THE CHEMICAL FORMULARY

The Chemical Formulary

A Collection of Valuable, Timely, Practical, Commercial Formulae and Recipes for Making Thousands of Products in Many Fields of Industry

VOLUME XII

Editor-in-Chief
H. BENNETT, F.A.I.C.

Director, B. R. Laboratory Miami Beach, Florida



1965

CHEMICAL PUBLISHING CO., INC. 212 FIFTH AVENUE NEW YORK, N. Y.

The Chemical Formulary, Volume XII

© 2011 by Chemical Publishing Co., Inc. All rights reserved. This book is protected by copyright. No part of it may be reproduced, stored in a retrieval system or transmitted in any form or by any means; electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the publisher.

ISBN: 978-0-8206-0066-6

Chemical Publishing Company: www.chemical-publishing.com www.chemicalpublishing.net

© 1965 H.Bennett

First Edition:

© **Chemical Publishing Company, Inc.** - New York 1965-2011 Second Impression:

Chemical Publishing Company, Inc. - 2011

Printed in the United States of America

PREFACE TO VOLUME XII

This new volume of the CHEMICAL FORMULARY series is a collection of new, up-to-date formulae. The only repetitious material is the introduction (Chapter I) which is used in every volume for the benefit of those who may have bought only one volume and who have no educational background or experience in chemical compounding. The simple basic formulae and compounding methods given in the introduction will serve as a guide for beginners and students. It is suggested that they read the introduction carefully and even make a few preparations described there before compounding the more intricate formulae included in the later chapters.

The list of chemicals and their suppliers has been enlarged with new trade-mark chemicals, so that buying the required ingredients will present no problem.

Grateful acknowledgement is made to the Board of Editors for their valuable suggestions and contributions.

H. BENNETT

NOTE: All the formulae in volumes I, II, III, IV, V, VI, VII, VIII, IX, X, XI, XII (except in the introduction) are different. Thus, if you do not find what you are looking for in this volume, you may find it in one of the others.

NOTE: This book is the result of cooperation of many chemists and engineers who have given freely of their time and knowledge. It is their business to act as consultants and to give advice on technical matters for a fee. As publishers, we do not maintain a laboratory or consulting service to compete with them. Therefore, please do not ask us for advice or opinions, but confer with a chemist.

Formulae for which patent numbers are listed can be manufactured only after obtaining a license from the patentees.

PREFACE

Chemistry, as taught in our schools and colleges, concerns chiefly synthesis, analysis, and engineering — and properly so. It is part of the right foundation for the education of the chemist.

Many a chemist entering an industry soon finds that most of the products manufactured by his concern are not synthetic or definite chemical compounds, but are mixtures, blends, or highly complex compounds of which he knows little or nothing. The literature in this field, if any, may be meager, scattered, or obsolete.

Even chemists with years of experience in one or more industries spend considerable time and effort in acquainting themselves with any new field which they may enter. Consulting chemists similarly have to solve problems brought to them from industries foreign to them. There was a definite need for an up-to-date compilation of formulae for chemical compounding and treatment. Since the fields to be covered are many and varied, an editorial board of chemists and engineers engaged in many industries was formed.

Many publications, laboratories, manufacturing firms, and individuals have been consulted to obtain the latest and best information. It is felt that the formulae given in this volume will save chemists and allied workers much time and effort.

Manufacturers and sellers of chemicals will find, in these formulae, new uses for their products. Nonchemical executives, professional men, and interested laymen will make through this volume a "speaking acquaintance" with products which they may be using, trying, or selling.

It often happens that two individuals using the same ingredients in the same formula get different results. This may be due to slight deviations in the raw materials or unfamiliarity with the intricacies of a new technique. Accordingly, repeated experiments may be necessary to get the best results. Although many of the formulae given are being used commercially, many have been taken from the literature and may be subject to various errors and omissions. This should be taken into consideration. Wherever possible, it is advisable to consult with other chemists or technical workers regarding commercial production. This will save time and money and help avoid trouble.

A formula will seldom give exactly the results which one requires. Formulae are useful as starting points from which to work out one's own ideas. Also, formulae very often give us ideas which may help us in our specific problems. In a compilation of this kind, errors of omission, commission, and printing may occur. I shall be glad to receive any constructive criticism.

H. BENNETT

CONTENTS

1.	Introduction	13
2.	Adhesives	41
3.	Ceramics and Glass	7 3
4.	Cosmetics and Drugs	98
	Disinfectants and Deodorants	274
6.	Emulsions	277
7.	Farm and Garden Specialties	291
	Food Products	303
	Inks and Carbon Paper	392
	Lubricants	413
	Metals	416
	Paint and Varnish	447
	Appendix:	
	Tables	483
	Trademark Chemicals	484
	Chemicals and Supplies	485
	Sellers of Chemicals and Supplies	491
	Index	495

	V.	

ABBREVIATIONS

amp	. ampere
	amperes per square decimeter
	amperes per square foot
anhydr	
avoir	
bbl	
Bé	
B.P	
°C	degrees Centigrade
ce	cubic centimeter
od	. current density
cm	. centimeter
cms	
conc	
c.p	
cp	
cu. ft	
cu in	
cwt	
d	. density
dil	
dm	
dm^2	
dr	
E	. Engler
°F	
ffo	free from chlorine
ffpa	free from prussic acid
fl dr	fluid dram
fl oz	fluid ounce
fl pt	. flash point
F.P.	freezing point
ft	foot
ft ²	. square foot
g	gram
	11

galgallon
grgrain
hlhectoliter
hr hour
ininch
kgkilogram
lliter
lb pound
liqliquid
mmeter
minminim, minute
mlmilliliter (cubic centimeter)
mmmillimeter
M.Pmelting point
NNormal
N F National Formulary
ozounce
pHhydrogen-ion concentration
p p mparts per million
ptpint
pwtpennyweight
q.sa quantity sufficient to make
qtquart
r p mrevolutions per minute
secsecond
spspirits
Sp. Grspecific gravity
sq dmsquare decimeter
techtechnical
tinctincture
trtincture
TwTwaddell
USPUnited States Pharmacopeia
vvolt
viscviscosity
volvolume
wt weight

CHAPTER I

INTRODUCTION

The following introductory matter has been included at the suggestion of teachers of chemistry and home economics.

This section will enable anyone, with or without technical education or experience, to start making simple products without any complicated or expensive machinery. For commercial production, however, suitable equipment is necessary.

Chemical specialties are composed of pigments, gums, resins, solvents, oils, greases, fats, waxes, emulsifying agents, dyestuffs, perfumes, water, and chemicals of great diversity. To compound certain of these with some of the others requires definite and wellstudied procedures, any departure from which will inevitably result in failure. The steps for successful compounding are given with the formulae. Follow them rigorously. If the directions require that (a) is added to (b), carry this out literally, and do not reverse the order. The preparation of an emulsion is often quite as tricky as the making of mayonnaise. In making mayonnaise, you add the oil to the egg, slowly, with constant and even stirring. If you do it correctly, you get mayonnaise. If you depart from any of these details: If you add the egg to the oil, or pour the oil in too quickly, or fail to stir regularly, the result is a complete disappointment. The same disappointment may be expected if the prescribed procedure of any other formulation is violated.

The point next in importance is the scrupulous use of the proper ingredients. Substitutions are sure to result in inferior quality, if not in complete failure. Use what the formula calls for. If a cheaper

product is desired, do not prepare it by substituting a cheaper ingredient for the one prescribed: use a different formula. Not infrequently, a formula will call for an ingredient which is difficult to obtain. In such cases, either reject the formula or substitute a similar substance only after a preliminary experiment demonstrates its usability. There is a limit to which this rule may reasonably be extended. In some cases, substitution of an equivalent ingredient may be made legitimately. For example, when the formula calls for white wax (beeswax), yellow wax can be used, if the color of the finished product is a matter of secondary importance. Yellow beeswax can often replace white beeswax, making due allowance for color, but paraffin wax will not replace beeswax, even though its light color seems to place it above yellow beeswax.

And this leads to the third point: the use of good-quality ingredients, and ingredients of the correct quality. Ordinary lanolin is not the same thing as anhydrous lanolin. The replacement of one with the other, weight for weight, will give discouragingly different results. Use exactly what the formula calls for: if you are not acquainted with the substance and you are in doubt as to just what is meant, discard the formula and use one you understand. Buy your chemicals from reliable sources. Many ingredients are obtainable in a number of different grades: if the formula does not designate the grade, it is understood that the best grade is to be used. Remember that a formula and the directions can tell you only part of the story. Some skill is often required to attain success. Practice with a small batch in such cases until you are sure of your technique. Many examples can be cited. If the formula calls for steeping quince seed for 30 minutes in cold water, steeping for 1 hour may yield a mucilage of too thin a consistency. The originator of the formula may have used a fresher grade of seed, or his conception of what "cold" water means may be different from yours. You should have a feeling for the right degree of mucilaginousness, and if steeping the seed for 30 minutes fails to produce it, steep them longer until you get the right kind of mucilage. If you do not know what the right kind is, you will have to experiment until you find out. This is the reason for the recommendation to make small experimental batches until successful results are obtained. Another case is the use of

dyestuffs for coloring lotions and the like. Dyes vary in strength; they are all very powerful in tinting value; it is not always easy to state in quantitative terms how much to use. You must establish the quantity by carefully adding minute quantities until you have the desired tint. Gum tragacanth is one of those products which can give much trouble. It varies widely in solubility and bodying power; the quantity listed in the formula may be entirely unsuitable for your grade of tragacanth. Therefore, correction is necessary, which can be made only after experiments with the available gum.

In short, if you are completely inexperienced, you can profit greatly by experimenting. Such products as mouth washes, hair tonics, and astringent lotions need little or no experience, because they are, as a rule, merely mixtures of simple liquid and solid ingredients, which dissolve without difficulty and the end product is a clear solution that is ready for use when mixed. However, face creams, tooth pastes, lubricating greases, wax polishes, etc., whose formulation requires relatively elaborate procedure and which must have a definite final viscosity, need some skill and not infrequently some experience.

Figuring

Some prefer proportions expressed by weight or volume, others use percentages. In different industries and foreign countries different systems of weights and measures are used. For this reason, no one set of units could be satisfactory for everyone. Thus divers formulae appear with different units, in accordance with their sources of origin. In some cases, parts are given instead of percentage or weight or volume. On the pages preceding the index, conversion tables of weights and measures are listed. These are used for changing from one system to another. The following examples illustrate typical units:

EXAMPLE No. 1

Ink for Marking Glass

Glycerin	40	Ammonium Sulfate	10
Barium Sulfate	15	Oxalic Acid	8
Ammonium Bifluoride	15	Water	12

Here no units are mentioned. In this case, it is standard practice

to use parts by weight throughout. Thus here we may use ounces, grams, pounds, or kilograms as desired. But if ounces are used for one item, the ounce must be the unit for all the other items in the formula.

Example No. 2

Flexible Glue

Powdered Glue	30.90%	Glycerin	5.15%
Sorbitol (85%)	15.45%	Water	48.50%

Where no units of weight or volume, but percentages are given, forget the percentages and use the same method as given in Example No. 1.

Example No. 3

Antiseptic Ointment

Petrolatum	16 parts	Benzoic Acid	1 part
Coconut Oil	12 parts	Chlorothymol	1 part
Salicylic Acid	1 part		

The instructions given for Example No. 1 also apply to Example No. 3. In many cases, it is not wise to make up too large a quantity of a product before making a number of small batches to first master the necessary technique and also to see whether the product is suitable for the particular purpose for which it is intended. Since, in many cases, a formula may be given in proportions as made up on a factory scale, it is advisable to reduce the quantities proportionately.

Example No. 4

Neutral Cleansing Cream

Mineral Oil	80 lb	Water	90 lb
Spermaceti	30 lb	Glycerin	10 lb
Glyceryl Monostearate	24 lb	Perfume	To suit

Here, instead of pounds, ounces or even grams may be used. This formula would then read:

Mineral Oil	80 g	Water	90 g
Spermaceti	30 g	Glycerin	10 g
Glyceryl Monostearate	24 g	Perfume	To suit

Reduction in bulk may also be obtained by taking the same fractional part or portion of each ingredient in a formula. Thus in the following formula:

Example No. 5

Vinegar Face Lotion

Acetic Acid (80%)	20	Alcohol	440
Glycerin	20	Water	500
Perfume	20		

We can divide each amount by ten and then the finished bulk will be only one tenth of the original formula. Thus it becomes:

Acetic Acid (80%)	2	Alcohol	44
Glycerin	2	Water	50
Perfume	2		

Apparatus

For most preparations, pots, pans, china, and glassware, which are used in every household, will be satisfactory. For making fine mixtures and emulsions, a malted-tilk mixer or egg beater is necessary. For weighing, a small, low-priced scale should be purchased from a laboratory-supply house. For measuring fluids, glass graduates or measuring glasses may be purchased from your local druggist. Where a thermometer is necessary, a chemical thermometer should be obtained from a druggist or chemical-supply firm.

Methods

To understand better the products which you intend to make, it is advisable that you read the complete section covering such products. You may learn different methods that may be used and also to avoid errors which many beginners are prone to make.

Containers for Compounding

Where discoloration or contamination is to be avoided, as in light-colored, or food and drug products, it is best to use enameled or earthenware vessels. Aluminum is also highly desirable in such cases, but it should not be used with alkalis as these dissolve and corrode aluminum.

Heating

To avoid overheating, it is advisable to use a double boiler when

temperatures below 212°F (temperature of boiling water) will suffice. If a double boiler is not at hand, any pot may be filled with water and the vessel containing the ingredients to be heated placed in the water. The pot may then be heated by any flame without fear of overheating. The water in the pot, however, should be replenished from time to time; it must not be allowed to "go dry." To get uniform higher temperatures, oil, grease, or wax is used in the outer container in place of water. Here, of course, care must be taken to stop heating when thick fumes are given off as these are inflammable. When higher uniform temperatures are necessary, molten lead may be used as a heating medium. Of course, with chemicals which melt uniformly and are nonexplosive, direct heating over an open flame is permissible, with stirring, if necessary.

Where instructions indicate working at a certain temperature, it is important to attain the proper temperature not by guesswork, but by the use of a thermometer. Deviations from indicated temperatures will usually result in spoiled preparations.

Temperature Measurement

In the United States and in Great Britain, the Fahrenheit scale of temperature is used. The temperature of boiling water is 212° Fahrenheit (212°F); the temperature of melting ice is 32° Fahrenheit (32°F).

In scientific work, and in most foreign countries, the Centigrade scale is used, on which the temperature of boiling water is 100 °Centigrade (100°C) and the temperature of melting ice is 0° Centigrade (0°C).

The temperature of liquids is measured by a glass thermometer. This is inserted as deeply as possible in the liquid and is moved about until the temperature reading remains steady. It takes a short time for the glass of the thermometer to reach the temperature of the liquid. The thermometer should not be placed against the bottom or side of the container, but near the center of the liquid in the vessel. Since the glass of the thermometer bulb is very thin, it breaks easily when striking it against any hard surface. A cold thermometer should be warmed gradually (by holding it over the surface of a hot liquid) before immersion. Similarly the hot thermometer when taken out

Absorption base, Cosmetic, 129	Adhesive(s),
Acne Cream, 224	Polyethylene, 58
Acne Lotion, 252	Polypropylene, 58
Adhesion, Preventing of, 378	Polyurethane flocking, 60
Adhesive(s), Abrasive-Cloth, 48	Polyvinyl alcohol, 69
Acid-resistant, 57	Polyvinyl chloride, 58
	-asphalt, 59
Aerosol, 62	-rubber, 59
Aluminum, 63	Pressure-sensitive, 62
Aluminum-Cork, 50	Rayon-Rubber, 50
Aluminum-Fiber Glass, 49	
Aluminum-Glass, 50	Rubber, 61
Aluminum-Wood, 46	-Canvas, 56
Asphalt-PVC, 59	-PVC, 59
Asphalt tile, 69	-Rayon, 50
Block-Resistant, 54	Rubber tape, 55
Blood, 71	Sanding cloth, 51
Bookbinding, 63	Sandpaper, 48
Building, 64	Arch-support, 57
Butadiene-Styrene rubber, 58	Shoe soles, 56
Carbon, 70	Surgical tape, 55
Cloth (coated), 51	Synthetic rubber, 58
Cloth-Metal, 47	"Teflon," 62
Cloth tape, 51	Tin-Paper, 63
Construction, 64	Vinyl resin, 62
Cork, 47, 50	Adhesive tape, release for, 55
Denture, 211	remover, 56 Advokaat, 379
Felt-Metal, 54	Advokaat, 379
Fiberglass-Aluminum, 49	Aerosol, adhesive, 62
Flame-resistant, 57	Antibiotic, 241
Food packaging, 49	Bandage, 270
Friction tape, 54	Cosmetic cream, 116, 117
Glass, 63	Deodorant, 275
Glass-Aluminum, 50	Dog Shampoo, 302
Glass-Foamed plastics, 60	Garden Insecticide, 297
Glass-Polyvinylchloride, 46	Hair Groom, 172
Glassine, 63	Hair Spray, 186
Hot-Melt, 41–45	Ink, 400
Laminating, 63	hand cleaner, 131
Linoleum, 49, 69	Insecticide, 295
Mastic, 68	Leaf Shine, 299
Metal, 46	Mildeweide, 297
Metal-Felt, 54	Mothicide, 297
Metal-Plastic foam, 60	Shoe Antiseptic, 248
Neoprene soles, 57	Skin Protective, 270
Nylon, 58, 63	Sun-tan, 149
Paper, 62	after-shave lotion, 194
Paper-Tin, 63	Air Freshener, 276
Plastic foam-Metal, 60	Air Sanitizer, 2/4
Plastics, 58	Alcohol, Rubbing, 247, 252
Plastisol, 63	Algicidal Coating, 477
•	408

Aluminum, Coloring, 425	Bleaching Walnuts, 361
Anodized, 431	Blue Cheese Flavor, 378
Degasser for, 433	Blueprints, Ink for, 392
Etching of, 426	Boils, Ointment for, 225
Paint, 447	Brandy, Cherry, 378
Solder, 433, 437	Brass, Hot-Working of, 433
Amalgam, Dental, 435	Bread, Cracked-Wheat, 306
Animal Remedies, 271, 272	Dairy, 304
Anodized Aluminum, Coloring for, 431 Anorexigenic Tablet, 264	Dough for, 304-308
Anorexigenic Tablet, 204	Preventing Mold in, 310
Antacid, Drug, 236	Potato, 304
Suspension, 243	Protein, 308
Tablet, 267	Salty Rye, 307
Antibiotic, Aerosol, 241	for School Lunch, 305
Suspension, 244	Stable Ferment, 307
Vehicle, 224	Vienna, 309
Antifriction Alloy, 434	Brilliantine, 191
Antihelminthic Wafer, 263 Antihistamine, Elixir, 234	Bronchodilator, 238
Antinistamine, Elixir, 204	Bronze, Paint, 447
Ointment, 255	Preserving of, 432
Tablet, 263	Bubble Bath, 203
Antiperspirant, 98	Burns, Dressing for, 227
Antiseptic(s), 127	Burow's Solution Emulsion, 250
Antibiotic Solution, 230	Butter Substitute, 376
Dusting Powder, 246	Calca(a) 219 210
Jelly, 230	Cake(s), 312-318
Spray for Feet, 248	Cheese, 321
Antispasmodic, Pediatric, 254	Rum, 316 Calamina lation, 128, 228
Anti-Static Coating, 479	Callus Remover 228
APC Granules, 259	Callus Remover, 228
Appetite Duller, 256, 390	Can Coatings, 463
Asphalt Emulsion, 285	Candy, 368
Aspirin, Compound Tablet, 262	Carbon Adhesive, 70
Effervescent, 249	Carbon Paper, 403
Elixir, 238, 249	Coating, 408 Pressure-Sensitive, 403
Astringent lotion, 143	
Athlete's Foot Remedy, 247	Thermo-Sensitive, 405 Casting, Precision, 440
Robbo 219	Way Core for 441
Babka, 312 Baby oil 144	Wax Core for, 441 Cotaut Sterilization, 250
Baby oil, 144	Catgut Sterilization, 250
Baby powder, 145 Ball-Point Pen, Alloy, 432	Catsup, 388 Caulking Compounds, 65
Int for 302	Caulking Compounds, 65
Ink for, 393 Reviving 303	Cement, see Adhesive Rubber, 61
Reviving, 393 Renance to Provent Darkening 380	Ceramic Glaze, 75–80
Bananas, to Prevent Darkening, 380 Bath Oil, Pine-Needle, 204	Cheese, Blue, Flavor, 378
Bath Powder, 203 Bedsore Powder, 246	Vegetable, 377 Way Costing for 377
	Wax Coating for, 377
Bee Repellent, 300	Cherry Syrup, 234 Chest Rub, 225
Beer, Improve Flavor, 381	Chest Rub, 225 Chawing Cum, Antiongume, 200
Beer Foam Stabilizer, 381	Chewing Gum, Antienzyme, 209
Belt Dressing, Antislip, 70	Chlorosis, Remedy for, 300
Beverage Powders, 341	Cigarette Deterrent, 247
Beverages, Clarification of, 380	Citrus Flavor, 342
Binder, for Drug tablets, 69 Zein, 262	Citrus Flavor, 342
	Clarification of Beverages, 380 Cleaner; see Shampoo
Bird Repellent, 301	
Bismuth, Ductile Alloy of, 433	Denture, 210

Cleaner,	Cream,
Disinfectant, 274	Medicated, 123
Waterless, 130	Moisture, 111
Coating(s); see Paint; Varnish	Night, 112
Algicidal, 478	Non-greasy, 121
Anti-static, 479	Pore, 118
Flash-Bulb, 478	Powder base, 118
Fungicidal, 478	Protective, 115
Optical Lenses, 23	for Rash, 126
Wrinkle-Finish, 480	Skin-conditioning, 122
for Tablets, 264–267	Sun-tan, 146
of Drug Tablets, 259-261	Vanishing, 124
Cocoa Powder, 379	Vegetable (Coffee), 370
Coconut, Shredded Moist, 380	Washable cosmetic, 111
Coffee Flavor, Imitation, 341	Whipping, 371
	Rouge, 118
Cold Waving of Hair, 179-185	Talc, 120
Coloring, of Aluminum, 425	1 a.c., 120
Citrus Fruit, 379	Descript Provide Preventing 280
Galvanized Iron, 431	Decay of Fruits, Preventing, 380
for Margarine, 377	Demulsifier, 288
Stainless Steel, 430	Dental Amalgam, 435
Compact Face Powder, 120	Cement, 70
Contraceptives, 227, 252	Cream; see Toothpaste
Cookies, 310, 322	Desensitizer, 212
Copy Paper, Heat-Sensitive, 405	Filling, 212
Cordials, Base for, 378	Mold, 440
Corn Kernels, Preserving of, 361	Pulp Capping, 212
Corrosion Inhibitor, 445	Pulp Capping, 212 Solution, Topical, 212
Prevention of, 443	Dentifrice; see Toothpaste
Corticosteroid-Antibiotic Lotion, 251	Liquid, 208
Cough Syrup, 232	Denture, Adhesive for, 211, 212
Crabs, Control of, 300	Cleaner, 210
Crack Fillers, 65	Deodorant, Aerosol, 275
Cream, Aerosol cosmetic, 109, 110	Air, 276
After-shave, 123	Personal, 107
All-purpose cosmetic, 110	for Room, 275
Antiflash Burn, 126	for Toilet, 276
Antiseptic, 114, 123	Depilatory, 107
Baby, 117	Dessert, Frozen, 338
Barrier, 116	Dessert Powder, 337, 338
Bavarian, 370	Die-Casting Alloy, 434
Bleaching, 114	Disinfectant, for Barbers' Instruments
Chocolate, 370	274
Cleansing, 112–114	Cleaner, 274
Coffee, 370	for Dishes, 274
Cold, 110	for Glassware, 274
	Iodine, 273
Day, 111, 122	Perfumed, 273
Dental; see Toothpaste	Pine Oil, 274
Diaper, 117	Soluble Cresylic, 273
Foundation, 120	Dignargion "Fiborgles" 280
Hair, 168–175	Dispersion, "Fiberglas," 289
Hair-waving, 185	Graphite, 289
Hand, 108, 121, 122	Metal Powder, 288
Insect bite, 126	Molybdenum, 289
Kosher (Coffee), 370	Steel, 288
Lanolin, 115	Titanium Dioxide, 289
Lotion, 121	Zinc Stearate, 414
Massage, 118	Dog Shampoo, 301
· ··• / -	• ,

Toy, 450 Enteric Coating, 261

Douche, Vaginal, 227 Doughnuts, 311 Dressing, Salad, 388 Drug Flavorings, 230 Granulations, 258 Ephedrine Sulfate Jelly, 248 Estrone Solvent, 238 Estrone Solvent, 238
Etching, of Aluminum, 426
Chemical, 427
Electrolytic, 428
of Magnesium, 427
of Printing Plates, 427
Semi-Conductor, 427 Syrup, Low-calorie, 232
Tablets, Coating of, 264–267
Dusting, to Prevent, 391 Dye-Carrier Emulsion, 285 Dyeing; see Coloring Dyes, Hair, 186-191 of Zinc, 427 Eye, cosmetics for, 132 Eye Wash, 256 Ear Drops, 255 Egg Liqueur, 379 Face Powder, Compact, 120 Facial mask, 127 Fig Bars, 322 Eggs, Improving Powdered, 390 Electron lishing 490 Fining Agent, 381 Fireproof Paint, 481 Fish Balls, 381 Fish Control, 297 Electropolishing, 429 Embalming Fluid, 272 Emollient; see Cosmetics Emulsifier, 287 Fish Control, 297
Fish Liver, preserving of, 228
Fish Poison, 297
Flavor, of Beer, 381
Blue cheese, 378
Cinnamon, 379
Imitation Fruit, 339, 343 Emulsion(s); see Cosmetics
Adhesive, 69
"Aroclor," 284
Asphalt, 285 -Breaker, 288 Bromoform, 254
Burow's Solution, 250
Citrus Oil, 342
Corn Oil, 388
Creosote, 287
Dillweed Oil, 389
Dye-Carrier, 285
Hydrogen Peroxide, 227
Lindane, 285
Mineral Oil, 391
"Oronite," 283
Paint, 471–473
Paraldehyde, 246
Petrolatum, 256
Pharmaceutical Oil, 246
Pickle Flavor, 389 Bromoform, 254 Pickle, 389 Tobacco, 341
Flavoring of Drugs, 230
Flea Powder, 297
Flint, Lighter, 432
Flocking, Polyurethane foam, 60
Flower Preservative, 300 Flower Preservative, 300
Flux, Arc-Welding, 436
Cast Iron Solder, 437
Lead-Burning, 437
Light Metal, 43
Non-Corrosive Soldering, 435
Tinning, 416
Tinnerton Soldering, 437 Tinning, 416
Tungsten Soldering, 437
Foam, Beer, 381
Root Beer, 380
Foam Bath, Vegetable, 203
Foam Stabilizer, 380
Fondant, 364
Food, Moldproofing of, 390
Foot, Antiseptic for, 248
Deodorant for, 107
Fungicide for, 247
Foot Bath, Sanitizing, 248
Foundry, Molding Sand for, 438
Foundry Core, 439
Wash for, 440
Foundry Investment, 439 Pickle Flavor, 389 Polybutene, 283 Polyethylene, 278–281 Polyvinyl alcohol, 69 Silicone Oil, 287 Sulfisoxazole, 245 Tar, 286
Tripropyl, 287
Vegetable Oil, 246, 285
"Vistanex," 281–283
Enamel, Baking, 451–454
Cast-iron, 80
Drum, 465, 466
Fire-Retardant, 454
Multicolored, 476
Polyamide-Epoxy, 450
Tov. 450 Tar, 286 Foundry Investment, 439 Binder for, 442 Foundry Mold, 439 Binder, 439

Release, 440

Foundry Mold, Spray, Wax, 438 Wash, 439 Decalcomania, 396 Decalcomania, 396
Duplicating, 399
Electrically Conducting, 396
Eradicator, 393
Flexible, 396
Flexographic, 395
Fluorescent Marking, 393
Gravure, 394
Heat-Transfer, 396, 398 Wash, 439
Frankfurter, Vegetable, 382
Frit, Enamel, 81
Fruit-Nut Bars, 323
Fruit, Preventing Decay of, 380
Fudge, 363, 367
Fumigant, Grain, 298
Fungicide, for Skin, 229
for Coating Skins, 256 Heat-Transfer, 396, 398 Hectograph, 406, 407 Indelible, 393 Magnetic, 394 Marking, 393 for Coating Skins, 256 for Wood, 292 Garden Dust, 297 Gastric Sedative, 256 Mimeograph, 402 Moisture-Set, 395 Germanium Mirror, 432 Moisture-Set, 395 Photo-Negative, 392 Printing, 394 Smear-Resistant, 394 Spirit, 406 Stencil, 399 Water Printing, 395 Water-Soluble, 400 White, 392 Germanum Mirror, 43
Germicides, 230
Glass Flux, 74
Foamed, 73
Glaze, Ceramic, 75–80
Matte, 82–85
Textured, 86–97
Glysoroboroboroboro Glycerophosphates Elixir, 237 Gold, Imitation, 434
Grain, Fumigant for, 298
Gravy, 384
Grease; see Lubricant
Grenadine, 379
Gum, Chewing, Antienzyme, 209 White, 392 X-Ray-Opaque, 392 Insecticide, Aerosol, 295 Agricultural, 297 Aldrin, 293 Animal, 295 Ant, 296
Benzenehexachloride, 293
for Cattle, 295
Chlordane, 295
Chordane, 295
Chordane, 295 Haemorrhoid Ointment, 224 Hair Dressing, Gel, 177 —Dyes, 186-191 Concentrate of, 293 DDT, 293 Dieldrin, 293 Groom, 168 Lotion, 176 Lotion, 176
Pomade, 177
Rinse, 178, 191
Spray, Aerosol, 186
Straightener, 178, 191
Tonic, 178
Wave Set, 186
Waving of, 179–185
Hematinic Syrup, 233
Herbicide, Emulsifiable, 298
Hog Scour, 272 for Horses, 295 Lindane, 293 Malathion, 293 for Plants, 295 Rotenone, 297 for Roches, 296 Toxaphene, 293 Iron, Quinine, Strychnine Elixir, 238 Hog Scour, 272 Horseradish, Preserving, 380 Hunger Satisfier, 256 Jam, Low-Calorie, 351 Kaolin-Pectin Suspension, 236 Ice Cream Mix, 371
Pie, 320
Icing, Bakers', 327–329, 334
for Cake, 316
Ink, Aerosol, 400 Ketchup; see Catsup Land Crabs, control of, 300 Lanolin, Soluble, 143 Latex Paint, 471–473 Leaf Shine, Aerosol, 299 Leg Make-up, 118 for Aluminum, 394 Ball Point Pen, 393 Blueprint Correcting, 392 Carbon Paper, 405 Lens coating, Optical, 73 Licorice Paste, 367 Liniment, 253 Carbon Spirit, 406

Lip Rouge, Liquid, 154	Neutron-Absorbing Alloy, 434
Lips, Chapped, Stick for, 154	Nosebleed, Remedy for, 227
Lipstick, 151-154	Nut Wafers, 324
T 1 070	
Liqueur, Egg, 379	Nuts, Coating for, 362
Lithographic Plate Etching, 427	,
	OH T 1 1 .
Liver, Preservation of, 228	Oil; see Lubricant
Lation (a) Pleaching 170	
Lotion(s), Bleaching, 179	Cutting, 414
Calamine, 128, 228	Soluble, 156, 293, 414
Cultumo, 120, 220	O' + D 010 010
Cosmetic, 134–143	Ointment Base, 212-216
	Powdored 198
Hair, 175	Powdered, 128
Neutral Emollient, 251	Washable, 123
Vehicle, 133	Ointment, Medicinal, 215
Lubricant, Anesthetic, 253	Ophthalmic Vehicle, 255
Antiseptic, 229	Organosol Adhesive, 63
	,
Cable (Steel), 415	
Dry, 414	Paint; see Primer
Engine, 415	Acid-Resistant, 471
High-Temperature, 415	Alkaline Surface, 471
Metal-Drawing, 413	Aluminum, 447
Molybdenum Disulfide, 415	Anti-Corrosive, 461
Motor, 415	Artists', 480
Dlogtic 414	
Plastic, 414	Auto Undercoating, 466
Rubber Air-Bag, 414	Barn, 473
Solid, 415	Bronze, 448
Threading, 415	Chemical-Resistant, 468
	Chemical tobleware, 100
for Watches, 413	Concrete, 471, 474
	Dools 479
for Weaving-Looms, 414	Deck, 473
for Wool-Weaving, 414	Fireproof, 481
Zinc Stearate, 414	Flat, 473
Lubricating Grease, Clear, 413	Heat-Indicating, 481
Zazirowing Ground, Groun, 120	
Magnet Moldable 424	Latex, 471-473
Magnet, Moldable, 434	Marine, 461, 471
Make-up, Cosmetic, 118, 119	
Manualada One no 250	Multicolor, 476
Marmalade, Orange, 352	Plastic, 479
Marshmallow Cream, 331	
	Polka-Dot, 476
Marzipan, 368	
Mascara, 132	Porch, 474
N. C. 1 OOF	Reflecting, 479
Massage Stick, 225	
Mastics; see Adhesives	Roof, 473
	Ship, 461
Meat Tenderizer, 383	Omeniula J ATR
Meringue, 330	opecated, 410
	Speckled, 476 Steel, 461
Metal. Etching of, 427	Steel, 461
Metal, Etching of, 427	
	Steel, 461 Swimming-Pool, 471
Polishing of, 429	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481
Polishing of, 429 Activation of Surface, 418	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481
Polishing of, 429 Activation of Surface, 418	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478
Polishing of, 429 Activation of Surface, 418 Mildeweide, Aerosol, 297	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint)
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246
Polishing of, 429 Activation of Surface, 418 Mildeweide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373-375 Soy, 375 Mirror, Germanium, 432	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64
Polishing of, 429 Activation of Surface, 418 Mildeweide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373-375 Soy, 375 Mirror, Germanium, 432	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363
Polishing of, 429 Activation of Surface, 418 Mildeweide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363
Polishing of, 429 Activation of Surface, 418 Mildeweide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373-375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298 Mothicide, Aerosol, 297	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298 Mothicide, Aerosol, 297 Mouthwash, 209	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242 Pen-Nib Alloy, 432
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298 Mothicide, Aerosol, 297 Mouthwash, 209	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242 Pen-Nib Alloy, 432 Pentobarbital Elixir, 236
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298 Mothicide, Aerosol, 297 Mouthwash, 209 Mustard, Strengthening of, 379	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242 Pen-Nib Alloy, 432 Pentobarbital Elixir, 236
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298 Mothicide, Aerosol, 297 Mouthwash, 209 Mustard, Strengthening of, 379	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242 Pen-Nib Alloy, 432 Pentobarbital Elixir, 236 Perfume, 157-167
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298 Mothicide, Aerosol, 297 Mouthwash, 209	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242 Pen-Nib Alloy, 432 Pentobarbital Elixir, 236 Perfume, 157–167 Perfume Oil, Solubilizer for, 156
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298 Mothicide, Aerosol, 297 Mouthwash, 209 Mustard, Strengthening of, 379 Sauce, 389	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242 Pen-Nib Alloy, 432 Pentobarbital Elixir, 236 Perfume, 157–167 Perfume Oil, Solubilizer for, 156
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298 Mothicide, Aerosol, 297 Mouthwash, 209 Mustard, Strengthening of, 379 Sauce, 389 Nail Polish Remover, 155	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242 Pen-Nib Alloy, 432 Pentobarbital Elixir, 236 Perfume, 157–167 Perfume Oil, Solubilizer for, 156 Perspirants, Anti-, 98–107
Polishing of, 429 Activation of Surface, 418 Mildewcide, Aerosol, 297 Milk, Beauty, 143 Chocolate, 376 Reconstituted, 373–375 Soy, 375 Mirror, Germanium, 432 Mold-Prevention, 326, 360, 390 Moth Attractant, 298 Mothicide, Aerosol, 297 Mouthwash, 209 Mustard, Strengthening of, 379 Sauce, 389	Steel, 461 Swimming-Pool, 471 Temperature-Indicating, 481 Traffic, 478 Water, 480 (see Latex Paint) Pan Grease, Bakers', 336 Paraldehyde Emulsion, 246 Patching Compound, 64 Peanuts, Salting of, 363 Sugared, 362 Penicillin-Procaine Suspension, 242 Pen-Nib Alloy, 432 Pentobarbital Elixir, 236 Perfume, 157–167 Perfume Oil, Solubilizer for, 156

Pharmaceutical Oil Emulsion, 246	Protein Cracker,
Ointments, 215-225	Dumplings, Non-Meat, 383
Phenobarbital, Elixir of, 237	Snack, 325
Solution of, 257	Pudding, Non-Starch, 338
Phosphating Metal, 445	Powder, 338
Pickle Liquor, 389	Putty, Non-freezing, 68
Pickling Inhibitor, 442	Lanolin, 68
Salt, for Ham, 389	Plastic, 67
Solution for Bacon, 390	Sash, 69
Pie Crust, 318	Pyrophoric Alloy, 432
Pie Filling, 319	
Pills; see Tablets Pipe Line, Rustproofing, 444	Radioactive Decontaminant, 276
Plants, Antifreeze for, 300	Rancidity in Shortening, to retard, 37
Plastisol Adhesive, 51, 63	Rat-proofing Packaging, 301
Wrinkle-Finish, 480	Repellent, Bee, 301
Plating, Alkaline, 424	Bird, 301
Bismuth, 425	Rat, 301
Black Nickel, 420	Resin, Silicone-Alkyd, 455
Bright Dip, 420	Silicone-Epoxy, 456
Brush, 420	Silicone-Phenolic, 455
Cadmium-Zinc, 421	Synthetic, 455 Rice Costing, 362
Chromium, 425	Rice Coating, 362 Rolls, Brown 'N Serve, 303
Copper, 420, 422	Glaze for, 303
Gold, 420	Root Beer Foam, 380
Iron, 421, 424	Rotproofing Wood, 287
Nickel, 419, 422	Rouge, Cream, 118
Nickel-Silver, 424	Liquid, 154
Non-Electric, 420 Non-Poisonous, 420	Rubbing Alcohol, 247, 252
Platinum, 424	Rug backing, Non-skid, 70
Silver, 423, 424	Rum Syrup, 317
of Steel Hardware, 422	Rust Preventive, 443
Tin, 423	Rustproofing Metal, 443-446
Tin-Nickel, 424	
Uncommon Metals, 417	Sachet, Cream, 115, 157
Zinc, 418, 420	Powder, 246
Zinc-Cadmium, 421	Salad Dressing, 388
Poison Ivy Protectant, 227	Salt, Sodium-Free, Dietary, 255
Polish (Nail) Remover, 155	Substitute, Dietary, 247
Pop-corn, preserving of, 361	Sandpaper adhesive, 48
Potato Sprouting, Preventing, 300 Poultry Worm Remedy, 271	Sanitizer, Air, 274
Primer Chrome Week 458	Swimming-Pool, 276
Primer, Chrome Wash, 458	Sauce, Barbecue, 386
Corrosion Resistant, 469 Epoxy Metal, 460	Beefsteak, 385 Mustard, 389
Housepaint, 460	Mustard, 389 Piquant, 385
Marine, 458	Sea-Food Cocktail, 386
Marine Architectural, 459	Tomato, 387
Metal-Wash, 458	Worcestershire, 387
Red Lead, 458	Scalp Protective, 247
Zinc Chromate, 457	Seal(s); see Adhesives
-Sealer, 473	Glass electrode, 73
Zinc, 459	Porous Casting, 442
Procaine-Penicillin Suspension, 242	Sealant, Construction, 64
Propellant; see Aerosol	Rubber tape, 55
Cosmetic, 174 Protein Cracker, 326	Sealer, Automotive, 47 Seasoning, Soup, 384

Shampoo, Acid Cream, 196 Anti-Seborrhea, 247	Tape, Electrical friction, 54 Tar Emulsion, 286
Coconut, 197	Tea-Sticks, Green, 379
Cream, 196, 199, 202	Teething Cookie, 325
Dandruff, 202	Termite-Proofing, 291
	Thixotropic Coatings, 64
Dog, 301 Dry-Hair, 201	Throat, Lozenge for, 233
	Spray for, 233
Egg, 197 Liquid 201	Tinning, Cast Iron, 416
Liquid, 201 Peal Soan, 107	Copper Wire, 433
Real Soap, 197 Shave (After-) Lotion, 194	Toothache Drops, 211
Sharing Croom Brushless 104	Tooth Cleaner, 210
Shaving Cream, Brushless, 194	Lacquer, 210
Shortening, to Retard Rancidity in, 377	
Silicone Emulsion, 287	Paste, 204
Siliconized Linseed Oil, 454	Ammoniated, 207
Silver Firestain, Preventing, 434	Chlorophyll, 206
Skin Darkener, 150	Enzyme-Stimulating, 206
Paste, 256	Tyrothricin, 208
Protective, Aerosol, 270	Powder, 208
Smoking Deterrent, 247	Whitener, 210
Sodium-Free Dietary Salt, 255	Topping, Bakers', 331, 334
Solder, Aluminum, 433, 437	for Ice-Cream, 352-360
Aluminum-Stainless Steel, 436	Tree Wound, Dressing for, 300
Cast Iron, 435	Typewriter Ribbons, Regenerator, 412
Chromium Plate, 437 Flux-Containing Wire, 435	Ulcer (Peptic) Remedy, 257
Fluxless Aluminum, 436	Vaginal Douche, 227
Nickel Plating, 437	Varnish, Aluminum, 447
Non-Tarnishing, 438	Can-Coating, 463
Stainless Steel, 435	Crown Cap, 448
Titanium, 436	Floor, 475
Tungsten Carbide, 435	Heat-Resistant, 467
Tungsten Carbide-Stainless Steel, 437	Litho, 464
Soup, Beef Base, 384	Satin, 475
Seasoning for, 384	Short-Oil, 450
Spray, Insect; see Insecticide	Spar, 449
Steel, Blackening of, 430	Vegetables, Preventing Decay of, 380
Dispersion, 288	Vesicant, Decontaminant, 128
Stencil, Duplicating, 400	Vitamin A, Aerosol Foam, 240
Ink for, 399	C, Syrup, 234
Sterilizing Solution, Catgut, 250	Syrup, Multiple, 235
Sulfisoxazole Emulsion, 245	Tablet, Multi-, 268
Sunscreen, Cosmetic, 146	
Sun-Ten Creem 146	Watch Lubricant, 413
Sun-Tan Cream, 146	Wax Casting, Lost, 441
Suppository, Base for, 226	Weed-Killer; see Herbicide
Vaginal, 226	Whiskey, Clarification of, 380
Surgical Tape, Adhesive, 55	Wine Fining Agent, 381
Suspension, Powder; see Dispersion Swimming Pool Sanitizer, 276	Whooping Cough Emulsion, 254
Swimming Pool Sanitizer, 276	Wood Preservative, 287, 291
Syrup, Fountain, 345–351	Worm Remedy, 263 for Poultry, 271
Tablet(s), Drug, binder for, 69	
	X-Ray Print Ink, 392
Coating of, 259–261, 264–267	21 100 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0
Coating of, 259-261, 264-267 Granulation Binder, 262	
Granulation Binder, 262	Shield for Skin, 248
Granulation Binder, 262 Multi-Layer, 266	
Granulation Binder, 262	Shield for Skin, 248