters and polyamides.

- 14
- ▲ 63

Ethyl Alcohol

A denatured solvent for industrial use. Available in bulk and smaller containers.

- 15 - 16
- ▲ 84

Exterior/Interior Paints

A wide range of paints used for decorative and protective purposes on metal, wood and masonry.

- 24 - 27 - 30 - 45
- ▲ 64 - 70 - 73 - 75 - 76 - 83

Extruded Products

A number of plastic products including garden hoses and PVC extrusions for the building trade.

- 11 - 27
- ▲ 61 - 73

Fish Oil

Extracted from anchovy, crude grade, below 3% free fatty acid, iodine number 180, Gardner Color 9. Water content below 1%. Available in bulk.

- 17 - 18 - 39 - 40
- ▲ 64 - 83

Flexible Packaging Equipment

Automatic and semi-automatic packaging machines that vacuumize, twist and seal CRYOVAC bags. Tanks and tunnels which utilize hot air or boiling water are available for shrinking CRYOVAC bags or film after the packaging operations.

- 1 - 12
- ▲ 55 - 58 - 62 - 64 - 81 - 83 - 85

Floor Materials

Products to maintain, protect and repair masonry surfaces, including hardeners, toppings, coloring agents, sealers, anti-corrosion treatment, patching compounds and fabrics, cleaners, conditioners and special grouts for tile, terrazzo and machinery bases.

- 24
- ▲ 70 - 85

Flooring Material

Flooring material based on plasticized PVC. Available in different colors and sizes both in rolls and tiles.

- 13 - 27 - 33 - 53
- ▲ 63 - 73 - 79 - 86

Foam Rubber Latex

Sold in form of molded products such as pillows, mattresses, seats, and as thin foam film, with or without textile backing. Available in a variety of sizes and types.

- 13
- ▲ 63

Formaldehyde

A clear, colorless, aqueous solution 37% formaldehyde by weight. Used in the manufacture of phenolic, melamine and urea resins; in plastics, dyes, leather and paper. Available in drums and bulk.

- 15 - 16 - 26 - 45
- ▲ 64 - 67 - 83

Gas Absorbents

Soda lime with indicator, used as carbon dioxide absorbent in anesthesia and basic metabolism determinations. Also used as acid gas absorbent in submarines and certain diving equipment. Packaged in 55-gallon drums, in 5-gallon pails and in one-kilo cans.

- 1
- ▲ 55 - 58 - 62 - 64 - 75 - 76 - 81 - 83 - 85

Hydrochloric Acid

Clear, colorless or slightly yellow liquid with a pungent odor, soluble in water, alcohol and ether. Technical grade, 32%; used in the metal-working, textile and chemical industries.

- 51
- ▲ 63

Industrial Adhesives

A number of adhesive compounds useful for general purposes and special applications. Includes compounds based on polyvinyl acetate, casein, urea-formaldehyde and phenol formaldehyde. Also rubber adhesives for automotive and industrial uses.

- 2 - 13 - 15 - 16 - 25
- ▲ 55 - 56 - 58 - 62 - 63 - 64 - 72 - 75
- 76 - 83 - 85

Industrial Belts

Laminated PVC-impregnated cloth for use on power transmission products such as conveyors and power belts.

- 27
- ▲ 73

Industrial Salt

Prepared from underground brine deposits and sold as the technical grade material. Main users are the chemical industries and textile and soap manufacturers.

- 51
- ▲ 83

Knitted Fibers, Synthetic

Warp knitted materials from acetate and nylon filament thread used for bonding and lining woolen and cotton fabrics. Used for the manufacture of such apparel items as underwear and sleepwear.

- 41 - 42 - 43
- ▲ 83

Lacquer Fillers

For application in wood finishing. Available in quart and gallon cans.

- 24
- ▲ 70

Laminates, Industrial and Decorative

Laminates consist of several phenolic-impregnated paper layers with melamine resin. Principal uses include desk tops, wall coverings and assorted decorator applications. A new related product line consists of phenolic laminates for use in industrial panel boards and electrical circuit boards.

- 27 - 54
- ▲ 73 - 85 - 87

Latex Paints

A 100% latex paint excellent for interior walls, ceilings or woodwork. Available in quart, gallon, 5- and 55-gallon drums. For large construction operations, latex paints are available in one- or 55-gallon containers with minimum orders of 100 gallons.

- 24 - 26 - 30 - 45
- ▲ 64 - 70 - 72 - 75 - 76 - 83

Leather Oils

A number of sulfonated oils for leather tanning.

- 26
- ▲ 72

Lithographic Inks

A wide range of inks for the printing industry.

- 30
- ▲ 75 - 76

Maintenance Paints

Paints, lacquers and primers for application to metal, wood and masonry for protective and decorative purposes.

- 24 - 26 - 30 - 45
- ▲ 64 - 70 - 73 - 75 - 76 - 83

Marine Paints

Anti-fouling paints for application to metal and wooden hulls below the water line. Provides protection against vegetation and marine encrustations. Extra strong weather-resistant paints for decks and the interior and exterior of the superstructure. All marine paints available in quart, gallon, 5- and 55-gallon drums for brush application.

- 24 - 45
- ▲ 64 - 70 - 73 - 83

Melamine Formaldehyde Resins

Synthetic resins of the thermosetting type, made from melamine and formaldehyde. Used for molding compounds and adhesives, particularly in the paper and textile industries.

- 26 - 54
- ▲ 72

Metal Galvanide Primer

Excellent adhesion on all galvanized surfaces. Serves as a base coat and is available in quart, gallon, 5- and 55-gallon drums.

- 24 - 30 - 45
- ▲ 58 - 64 - 70 - 72 - 75 - 76 - 83 - 85

Metal Primers

Red lead primers—suitable for coating bridges, pipelines, and iron and steel structures.

Red oxide primers—for interior and exterior metal surfaces; especially good for weather resistance.

Zinc chromate primers—protect all metal surfaces.

All primers available in quart, gallon, 5- and 55-gallon drums.

- 24 - 30 - 45
- ▲ 58 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Naphthalene

A coal tar derivative used in the manufacture of other petrochemical derivatives, particularly phthalic anhydride.

- 20
- ▲ 66

Pail and Drum Sealing Compounds

Activated rubber base compounds for use on covers, bottoms and double seams of pails and drums. Available in 200-liter drums, 60- and 85-kilo drums and 20-kilo pails.

- 1 - 12 - 35
- ▲ 55 - 58 - 63 - 65 - 72 - 75 - 76 - 81 - 83 - 85

Paint Emulsions

Vinyl acetate copolymer for emulsions, paints, paper coatings, acoustical tile coating and specialty industrial finishes.

- 15 - 16 - 26 - 45
- ▲ 64 - 73 - 83

Paints

Paints, lacquers and varnishes used specifically for decorative and protective purposes on a variety of products including automobiles, cabinets, woodwork and blackboards.

- 24 - 27 - 30 - 45
- ▲ 64 - 70 - 73 - 75 - 76 - 83

Paraformaldehyde

A white solid, insoluble in alcohol and ether, but soluble in a strong alkali solution. Used in the production of resins and as a disinfectant, fumigant and fungicide.

- 15 - 16 - 26
- ▲ 64 - 72

Phenol Formaldehyde Molding Powders

A group of synthetic molding powders important in the manufacture of buttons, bottle caps, radio cabinets, pot handles and washing machine agitators.

- 26 - 54
- ▲ 72 - 87

Phenol Formaldehyde Resins

A number of synthetic resins used in the manufacture of rubber tires, contact adhesives and paints.

- 26
- ▲ 72

Phthalic Anhydride

Solid, organic dibasic anhydride available in white flake form. Used as raw material for production of alkyd resins, plasticizers and organic intermediates.

- 14 - 20
- ▲ 63 - 65 - 66

Pitch

Solid, brilliant black residue of coal tar distillation. Used in road pavement; as raw material for making enamels to protect buried pipelines, to impregnate paperboard, tiles and fabrics; for construction waterproofing, etc. Available in 250-kilo drums or in bulk.

- 20
- ▲ 64 - 65 - 66

Plasticizer

Triacetin plasticizer used in the production of plastics.

- ▲ 56

Plasticizers, Esters, Aliphatic

Liquid esters of aliphatic alcohols and phthalic anhydride. Used to plasticize PVC and other resins. Available in 200-kilo drums.

- 20 - 54
- ▲ 66 - 85 - 87

Plasticizers, Phthalates

A variety of primary phthalate plasticizers are available. Dibutyl and di-isobutyl phthalates are used in adhesives, lacquers, emulsions, heat-sealable paper coatings and in cellophane. Butyl octyl phthalate is a fast fluxing and high solvating vinyl chloride plasticizer. Di-iso-decyl, di-iso-octyl, di-octyl and iso-octyl-iso-decyl phthalates are general purpose plasticizers for polyvinyl chloride and offer optimum performance at low cost in film, sheeting, extrusions and plastisols. Available in 200-kilo drums. (Only butyl octyl, dibutyl and di-iso-octyl phthalates are sold in Brazil.)

- 14 - 15 - 16 - 20
- ▲ 83 - 84 - 86

Plastic Trays

High impact polystyrene used as an inner container for CRYOVAC "S" film-wrapped foodstuffs such as sliced cuts, cut-up poultry, sweets and pastry, sausages and cheese.

- 11
- ▲ 61 - 62 - 63 - 83 - 85

Plastic Tubes, Collapsible

Used for grooming, cleaning and home products; pastes for industrial applications such as adhesives.

- 11
- ▲ 62 - 63

Polyamides

Solid DARAMID—Polyamide based on dimeric acids used for production of varnishes and inks for printing on substrates which present difficulties of adhesion. Also used for production of hot melt adhesives specifically in the shoe industry.

Liquid DARAMID—Polyamide of various viscosities used as epoxy resin curing agents, in production of varnishes, adhesives and molded products.

- 12
- ▲ 62

Polyester Resins

Based on esters of dimeric acids for production of semi-rigid and rigid polyurethane foams. Also a number of polyester resins which are sold to the button industry, boat manufacturers, corrugated laminate manufacturers and tank manufacturers.

- 14 - 15 - 16 - 26
- ▲ 63 - 64 - 72

Polyethylene Film

Embossed and/or printed polyethylene film used as book bindings, table cloths and economy bedspreads.

- 27
- ▲ 73

Polyurethane Foam

Polyurethane and polyester foams are cast and sold either as slabs, cut pieces of finished mattresses, pillows and other products for the furniture and automotive industries. Also thin sheets are produced which are laminated to textiles.

- 13
- ▲ 63

Polyvinyl Acetate Resin

A synthetic resin used in latex water paints, and for adhesives, coatings, lacquers and inks.

- 15 - 16 - 26 - 36 - 45
- ▲ 64 - 72 - 83 - 85

Polyvinyl Chloride Film, Supported

A family of plastic products for use in upholstering furniture and automobile seats.

- 13 - 27 - 33 - 53 - 54
- ▲ 63 - 73 - 79 - 86 - 87

Polyvinyl Chloride Film, Unsupported

A group of plastic products for bookbinding, wallets, women's handbags, oilcloth, shower curtains, rainwear and clothing.

- 13 - 27 - 33 - 53 - 54
- ▲ 63 - 73 - 79 - 86 - 87

Polyvinyl Chloride Molded & Blown

Polyvinyl chloride molded and extrusion blown products.

- 11
- ▲ 62 - 63

Polyvinyl Chloride Pipe

PVC plastic pipe and fittings for conventional pressure piping and industrial drainage systems.

- 11 - 47
- ▲ 61 - 83

Polyvinyl Chloride Resin

Suspension and emulsion homopolymers and copolymers used for molding, extrusion, calendaring and spread coatings.

- 51
- ▲ 83

Polyvinyl Chloride Sheet, Supported

A number of plastic products used for flooring, in buses, buildings and airplanes.

- 13 - 27 - 33 - 53 - 54
- ▲ 63 - 73 - 79 - 86 - 87

Polyvinyl Chloride Sheet, Unsupported

Used in hospitals and for baby cribs.

- 13 - 27 - 33 - 53 - 54
- ▲ 63 - 73 - 79 - 86 - 87

Portland Cement

Very fine gray powder composed of compounds of lime, alumina, silica and iron oxide. Hardens slowly when mixed into a paste with water and does not require air. Used in all types of construction. Available in multiwall bags.

- 9
- ▲ 56 - 59

Pouches

Square CRYOVAC bags, thicker than the standard bag and vacuumized and sealed by a pouch machine. Type 111 pouches are used mainly for small packages of cheese wedges, frankfurters and sausages.

- 12
- ▲ 62 - 64 - 81 - 85

Retarding Additives

Organic formulations for controlling the initial set characteristics of portland and other hydraulic cements.

- ▲ 55 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Sealers

A complete line of concrete, wood-floor, and wall sealers which act both as preservatives and as preparations for further finishes.

- 24 - 30 - 45
- ▲ 64 - 70 - 73 - 75 - 76 - 83 - 85

Seam Dopes

Solvent or water-based liquids used to fix leaking cans. Applied to the flange of cans by brush, spray or felt pad. Available in 200-liter drums.

- 1 - 12
- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Shrinking Bags

Made by extrusion of polyvinylidene chloride copolymer (saran). The resulting tubing is cut crosswise and sealed by radio frequency impulse and in automatic bag machine. CRYOVAC bags are heat shrinkable and impermeable to moisture and oxygen. Normally used for vacuum packing of frozen poultry; fresh, cured and smoked meats; and cheese.

- 1 - 12
- ▲ 55 - 58 - 62 - 64 - 72 - 81 - 83 - 85

Shrinking Films

Polyethylene and polypropylene film for the packaging of toys, phonograph albums, meals, cheeses and bakery items.

- 12
- ▲ 62 - 85

Polyvinylidene chloride film for the packaging of toys, phonograph albums, meats, cheeses and bakery items.

- 12
- ▲ 62

Side Seam Cements

Thermoplastic resin used as replacement of solder in side seams of cans. Applied manually or by automatic applicators at can body makers. Available in 100-kilo drums and 50- and 30-kilo fiber drums.

- 1 - 12
- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Soldering Fluxes, Liquid and Crystal

Water and alcohol solutions of zinc chloride and double salts of zinc and ammonium chloride, as well as crystals used in automatic can lines for soldering operations. Available in 100-kilo drums.

Liquid

- 1 - 12
- ▲ 55 - 58 - 62 - 64 - 81 - 83 - 85

Crystal

- 1 - 12
- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Specialty Products

Architectural, construction and maintenance products related to masonry work, including curing, form coating and cleaning compounds; hardeners and bonding agents; construction equipment and accessories.

- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Stearic Acid

Colorless, odorless, wax-like material used in lubricants, soaps, candles and pharmaceuticals.

- 15 - 16
- ▲ 64

Technical Coatings

Oil, silicone, resin, epoxy and vinyl latex formulations for protection of masonry, wood and steel under particularly severe environmental conditions. Products include heat- and acid-resistant coatings, swimming pool coatings and extra-heavy-duty traffic paints.

- 24 - 26 - 30 - 45
- ▲ 64 - 70 - 73 - 75 - 76 - 83 - 85

Textile Auxiliaries

Number of chemical compounds useful in slashing and finishing textiles.

- 26 - 27
- ▲ 71 - 72 - 73

Textile Finishing Equipment

Automatic washers and dryers used for cleaning and drying textile print blankets. Orbital washers and custom-designed finishing equipment for wet processing of natural and synthetic fabrics.

- ▲ 55 - 62 - 64 - 73 - 75 - 76 - 81 - 83 - 85

Textile Printing Blankets

Roller Printing Blankets: wide, fabric-and-rubber-laminated continuous belts, smooth-surfaced or with embossed surfaces that mechanically entrap excess printing colors.

Screen Printing Blankets: wide, fabric-and-rubber-laminated, continuous, smooth-surfaced belts.

Lapping Blankets: wide, continuous rubber belts faced on both sides with wool and cotton fabric to cushion high-roll pressure exerted during printing operations.

All blankets available in widths and lengths according to customer specification.

- ▲ 55 - 62 - 64 - 73 - 75 - 76 - 81 - 83 - 85

Textiles

Cotton textiles such as poplins, drills, print goods, flannels, sheetings and denims. Finished products go through successive processes such as bleaching, mercerizing, dyeing, roller and screen printing.

- 41 - 42 - 43
- ▲ 83

Thermoplastic Coatings

Wax and resin types used primarily as inner coatings for lead and aluminum collapsible tubes. Also used as heat-sealable protective coatings for paper wrappers. Packaged in 35-pound fiber containers.

- ▲ 55 - 62 - 64 - 72 - 81 - 83 - 85

Thinner

Liquid mixture of hydrocarbons and oxygenated solvents. Used as a diluent for paints, lacquers and other finishes. Available in 55-gallon drums, or in bulk.

- 20 - 24
- ▲ 66 - 70

Toys

This line consists mostly of dolls made by rotational casting of PVC plastisol resins.

- 27
- ▲ 73

Underbody Coatings

Protective underbody coatings based on rubber, bitumen and plastisol for car, bus and truck manufacturers, vehicle dealers and service stations.

- 7 - 8 - 11 - 16 - 25 - 30
- ▲ 46 - 49 - 51 - 57 - 63 - 74 - 82

Urea Formaldehyde

A thermosetting, insoluble, infusible resin made through the combination of urea and formaldehyde. Used in buttons, baking enamels, tableware and textile finishes.

- 26
- ▲ 72

Varnishes

A complete line of finishes for interior and exterior

use on masonry, metal and wood for protection against water, weather, oil and grease.

- 24 - 26 - 30 - 45
- ▲ 64 - 70 - 73 - 83

Wash Primer

An excellent medium to increase the adhesion properties of the finish coats. Applied by spray and available in one-gallon containers only.

- 24
- ▲ 70

Waterproof Canvas

Waterproof fabric for use on jeeps and as tent material.

- 27
- ▲ 73

Waterproofing and Roofing Materials

A variety of moisture control products for metal, wood and masonry.

- 24
- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 83 - 85

Water Reducing Admixtures

Catalyzed dispersing agents for reduction of water/cement ratios in concrete and mortar to increase compressive strengths.

- ▲ 58 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Wetting Agents, CANSURFASS

Additive compounds to improve the performance of lining compounds under adverse lining conditions. Available in 2-kilo or one-gallon cans.

- 1 - 12
- ▲ 55 - 58 - 62 - 64 - 72 - 75 - 76 - 81 - 83 - 85

Wood Lacquers

Finishes used for their decorative and protective properties. Tinting, shading and transparent lacquers available in gallon and quart cans.

- 24 - 26 - 30 - 41
- ▲ 64 - 70 - 75 - 76 - 83

Manufactures, processes and markets a broad line of food products including cocoa, chocolate and confectionery products, desserts, dairy products, pickles and relishes, snack foods, soft drinks, seafoods, canned and frozen foods, jams and preserves, salad dressings, syrups and beer.

Headquarters Office

7 Hanover Square
New York, New York 10005
(212) 344-1200

CHOCOLATE AND CONFECTIONERY DIVISION**● Plants****BELGIUM**

- 1 Leaf Belgium N.V.
Industriepark, Rijksweg
Bornem
Tel. (03) 77-17-71

CANADA

- 2 Leaf Confections Limited
432 Comstock Road
Scarborough, Ontario
(416) 751-0740

FRANCE

- 3 C. J. Van Houten & Zoon
S.A.R.L.
11, rue Lazare Hoche
Boulogne sur Seine
Tel. 605. 71. 40

GERMANY

- 4 C. J. Van Houten & Zoon A. G.
Hubertusstrasse 189, Krefeld
Tel. 28107

IRELAND

- 5 Leaf Limited
Kilcock, County Kildare
Tel. 3367
- 6 Liam Devlin and Sons Limited
49/50 Cork Street, Dublin
Tel. 53612

- 7 Urney Chocolates, Limited
Tallaght, County Dublin
Tel. 592766

JAPAN

- 8 Kabaya-Leaf, Inc.
198 Shimoishii
Okayama City
(Okayama Prefecture)
Tel. 24-4311

NETHERLANDS

- 9 N. V. Cacaofabriek "De Zaan"
P. O. Box 2, Koog Zaandijk
Tel. 02980-80770
- 10 N. V. Drankenindustrie Raak
Hoogstraat 47, Koog aan de Zaan
Tel. 02980-83258
- 11 Koninklijke Fabrieken
C. J. Van Houten & Zoon N. V.
Prinses Irenelaan 7, Weesp
Tel. 02940-7220
- 12 Koninklijke Fabrieken
C. J. Van Houten & Zoon N. V.
Oude Haven 24a, Medemblik
Tel. 02274-541

- 13 Verstuivingsbedrijf "De Zaan
Spray" N. V.
(Non-Confectionery Contract
Spray-Drying)
Energieweg 9, Nunspeet
Tel. 03412-2974

SINGAPORE

- 14 Sheng Huo Enterprise
(Malaysia) Limited
481 Tanglin Halt Road
Tel. 644. 201

UNITED STATES

- 15 Ambrosia Chocolate Co. Division
528 West Highland Avenue
Milwaukee, Wisconsin 53203
(414) 271-2089
- 16 Ambrosia Chocolate Co. Division
3746 North Davidson
Charlotte, North Carolina 28206
(704) 375-3731
- 17 Hooton Chocolate Company
355 Fifth Street
Newark, New Jersey 07107
(201) 485-5385
- 18 Leaf Brands Division
1155 North Cicero Avenue
Chicago, Illinois 60651
(312) 378-6000

▲ Sales Offices**BELGIUM**

- 19 N. V. Handelsmaatschappij
KOMAC
Helmstraat 109
Borgerhout-Antwerp
Tel. 03-35-50-16
- 20 Leaf Belgium N.V.
Industriepark Rijksweg
Bornem
(03) 77-17-71

A Sales Offices (continued)

CANADA

- 21** Leaf Confections Limited
432 Cornstock Road
Scarborough, Ontario
(416) 751-0740

FRANCE

- 22** C. J. Van Houten & Zoon
S.A.R.L.
11, rue Lazare Hoche
Boulogne sur Seine
Tel. 605. 71. 40

GERMANY

- 23** Cacao De Zaan Import-
gesellschaft m. b. H.
P. O. Box 446
Hohle Bleichen 18,
2000 Hamburg 36
Tel. 343056
- 24** C. J. Van Houten & Zoon A. G.
Hubertustrasse 189, Krefeld
Tel. 28107
- 25** Vermittlungsagentur der N. V.
Cacaofabriek de Zaan G.m.b.H.
P. O. Box 44
Schuesselkorb 35, 2800 Bremen 1
Tel. 321340

IRELAND

- 26** Leaf Limited
Kilcock, County Kildare
Tel. 3367
- 27** Liam Devlin and Sons Limited
49/50 Cork Street, Dublin
Tel. 53812
- 28** B. C. Murch & Co. Ltd.
(See Urney Chocolates, Ltd.)
- 29** Urney Chocolates, Limited
Tallaght, County Dublin
Tel. 592768

ITALY

- 30** Van Houten (Italiana) S.R.L.
Via Alessandro Volta 23, Como
Tel. 32896

JAPAN

- 31** Kabaya-Leaf, Inc.
198 Shimoiashii
Okayama City
(Okayama Prefecture)
Tel. 24-4311
- 32** Price Mason & Co.
(Van Houten Sales Agents)
Hasegawa Building
2, 5 - Chome Awajimachi
Higashiku, Osaka
Tel. 202-4896

NETHERLANDS

- 33** N. V. Cacaofabriek "De Zaan"
22 Chulia Street
P.O. Box 2 Koog Zaandijk
Tel. 02980-80770
- 34** N. V. Drankenindustrie Raak
Hoogstrat 47, Koog aan de Zaan
Tel. 02980-83528
- 35** Koninklijke Fabrieken
C. J. Van Houten & Zoon N. V.
Prinses Irenelaan 7, Weesp
Tel. 02940-7220
- 36** Verstuivingsbedrijf "De Zaan
Spray" N.V.
(Non-Confectionery Contract
Spray-Drying)
Energieweg 9, Nunspeet
Tel. 03412-2974

SINGAPORE

- 37** Van Houten (Malaysia) Ltd.
22 Chulia Street
Tel. 77108

UNITED KINGDOM

- 38** Van Houten Limited (Bulk
Products Sales Office)
Hill House, Hill Avenue
Amersham, Bucks
Tel. Amersham 5531/3
- 39** B. C. Murch & Co. Limited
c/o Messrs. Armitage & Norton
Chartered Accountants
Salisbury House, Finsbury Circus
London, E. C. 2
Tel. National 8418
- 40** Grace Brothers, Limited
Glen House, Stag Place
London, S.W. 1
Tel. Victoria 5511

UNITED STATES

- 41** Ambrosia Chocolate Co. Division
3746 North Davidson
Charlotte, North Carolina 28202
(704) 375-3731
- 42** Ambrosia Chocolate Co. Division
528 West Highland Avenue
Milwaukee, Wisconsin 53203
(414) BR 1-2089
- 43** De Zaan, Incorporated
82 Wall Street
New York, N. Y. 10005
(212) HA 5-2656
- 44** Hooton Chocolate Company
339-381 Fifth Street
Newark, New Jersey 07107
(201) 485-5385
- 45** Leaf Brands Division
1155 North Cicero Avenue
Chicago, Illinois 60651
(312) 378-8000
- 46** C. J. Van Houten & Zoon, Inc.
537 Greenwich Street
New York, N.Y. 10013
(212) WA 4-7101

PRODUCTS

Chocolate Liquor (Cocoa Mass)

Obtained by grinding roasted cocoa beans after they have been broken and the shell removed. It is used to make milk and sweet (dark) chocolate or to supply the chocolate flavoring to various kinds of foods. Available in molded form, packed in cartons and boxes, and in liquid form in heated tank trucks.

- 7 - 9 - 11 - 14 - 15 - 17
- ▲ 19 - 22 - 23 - 24 - 25 - 29 - 30 - 32 - 33 - 35
- 37 - 38 - 39 - 41 - 42 - 43 - 44 - 46

Cocoa Butter

Natural fat of cocoa beans, obtained by pressing chocolate liquor. It is sold in bulk for chocolate manufacture and packed as molded cakes or in liquid form in heated tank trucks.

- 3 - 4 - 9 - 11 - 14 - 15
- ▲ 22 - 23 - 24 - 25 - 28 - 30 - 32 - 33
- 35 - 37 - 38 - 41 - 42 - 44 - 46

Cocoa Powder

The pulverized and sifted residue resulting from pressing part of the cocoa butter from chocolate liquor. It is used as a chocolate flavoring material for chocolate drinks, ice cream, confectionery, cookies, prepared cake mixes, syrups, etc. Offered in various ranges of cocoa butter content from 8% to 35%. The most customary grades are 10%-12% (low-fat powder), 16%-18%, and 22%-24% (high fat powder or "breakfast cocoa"). Available in bulk packing or consumer size packages.

- 3 - 4 - 9 - 11 - 14 - 15
- ▲ 19 - 22 - 23 - 24 - 25 - 30 - 32 - 33 - 35
- 37 - 38 - 39 - 41 - 42 - 43 - 44 - 46

Coatings (Three Types)

Chocolate coating, or *couverture*, and confectioner's coating are used to enrobe such products as candy bars, boxed chocolates, cookies, cakes, etc. Chocolate coating is made from chocolate liquor and pure cocoa butter, while "confectioner's coating" uses cocoa powder and hardened vegetable fat. Both types are available in molded form or in liquid form in heated tank wagons. Ice cream novelty coatings are generally made with a vegetable fat having a lower melting point than cocoa butter. They can be made with either chocolate liquor or cocoa powder as the basic flavor ingredient. Available in several sizes of steel drums or in liquid form in heated tank wagons.

Couverture & Confectioner's Coating

- 7 - 11 - 14 - 15 - 16 - 17
- ▲ 19 - 22 - 24 - 29 - 30 - 35 - 37 - 38

Ice Cream Novelty Coating

- 6 - 15 - 16 - 17
- ▲ 29 - 41 - 42 - 44

Chocolate Confectionery Products

Plain and filled bars and tablets, bonbons, and other specialties. Available in consumer size packages and bulk (weigh-out).

- 7 - 11 - 12 - 14
- ▲ 19 - 22 - 24 - 28 - 29 - 30
- 32 - 35 - 37 - 39 - 46

Non-Chocolate Confectionery Products

Licorice products, paste products, boilings, chewing gum, expanded candies, cream filled sugar wafers, novelty confections and other sugar candy products, available in consumer packaging and bulk (weigh-out). In certain countries Van Houten or its sales agents act as distributors for the Van Melle line of sugar confectionery in proprietary or consumer packaging.

- 1 - 2 - 5 - 6 - 7 - 8 - 11
- 14 - 17 - 18
- ▲ 19 - 20 - 21 - 22 - 24 - 26 - 27 - 29
- 30 - 31 - 32 - 35 - 37 - 38 - 45 - 46

Vermicelli

Chocolate sprinkles and various flavors of sugar sprinkles in both consumer and bulk packaging.

- 9 - 11
- ▲ 19 - 22 - 23 - 24 - 30 - 33 - 35 - 37 - 43 - 46

Cookie Drops

Chocolate and non-chocolate miniature drops used in sweet biscuits or cookies, usually along with nut meats. Available in bulk packaging only.

- 11 - 15 - 17
- ▲ 19 - 22 - 24 - 30 - 32 - 35
- 37 - 38 - 41 - 42 - 44 - 46

Milk Chocolate Crumb

Composed of milk, chocolate liquor and sugar and used to make milk chocolate. Available in bulk packaging only.

- 7
- ▲ 29

Puddings and Desserts

Pudding powders and instant desserts, sold as proprietary packaged products for consumer use.

- 3 - 4
- ▲ 22 - 24

Coffee and Tea

Available in consumer or proprietary packaging.

- ▲ 35

Nuts and Soft Drinks

Salted and flavored peanuts, vacuum and non-vacuum packed; carbonated and non-carbonated soft drinks and syrups in consumer size bottles; non-carbonated soft drinks in fountain or self-service dispensers.

Nuts and Bottled Soft Drinks

- 10
- ▲ 34

Non-Carbonated Soft Drinks in Dispensers

- 3 - 10
- ▲ 22 - 35

EUROPEAN CONSUMER PRODUCTS DIVISION

● Plants

BELGIUM

- 48 Eta. Edouard Materne S.A.
22 Rue du Progres
Jambes
Tel. (081) 31523

DENMARK

- 49 Hellerup Fløde Is, A/S
Fabrik Fruedal, Tureby

- 50 Hellerup Fløde Is, A/S
Onsgaardvej 5, Hellerup
Tel. Hellerup 8800

FRANCE

- 51 Compagnie des Restaurants
Jacques Borel S.A.
58 Avenue de Saxe
Paris 15

- 52 S.A. Confitureries Materne
Boué (Aisne)
Tel. (1023) 4

IRELAND

- 53 Hughes Brothers Limited
Hazelbrook Dairy
Rathfarnham, Dublin 14
Tel. 983033

ITALY

- 54 Tanara S.p.A.
Quartiere Buffolara
Marchi Parma
Tel. 68131

SPAIN

- 55 Mantequeras Arias S.A.
Arriendas
Tel. Arriendas 37

- 56 Mantequeras Arias S.A.
Canero
Tel. Casillas 13

- 57 Mantequeras Arias S.A.
Carretera a Toro
Medina de Rioseco
Tel. Medina de Rioseco 53

- 58 Mantequeras Arias S.A.
Jeronimo Ibran 2
Uria 36
Apartado 11
Oviedo
Tel. Oviedo 217-195

UNITED KINGDOM

- 59 Marela Limited
Saunders Ness Road
London E. 14
Tel. East 6021 PABX

▲ Sales Offices

DENMARK

- 60 Hellerup Fløde Is, A/S
Halskovvej 48, Korsør
Tel. Korsør 346

- 61 Hellerup Fløde Is, A/S
Helligkorsvej 4, Raskilde
Tel. Raskilde 2672

- 62 Hellerup Fløde Is, A/S
Slotsgade 50, Nykøbing Falster
Tel. (03) 85 05 55

- 63 Hellerup Fløde Is, A/S
Strandvejen 75 Slagelse
Tel. (03) 524233

- 64 Hellerup Fløde Is, A/S
Vordingborgvej 66, Næstved
Tel. (03) 72 07 70

IRELAND

- 65 Hughes Brothers Limited
Hazelbrook Dairy
Rathfarnham, Dublin 14
Tel. 983033

ITALY

- 66 Tanara S.p.A.
Via Pistoiese 213
Localita Petriolo
Firenze
Tel. 370843

- 67 Tanara S.p.A.
Quartiere Buffolara
Marchi Parma
Tel. 68131

- 68 Tanara S.p.A.
Via Orobia 11
Milano
Tel. 537968

- 69 Tanara S.p.A.
Strada Pontevigodarzere 117
Padova
Tel. 27881

- 70 Tanara S.p.A.
Via Casalberto N E 62
Roma
Tel. 4380600

SPAIN

- 71 Mantequeras Arias S.A.
Garcia Morato 41
Alicante
Tel. Alicante 215-742

- 72 Mantequeras Arias S.A.
Plaza de Catalunya 16
Fontanella 4
Barcelona
Tel. Barcelona 222-1646

- 73 Mantequeras Arias S.A.
Gordoniz 28
Bilbao
Tel. Bilbao 329-305

- 74 Mantequeras Arias S.A.
Cedron Del Valle 33
Lugo
Tel. Lugo 212-941

- 75 Mantequeras Arias S.A.
Conde Miranda 4
Mayor 4
Madrid
Tel. Madrid 248-7315

- 76 Mantequeras Arias S.A.
Fernando De Lesseps 4
Malaga
Tel. Malaga 213-263

- 77 Mantequeras Arias S.A.
Plaza Apostles 5
Murcia
Tel. Murcia 215-864

- 78 Mantequeras Arias S.A.
Jeronimo Ibran 2
Uria 36
Apartado 11
Oviedo
Tel. Oviedo 217-195

- 79 Mantequeras Arias S.A.
Balanguera 20
Palma de Mallorca
Tel. Palma 232-199

- 80 Mantequeras Arias S.A.
Murillo 2
Sierpes 8
Sevilla
Tel. Sevilla 221-800

- 81 Mantequeras Arias S.A.
Cirilo Amoros 10
Maria Cristina 9
Valencia
Tel. Valencia 212-729

- 82 Mantequeras Arias S.A.
San Vincente de Paul
Zaragoza
Tel. Zaragoza 351-526

UNITED KINGDOM

- 83 Marela Limited
Saunders Ness Road
London E. 14
Tel. East 6021 PABX

PRODUCTS**Dairy Products**

Milk, butter, eggs, cheese, cream, ice cream and related products. Available both in consumer and bulk packaging.

- 49 - 50 - 53 - 54 - 55 - 56 - 57 - 58
- ▲ 00 - 01 - 02 - 03 - 04 - 05 - 06 - 07
- 08 - 09 - 70 - 71 - 72 - 73 - 74 - 75
- 76 - 77 - 78 - 79 - 80 - 81 - 82

Herrings and Horseradish Sauces

Filletted Scotch herrings combined with onions or chopped gherkins. Horseradish sauce, horseradish and beetroot sauce. Available in consumer and bulk packaging.

- 59
- ▲ 83

Jams and Preserves

A complete line of jams and preserved fruits. Marmalades, confiture, preserved vegetables and stewed apples are also available in Belgium. Sold through retail outlets in consumer packaging.

- 49 - 52
- ▲ sold through a network of retail distributors.

Olives and Cocktail Varieties

Cocktail olives, olives, cherries and capers in proprietary and bulk packaging.

- 59
- ▲ 83

Pickle Products

Includes onions, piccalilli, gherkins and walnuts, sold in consumer and bulk packaging.

- 59
- ▲ 83

Restaurant and Food Services

Fast service, limited menu restaurant, in-plant feeding and meal voucher restaurant service.

- 51
- ▲ Sold through a network of restaurants, plants and meal vouchers.

Salad Products and Edible Oils

Includes salad cream, beetroot and onion salad, and salad oils; corn oil and cooking oil are also available in proprietary and bulk packaging.

- 59
- ▲ 83

NALLEY'S FINE FOODS DIVISION**● Plants****UNITED STATES**

84 CALIFORNIA, Los Angeles
(90058)
5001 South Soto Street
(213) 582-5121

85 CALIFORNIA, San Leandro
(94577)
1314 Marina Boulevard
(415) 357-7600

86 MONTANA, Billings (59101)
451 Charles Street
(406) 252-6679

87 WASHINGTON, Tacoma
(98411)
3303 South 35th Street
(206) 383-1621

88 WASHINGTON, Spokane
(99220)
4120 East Broadway
(509) 535-1761

CANADA

89 BRITISH COLUMBIA, Vancouver
1330 East 66th Street
(604) 325-3221

90 BRITISH COLUMBIA, Vancouver (Annacis Island)
810 Cliveden Avenue
(604) 521-5536

▲ Sales Offices**UNITED STATES**

91 CALIFORNIA, Los Angeles
(90058)
5001 South Soto Street
(213) 582-5121

92 CALIFORNIA, San Leandro
(94577)
1314 Marina Boulevard
(415) 357-7600

93 MONTANA, Billings (59101)
451 Charles Street
(406) 252-6679

94 OREGON, Portland (97214)
310 South East 12th Avenue
(503) 234-9809

95 WASHINGTON, Seattle (98134)
3201 Fourth Avenue
(206) 622-6484

96 WASHINGTON, Spokane
(99220)
4120 East Broadway
(509) 535-1761

97 WASHINGTON, Tacoma
(98411)
3303 South 35th Street
(206) 383-1621

CANADA

98 BRITISH COLUMBIA, Vancouver
1330 East 66th Street
(604) 325-3221

PRODUCTS**Canned Meats and Convenience Foods**

Includes chili con carne, beef stew, corned beef hash, chicken and beef ravioli, lasagne and canned salads. Available through retail sales in consumer packaging as well as through institutional and private label sales.

- 85 - 87 - 89
- ▲ 91 - 92 - 94 - 96 - 98

Chip Dips

Refrigerated dressings and chip dips of various flavors such as french onion, smoked salmon, dill pickle clam, bleu cheese, garlic and pepperoni. Sold through retail outlets and in institutional and private label sales.

- 87 - 89
- ▲ 91 - 93 - 94 - 95 - 96 - 97 - 98

CONSUMER PRODUCTS GROUP

Chips and Snacks

Differently flavored potato chips, corn chips and twists sold through retail, institutional and private label sales.

- 85 - 87 - 88 - 90
- ▲ 93 - 94 - 95 - 96 - 97 - 98

Dressings

Includes mayonnaise, Tang Salad Dressings, sauces, sandwich spreads, mustards and condiment dressings in a wide variety of flavors sold through retail, institutional and private label sales.

- 87 - 89
- ▲ 92 - 94 - 95 - 96 - 98

Frozen Foods and Perishables

Mexican food consisting of dinners, enchiladas, tacos, tacoettes, tamales, chili and tortillas. Also includes cheese and pepperoni pizzas and salads such as cole slaw, potato salad, macaroni salad and gelatin salads

in several different flavors. Available through retail sales in consumer packaging as well as through institutional and private label sales.

- 84
- ▲ 91

Pickles and Relishes

Sweet, fresh pack, sour and dill pickles, as well as related products such as relishes. Available in retail, institutional and private label sales.

- 87
- ▲ 92 - 94 - 95 - 96 - 98

Syrups

Lumberjack imitation maple syrup and berry syrups in a wide range of flavors including raspberry, blackberry, boysenberry, blueberry and strawberry. Sold primarily in 12-ounce bottles through retail outlets.

- 87 - 89
- ▲ 92 - 94 - 95 - 96 - 98

FROZEN FOODS DIVISION SEAPAK DIVISION

● Plants

99 GEORGIA, St. Simons Island
31522
Sea Pak Corp.
(912) 638-8691

100 GEORGIA, Thunderbolt 31404
Trade Winds Company
(912) EL 4-6711

101 TEXAS, Brownsville 78520
Trade Winds Company
2954 Boca Chica Street
P.O. Box 1867
(512) 546-2211

▲ Sales Offices

102 GEORGIA, St. Simons Island
31522
Sea Pak Corp.
(912) 638-8691

103 GEORGIA, Thunderbolt 31404
Trade Winds Company
(912) EL 4-6711

104 TEXAS, Brownsville 78520
Trade Winds Company
2954 Boca Chica Street
P.O. Box 1867
(512) 546-2211

PRODUCTS

Fish

Frozen cooked and uncooked fish steaks, portions, fillets and breaded fish sticks. Sold through retail outlets and through institutional distribution.

- 99 - 100 - 101
- ▲ 102 - 103 - 104

Shrimp and Shellfish

Frozen cooked and uncooked shrimp, oysters, crabs and shellfish specialties. Available through retail outlets and through institutional distribution.

- 99 - 100 - 101
- ▲ 102 - 103 - 104

MILLER BREWING COMPANY

Brews and markets premium beer (MILLER HIGH LIFE®) through a national network of distributors and produces GETTLEMAN® beer for the Wisconsin area.

● Plants

CALIFORNIA, Azusa (91702)
819 North Vernon Avenue
(213) 334-1291

TEXAS, Fort Worth (76134)
7001 South Freeway
(817) AX 3-3132

WISCONSIN, Milwaukee
(53208)
4000 West State Street
(414) 342-4500

GRACE

GRACE PETROLEUM CORPORATION

Produces high gravity Libyan crude oil.

Headquarters Office

7 Hanover Square
New York, New York 10005
(212) 344-1200

● **Producing Operations Office**

LIBYA

TRIPOLI
P.O. Box 199
Cable: GRACEPETECO.
TRIPOLI

▲ **Sales Office**

UNITED STATES

NEW YORK, New York 10005
7 Hanover Square
(212) 344-1200