

physical sciences data 18

solubility of gases and solids

a literature source book

Part A

jaime wisniak

and

mordechay herskowitz

elsevier

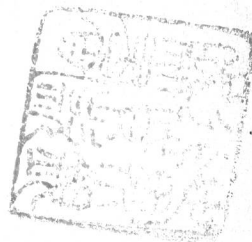
0645-63

W1

pt A

physical sciences data 18

8664003



solubility of gases and solids

a literature source book

Part A



jaime wisniak

and

mordechay herskowitz

Department of Chemical Engineering,

Ben Gurion University of the Negev, Beer-Sheva, Israel 84105



ELSEVIER

Amsterdam — Oxford — New York — Tokyo 1984

860.311
ELSEVIER SCIENCE PUBLISHERS B.V.
Molenwerf 1
P.O. Box 211, 1000 AE Amsterdam, The Netherlands

Distributors for the United States and Canada:

ELSEVIER SCIENCE PUBLISHING COMPANY INC.
52 Vanderbilt Avenue
New York, NY 10017

Library of Congress Cataloging in Publication Data

Wisniak, Jaime.
Solubility of gases and solids.

(Physical sciences data ; 16)

1. Solubility--Bibliography. I. Herskowitz, Mordechai.

II. Title. III. Series.

Z5524.S64W57 1984 [QD543] 016.5413'42 84-1495

ISBN 0-444-42300-1 (set)

ISBN 0-444-42298-6 (pt. A);

ISBN 0-444-42299-4 (pt. B)

ISBN 0-444-42298-6 (Vol. 18A)
ISBN 0-444-41689-7 (Series)

© Elsevier Science Publishers B.V., 1984

All rights reserved. No part of this publication 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, Elsevier Science Publishers B.V., P.O. Box 330, 1000 AH Amsterdam, The Netherlands.

Printed in The Netherlands.

physical sciences data 18

solubility of gases and solids

Part A



To

Anita, Daniel, Debora, Miriam and Ariel Wisniak

Naomi, Tzachi and Tali Herskowitz

לדעת חכמה ומוסר לחבין אמרי בינה:
 לקחת מוסר השכל צדק ומשפט ומשרים:
 לתת לפתאים ערמה לנער דעת ומזמה:
 ישמע חכם ויוסף לקח ונבון תחבלות יקנה.
 משלי א' 2-5

TO KNOW WISDOM AND INSTRUCTION ; TO PERCEIVE
 THE WORDS OF UNDERSTANDING ;
 TO RECEIVE THE INSTRUCTION OF WISDOM, JUSTICE
 AND JUDGMENT, AND EQUITY ;
 TO GIVE SUBTILITY TO THE SIMPLE, TO THE YOUNG
 MAN KNOWLEDGE AND DISCRETION.
 A WISE MAN WILL HEAR, AND WILL INCREASE
 LEARNING ; AND A MAN OF UNDERSTANDING
 SHALL ATTAIN WISE COUNSELS.

Proverbs 1:2-5

PREFACE

Solubility data are one of the basic properties required in the design of processes in all branches of applied science and technology as well as in the development of fundamental theories. The solubility of drugs or gases in biological fluids is important in medicine and pharmacology while the solubility of fertilizers in water is important in agriculture. The design of an absorption column, a crystallizer or a chemical reactor requires solubility data of gases or solids in liquids as a function of temperature and pressure.

The solubility of gases and solids in liquids has been measured and published for over a century. As a result, a vast amount of information is available in journals, books, reports and other means of publication. However, the diversity of applications renders the search for such data difficult.

The purpose of this book is to provide a quick and organized reference source to the literature published on solubility of gases and solids in liquids, up to 1983. Most of the material was gathered from Chemical Abstracts and other reference books. The extensive search yielded about 15,000 references found to contain pertinent material. Inorganic and organic compounds are covered as well as the solubility of solids in supercritical gases. This reference source should be useful for people working in chemistry, chemical engineering, biology, medicine, pharmacology and agronomy.

Recently IUPAC has initiated the Solubility Data Project which includes the compilation and critical evaluation of the solubility of specific gases and solids. The references included in the IUPAC solubility books are specifically identified.

We would like to express our deepest thanks to the Ben-Gurion University of the Negev for providing encouragement and generous assistance, to the Computer Center for their technical help, and to Moshe Golden who prepared and handled the computer work in the most skillful way.

Jaime Wisniak
Mordechai Herskowitz

Beer Sheva, October 1983

באר-שבע, חשוון תשמ"ד

GUIDE TO TABLES

The sequence of systems in the Tables is based on the empirical convention used in Chemical Abstracts. The compounds are arranged in order of increasing C and H, with the remaining compounds in alphabetical order. For a given leading solute, the binaries are reported first, followed by ternary, quaternary and higher order systems. Reference is made only to the solute, not the solvent(s).

An arbitrary classification formula has been assigned to those compounds which do not have a specified composition, or for the few that have too long a global formula. A dictionary is provided for their identification. The reader is requested to familiarize himself with the dictionary before using the tables. Many references do not identify the isomer; hence it is recommended that all components having the same global formula be checked.

Most references are provided with their Chemical Abstracts number. This should prove useful for journals that are difficult to obtain. References that have been reviewed in the IUPAC Solubility Data Project are identified with the symbol *.

This book is divided into two parts. Part A contains compounds from A to ClH_4NO_4 and Part B, compounds from ClH_5N_2 to Z, and the references.

AC101	ACACIA
AC160	ACID MEDIUM
AC190	ACTDS
AC230	ACTINOMYCIN
AD210	ADP
AE100	AEROSOL
AI100	AIR
AL130	ALBUMIN
AL135	ALBUMIN, HUMAN
AL155	ALCOHOL SYSTEMS
AL160	ALCOHOLS
AL175	ALCOHOLS C12-C15
AL190	ALCOHOLS C2-C16
AL215	ALCOHOLS C6-C8
AL225	ALCOHOLS MIXTURE(C12-C15)
AL227	ALCOHOLS, ALDEHYDES, KETONES AND CARBOXYLIC ACIDS
AL270	ALIPHATIC ALCOHOLS
AL504	ALKANES
AL508	ALKANES C5-C16
AL815	ALPHA-CYCLODEXTRIN
AL835	ALPHA-GLOBIN
AL841	ALPHA-P-TOLYLETHYLAMINE-J-ALPHA-BROMOCAMPHOR-PI-SULFONATE-D
AL842	ALPHA-P-TOLYLETHYLAMINE-JL-ALPHA-BROMOCAMPHOR-PI-SULFONATE-DL
AL843	ALPHA-PHENYLETHYLAMINE-D-ALPHA-BROMOCAMPHOR-PI-SULFONATE-L
AL845	ALPHA-PHENYLETHYLAMINE-DL-ALPHA-BROMOCAMPHOR-PI-SULFONATE-DL
AL846	ALPHA-PHENYLETHYLAMINE-JL-ALPHA-BROMOCAMPHOR-PI-SULFONATE-D
AL847	ALRONAL
AL848	ALUMINOSILICATE
AL870	ALUMINUM AMINOPYRINE-CHROMIUM HEXATHIOCYANATE
AL880	ALUMINUM HELIANTHATE HEXAHYDRATE
AL890	ALUMINUM 5-CHLORO-7-iodo-8-HYDROXYQUINOLINATE
AM170	AMINES
AM235	AMMONIUM GERMANOMOLYBDATE
AM245	AMMONIUM SILICOMOLYBDATE
AM275	AMSCO 123-15
AN105	ANALCITE
AN120	ANIONS
AN125	ANISE OIL
AN160	ANTIFOLIN
AP100	APATITE
AP110	APIEZON OIL
AP120	APRICOT OIL
AQ101	AQUASOL
AQ135	AQUEOUS ELECTROLYTE
AQ350	AQUEOUS WEAK ELECTROLYTE-NONELECTROLYTE
AR101	ARGININE PHOSPHOTUNGSTATE
AR114	AROCHLOR 1242
AR116	AROCHLOR 1248
AR118	AROCHLOR 1254
AR120	AROMATIC HYDROCARBONS
AR125	AROMATIC MIXTURE
AR130	AROMATIC OIL
AR135	AROMATIC PETROLEUM FRACTIONS
AR136	AROMATICS C10
AR137	AROMATICS C11
AR170	ARSENAZO III
AT100	ATP
AV100	AVIATION FUEL
AZ120	AZOLITHIN
BA119	BARIIUM BROMOBENZENESULFONATE
BA121	BARIIUM ANTHRAQUINONE 1,8-DINITROSULFONATE
BA122	BARIIUM ANTHRAQUINONE 1,8-CHLOROSULFONATE TRIHYDRATE
BA123	BARIIUM ANTHRAQUINONE 1,8-NITROSULFONATE
BA124	BARIIUM BIS(IMINODIACETATE)COBALT(II)
BA125	BARIIUM BIS(IMINODIACETATE)COPPER(II)
BA126	BARIIUM BIS(IMINODIACETATE)IRON(II)
BA127	BARIIUM BIS(IMINODIACETATE)MANGANESE
BA128	BARIIUM BIS(IMINODIACETATE)NICKEL(II)
BA129	BARIIUM BIS(P-CHLOROPHENYL)PHOSPHINATE
BA131	BARIIUM BROMOSULFONACETATE DODECAHYDRATE
BA132	BARIIUM HELIANTHATE TETRAHYDRATE
BA133	BARIIUM HEXATHIOCYANOSULFONATE
BA134	BARIIUM 5-CHLOROBENZENESULFONATE
BA135	BARIIUM NAPHTHALENE-1,4-CHLOROSULFONATE DIHYDRATE
BA136	BARIIUM NAPHTHALENE-1,5-CHLOROSULFONATE DIHYDRATE
BA137	BARIIUM NAPHTHALENE-1,5-DINITRO-2-OL-7-SULFONATE
BA138	BARIIUM NAPHTHALENE-1,5-DINITRO-2-OXY-7-SULFONATE
BA139	BARIIUM NAPHTHALENE-2,1-CHLOROSULFONATE
BA141	BARIIUM 2-CHLOROBENZENESULFONATE
BA142	BARIIUM P-TODOBENZENESULFONATE
BA143	BARIIUM TARTRATE SEMIHYDRATE
BA144	BARIIUM 2,5-DIODOBENZENESULFONATE
BA145	BARIIUM 7-iodo-8-QUINOLINOL-5-SULFONATE
BA170	BASALT
BA260	BASIC MEDIUM
BE101	BEEF BRAIN
BE162	BEEF TALLOW

XII

BE110 BENZENE CUT, 50-95 DEGREES BOILING RANGE
BE125 BENZINE
BE135 BENZOPURPURIN
BE162 BENZYLPHENETHYLAMINE-PENICILLINE-G
BE164 BENZYLPHENETHYLAMINE-PENICILLIN V
BE185 BERYLLIUM HEXAAMINECOBALT(III) CARBONATE HYDROXIDETRIHYDRATE
BE220 BETA-LACTOGLOBULIN
BI100 BILE SALTS
BI104 BIOLOGICAL FLUIDS
BI152 BISMUTH(III) 4-METHYL-6-MERCAPTOQUINOLINATE
BI154 BISMUTH(III) 6-METHYL-8-MERCAPTOQUINOLINATE
BI156 BISMUTH(III) 7-METHYL-8-MERCAPTOQUINOLINATE
BI201 BIS(ETHYLENEDIAMINE)COBALT(II) THIOCYANATE PERRHENATE
BI202 BIS(ETHYLENEDIAMINE)OXALATOCCOBLT(III) OXALATE
BI203 BIS(ETHYLENEDIAMINE)OXALATOCCOBLT(III)-3-BROMOCAMPHOR-9-SULFONATE
BI204 BIS(CAMPA-PICOLINE)COBALT(II) CHLORIDE PERRHENATE
BI212 BIS(PYRIDINE)COBALT(II) CHLORIDE PERRHENATE
BI225 BITUMEN AND HEAVY GAS OILS
BL100 BLOOD
BL110 BLOOD CELLS
BL120 BLOOD COMPONENTS
BL130 BLOOD COMPONENTS, HUMAN
BL140 BLOOD PLASMA, HUMAN
BL150 BLOOD, ANIMALS
BL160 BLOOD, BOVINE
BL170 BLOOD, DOG
BL175 BLOOD, EEL
BL180 BLOOD, HUMAN
BL190 BLOOD, OX
BL200 BLOOD, RABBIT
BL210 BLOOD, SALINE
BR103 BRAIN
BR106 BRAIN, HUMAN
BR122 BRIJ 35
BR124 BRIJ 58
BR125 BRIJ 78
BR126 BRINE
BR128 BRINES
BR170 BROMOPENTAAMINOCOBALT (III) CHROMATE
BR180 BROMOPENTAAMINOCOBALT HEXAFLUOROSILICATE
BR190 BROMOPENTAAMINOCOBALT OXALATE
BR200 BROMOPHOS
BU100 BUFFER
BU130 BUTTERFAT
BU135 BUTTER OIL
CA101 CADMIUM ANTIPIRYNE BROMIDE
CA102 CADMIUM ANTIPIRYNE THIOCYANATE
CA125 CADMIUM HELIANTHATE TETRAHYDRATE
CA145 CADMIUM 7-iodo-5-QUINOLINOL-5-SULFONATE
CA151 CALCIUM ANTHRAQUINONE 1,5-CHLOROSULFONATE DIHYDRATE
CA152 CALCIUM ANTHRAQUINONE 1,5-CHLOROSULFONATE DIHYDRATE
CA153 CALCIUM ANTHRAQUINONE 1,7-CHLOROSULFONATE DIHYDRATE
CA154 CALCIUM ARSENATE HYDROXYAPATITE
CA155 CALCIUM BIS(P-CHLOROPHENYL)PHOSPHINATE
CA156 CALCIUM HELIANTHATE TETRAHYDRATE
CA157 CALCIUM HEXATHIOCYANOSCANDATE
CA158 CALCIUM M-CHLOROBENZENESULFONATE
CA159 CALCIUM NAPHTHALENE-1,4-CHLOROSULFONATE
CA159 CALCIUM NAPHTHALENE-1,5-CHLOROSULFONATE
CA159 CALCIUM NAPHTHALENE-3,4-CHLOROSULFONATE
CA161 CALCIUM P-CHLOROBENZENESULFONATE
CA162 CALCIUM PHOSPHATE DIASIC TETRAUREA
CA164 CALCIUM PHOSPHATE TETRAUREA
CA172 CALCIUM SULFATE SEMIHYDRATE
CA174 CALCIUM 1,8-ANTHRAQUINONECHLOROSULFONATE TETRAHYDRATE
CA176 CALGON
CA265 CARBOXYHEMOGLOBIN
CA315 CARBOXYMETHYL CELLULOSE
CA317 CARBOXYPOLYMETHYLENE
CA318 CARMINE
CA319 CARRAGEENANS
CA320 CASEIN
CA336 CASTOR OIL
CA345 CATION EXCHANGERS KU-1, KU-2
CA370 CATIONS
CE103 CELESTINE
CE104 CELL PLASMA SUSPENSIONS
CE105 CELLULOSE OCTAACETATE
CE106 CELLULOSE
CE107 CELLULOSE
CE108 CELLULOSE
CE109 CELLULOSE
CE110 CELLULOSE ACETATE
CE140 CELLULOSE TRIACETATE
CE165 CEPHALIN
CE182 CERIUM HYDROQUINONEMETHYLENEIMINE DIACETATE
CE184 CERIUM M-NITROBENZENESULFONATE HEXAHYDRATE
CE186 CERIUM PYROGATECHOLMETHYLENEIMINE DIACETATE
CE186 CERIUM RESORCINOLMETHYLENEIMINE DIACETATE

CE210	CESIUM DECATUNGSTATO3 INIOBOSILICATE
CE230	CESIUM LEAD ACETATE FERRICYANIDE
CE240	CETOMACROGOL 100
CE250	CETOMACROGOL 1000
CH141	CHLORINATED DECANE
CH142	CHLORINATED PARAFFIN
CH143	CHLOROISOTHIOCYANATO3IS(ETHYLENEDIAMINE) COBALT BROMIDE, TRANS
CH144	CHLOROISOTHIOCYANATO3IS(ETHYLENEDIAMINE) COBALT CHLORIDE, TRANS
CH145	CHLOROISOTHIOCYANATO3IS(ETHYLENEDIAMINE) COBALT IODIDE, TRANS
CH146	CHLOROPENTAAMINOCOBALT(III) CHROMATE
CH147	CHLOROPENTAAMINOCOBALT(III) HEXAFLUOROSILICATE
CH148	CHLOROTHIOCYANATOBI3(ETHYLENEDIAMINE) COBALT BROMIDE
CH210	CHLORPYRIFOS
CH230	CHLORPYRIFOS
CH241	CHLORPYRIFOS-2-SULFATE
CH242	CHROMIUM ANTIPIRYRINE-5 CHROMIUM HEXATHIOCYANATE
CH243	CHROMIUM ETHYLENE DIAMINE-AZIDE PERCHLORATE, CIS
CH244	CHROMIUM HELIANTHATE HEXAHYDRATE
CH340	CHROMIUM (HIGH)-FERRITIC STEELS
CL020	CHRYSLITE
CO050	CLINDAMYCIN 2-PALMITATE HYDROCHLORIDE
CO061	COAL TAR
CO062	COBALT ANTIPIRYRINE THIOCYANATE
CO063	COBALT ANTIPIRYRINE THIOCYANATE DIBASIC
CO064	COBALT BIS(DIMETHYLGLYOXIMATE) CHLORIDE
CO065	COBALT BIS(DIMETHYLGLYOXIMATE) CHLORIDE MONOHYDRATE
CO066	COBALT DIANTIPIRYLMETHANE THIOCYANATE
CO067	COBALT HELIANTHATE TETRAHYDRATE
CO068	COBALT NAPHTHALENE-5,1-CHLOROSULFONATE
CO069	COBALT NAPHTHALENE-6,2-HYDROXYSULFONATE
CO070	COBALT NAPHTHENATE
CO071	COBALT O-XYLOL SELENATE PENTAHYDRATE
CO133	COBALT TETRAPYRIDINE DICHROMATE
CO160	COCA BUTTER
CO162	COO LIVER OIL
CO164	COLLAGEN
CO205	COLLOIDS
CO225	CONGO RED
CO235	COPPER PALLADIUM TITANIUM(0.5:0.5:2)
CO240	7-CO-RAL
CO255	CORN OIL
CO260	CORN STEEP LIQUOR
CO275	COTTONSEED OIL
CR050	COTTONSEED OIL HYDROGENATED
CR100	CRACKING GASOLINE
CR135	CREOSOTE
CR140	CRUDE OIL
CU101	CRYSTAL OIL
CU102	CUPRIC NAPHTHALENE-5,1-CHLOROSULFONATE
CU103	CUPRIC NAPHTHALENE-6,2-HYDROXYSULFONATE
CU104	CUPRIC NAPHTHENATE
CU105	CUPRIC TETRAMINE FLUOROSULFONATE
CU106	CUPRIC TETRAPYRIDINE FLUOROSULFONATE
CY105	CYCLOCYCLO-8-HYDROXYQUINOLINATE
CY115	CYCLOCYCLO-8-HYDROXYQUINOLINATE
DE050	DEAD SEA BRINES
DE060	DECADEON
DE130	DEXTRAN
DE140	DEXTRAN-POLYETHYLENE GLYCOL
DE150	DEXTRIN
DI131	DIBROMOETHYLTRIMETHYLAMMONIUM PERCHLORATE
DI134	DICADMIUM MAGNESIUM CHLORIDE DODECAHYDRATE
DI211	DIALUMINUM DIPOTASSIUM SULFATE TETRACOSAHYDRATE
DI212	DIALUMINUM DISODIUM SULFATE TETRACOSAHYDRATE
DI221	DIANTIPIRYLMETHYLUM TETRACHLOROFERRATE
DI222	DIANTIPIRYLMETHYLUM TETRATHIOCYANOZINCATE
DI223	DIBENZYLETHYLENEDIAMINE-PENICILLIN V
DI224	DIBENZYLETHYLENEDIAMINE-PENICILLIN-G
DI225	DIBISMUTHIRICOBALT NITRATE TETRADODECAHYDRATE
DI226	DIBISMUTHIRIMAGNESIUM NITRATE TETRADODECAHYDRATE
DI227	DIBISMUTHIRIMANGANESE NITRATE TETRADODECAHYDRATE
DI228	DIBISMUTHIRINICKEL NITRATE TETRADODECAHYDRATE
DI229	DIBISMUTHIRIZINC NITRATE TETRADODECAHYDRATE
DI230	DICHLOROBIS(ETHYLENEDIAMINE) COBALT(III) PERCHLORATE
DI245	DICHLOROBIS(ETHYLENEDIAMINE) COBALT(II) SULFATE
DI311	DILANTHANUMTRICOBALT NITRATE TETRADODECAHYDRATE
DI312	DILANTHANUMTRIMANGANESE NITRATE TETRADODECAHYDRATE
DI313	DILANTHANUMTRINICKEL NITRATE TETRADODECAHYDRATE
DI314	DILANTHANUMTRIZINC NITRATE TETRADODECAHYDRATE
DI315	DILEADTRIMAGNESIUM NITRATE TETRADODECAHYDRATE
DI355	4,7-DIMETHYL TRIS(1,10-PHENANTHROLINE)IRON(II) PERCHLORATE
DI411	DINITROTETRAAMINOCOBALT(II) IODATE, CIS
DI412	DINITROTETRAAMINOCOBALT(II) IODATE, TRANS
DI413	DINITROTETRAAMINOCOBALT(II) PERMANGANATE, CIS
DI414	DINITROTETRAAMINOCOBALT(II) PERMANGANATE, TRANS
DI415	DINITROTETRAAMINOCOBALT(II) PICRATE, CIS
DI416	DINITROTETRAAMINOCOBALT(II) PICRATE, TRANS
DI417	DINITROTETRAAMINOCOBALT(II) TETRANITRODIAMINE COBALTATE

XIV

DI415 DINITROETRAAMINECOBALTI(I)OXALATODIAMINE COBALTATE
DI416 DINITROETRAAMINECOBALTI(III) DIAMINECHROMIUMTHIOCYANATE
DI417 DINITROETRAAMINECOBALTI(III) DINITROOXALATODIAMINECOBALTATE,CIS
DI418 DINITROETRAAMINECOBALTI(III) IODATE,CIS
DI418 DINITROETRAAMINECOBALTI(III) IODATE,CIS
DI419 DINITROETRAAMINECOBALTI(III) IODATE,TRANS
DI421 DINITROETRAAMINECOBALTI(III) PICRATE,CIS
DI421 DINITROETRAAMINECOBALTI(III) PICRATE,TRANS
DI422 DINITROETRAAMINECOBALTI(III) SULFATE,CIS
DI422 DINITROETRAAMINECOBALTI(III) SULFATE,TRANS
DI423 DINITROETRAAMINECOBALTI(I) OXALATODIAMINE COBALTATE,CIS
DI442 DINITROETRAAMINECOBALTI SULFATE
DI442 DINITROETRAAMINECOBALTI(I) SULFATE,TRANS
DI436 DIPOASSIUM PHOSPHOTUNGSTATE
DI438 DISODIUM COBALTDIGLUTAMATE DIHYDRATE
DI439 DISODIUM COPPER DIGLUTAMATE MONOHYDRATE
DI441 DISODIUM IRON DIGLUTAMATE DIHYDRATE
DI442 DISODIUM MANGANESE DIGLUTAMATE MONOHYDRATE
DI443 DISODIUM NICKEL DIGLUTAMATE MONOHYDRATE
DI444 DISODIUM ZINC DIGLUTAMATE MONOHYDRATE
DI445 DISPERSE WINE RED DYE
DI446 DISTILLER LIQUID
DO103 DOG LUNG TISSUE HOMOGENATE
DO104 DOG TISSUES AND FAT
DO130 DOWTHERM A
DY100 DYSPROSIUM POTASSIUM ETHYLENEDIAMINETETRAACETATE
ED100 EDESTIN
ED105 EDESTIN NITRATE
EG050 EGG ALBUMIN
EG100 EGG LECITHIN
EL100 ELECTROLYTES
ER050 ERBIUM POTASSIUM ETHYLENEDIAMINETETRAACETATE
ES050 ESSO SYNTHETIC OIL
ES100 ESTERS
ET050 ETHERS
EU050 EUCERIN
EX100 EXSANGUINATED BRAIN HOMOGENATE
EX110 EXTRACTED DOG FAT
EX120 EXTRACTED HUMAN FAT
FA100 FATS
FA102 FAT,DOG
FA104 FAT,HUMAN
FA106 FAT,RAT
FE050 FENOSULFOTHION SULFONE
FE101 FERMENTATION MEDIUM
FE102 FERRIC ANTIPIRYNE-CHROMIUM HEXATHIOCYANATE
FE103 FERRIC HELIANTHATE HEXAHYDRATE
FE104 FERRIC 4-METHYL-8-MERCAPTOQUINOLINATE
FE105 FERRIC 5,7-DIBROMO-6-HYDROXYQUINOLINATE
FE106 FERRIC 6-METHYL-8-MERCAPTOQUINOLINATE
FE106 FERRIC 7-METHYL-6-MERCAPTOQUINOLINATE
FE107 FERROCENYL METHYLTRIMETHYLAMMONIUM PERCHLORATE
FE108 FERROUS HELIANTHATE TETRAHYDRATE
FL050 FLAVO TETRANITRODIAMINE COBALTATE
FL105 FLAX OIL
FL145 FLUORINATED HYDROCARBONS
FL165 FLUOROCARBON LIQUIDS
FU050 FUEL
FU105 FUEL RJ-1
FU106 FURFURSEMIIDE
FU110 FUSEL OIL
GA010 GADOLINIUM M-NITROBENZENESULFONATE HEPTAHYDRATE
GA020 GADOLINIUM POTASSIUM ETHYLENEDIAMINETETRAACETATE
GA030 GADOLINIUM THIOUREA PROPIONATE TETRAHYDRATE
GA040 GALLIUM 5-CHLORO-7-iodo-3-HYDROXYQUINOLINATE
GA050 GALLIUM 5,7-DIBROMO-6-HYDROXYQUINOLINATE
GA060 GAMMA-GLOBIN
GA120 GAS OIL
GA130 GASOLINE
GE100 GELATIN
GE130 GEOTHERMAL BRINES
GL040 GLOBULIN
GL050 GLOBULINS,BOVINE
GL132 GLYCINE PHOSPHOTUNGSTATE
GL134 GLYCOGEN
GL136 GLYCOSAMINE
GO100 GOLD BARIUM THIOSULFATE HEXAHYDRATE
HA115 HALOCARBONS
HE105 HEAVY NAPHTHA
HE110 HEMOGLOBIN
HE112 HEMOGLOBIN,DOG
HE114 HEMOGLOBIN,HORSE
HE120 HEMOGLOBIN,HUMAN
HE132 HEPARIN
HE145 HERRING OIL
HE151 HEXA(AMETHYLFORMAMIDE)CHROMIUM(III) PERCHLORATE
HE152 HEXAMINECOBALTI(III) PYROVANATE
HE162 HEXADECYLTRIMETHYLAMMONIUM DNA
HE164 HEXADECYLTRIMETHYLAMMONIUM RNA

HE175 HEXAUREACHROMIUM(III) PERRHENATE
 HI105 HISTIDINE PHOSPHOTUNGSTATE
 HO050 HORSE SERUM
 HU010 HUMAN BRAIN COMPONENTS
 HU020 HUMAN FETAL AND UTERINE TISSUE
 HU030 HUMAN LUNG HOMOGENATE
 HU040 HUMAN PULMONARY TISSUE
 HU120 HUMIC ACID
 HY101 HYDROAPATITE, FLUORIDATED
 HY102 HYDROCARBON
 HY103 HYDROCARBON OIL
 HY104 HYDROCARBON FUELS
 HY110 HYDROCARBON MIXTURES
 HY150 HYDROCARBONS
 HY152 HYDROGENATED SUNFLOWERSEED OIL
 HY154 HYDROGENATED TERPHENYLS MIXTURE
 HY175 HYDROSOJALITE
 HY212 HYDROXYCELLULOSE
 HY216 HYDROXYETHYL STARCH
 HY245 HYDROZINCITE
 IL100 ILLITE
 IN105 INDIUM 5,7-DIBROMO-8-HYDROXYQUINOLINATE
 IN115 INDIUM(III) 4-METHYL-8-MERCAPTOQUINOLINATE
 IN115 INDIUM(III) 6-METHYL-8-MERCAPTOQUINOLINATE
 IN115 INDIUM(III) 7-METHYL-8-MERCAPTOQUINOLINATE
 IN125 INFUSION SOLUTIONS
 IN160 INULIN
 IO105 IODOFENPHOS
 IO107 IODOPENTAMINOCOBALT(III) CHLORATE
 IR205 IRON TITANIUM HYDRIDE
 IS050 ISODODECENES
 IS110 ISOPENTYL CHLORIDES
 JE100 JET A FUEL
 JO100 JOJOBA OIL
 KA050 KAISERITE
 KA060 KALISORITE
 KE115 KERATIN
 KE120 KEROSENE
 KO100 KOPPERS EMULSION K90
 KO110 KOPPERS K-900
 KR100 KREBS SOLUTION
 KR110 KRYPTON COMPONENTS
 LA030 LACQUER BENZINE
 LA040 LACTIC ACID DEHYDROGENASE
 LA055 LANOLIN
 LA060 LANOLIN ANHYDROUS
 LA111 LANTHANUM HEXAANTHRINE IODIDE
 LA112 LANTHANUM HYDROQUINONEMETHYLENEIMINE DIACETATE
 LA113 LANTHANUM M-BROMOBENZENESULFONATE NONAHYDRATE
 LA114 LANTHANUM M-CHLOROBENZENESULFONATE NONAHYDRATE
 LA115 LANTHANUM M-NITROBENZENESULFONATE HEXAHYDRATE
 LA116 LANTHANUM POTASSIUM ETHYLENEDIAMINETETRAACETATE
 LA117 LANTHANUM PYROCATECHOLMETHYLENEIMINE DIACETATE
 LA118 LANTHANUM RESORCATOLMETHYLENEIMINE DIACETATE
 LA119 LANTHANUM THIOUREA PROPIONATE TETRAHYDRATE
 LA121 LANTHANUM 1,3,6-CHLORONITROBENZENESULFONATE OCTAHYDRATE
 LA122 LANTHANUM 1,5-NITRON:PHTHALENESULFONATE HEXAHYDRATE
 LA123 LANTHANUM 1,6-NITRON:PHTHALENESULFONATE NONAHYDRATE
 LA123 LANTHANUM 1,7-NITRON:PHTHALENESULFONATE NONAHYDRATE
 LA125 LARD
 LE051 LEAD(II) BIS(P-CHLOROPHENYL)PHOSPHINATE
 LE052 LEAD(II) COBALTCYANIDE NITRATE
 LE053 LEAD(II) FERRICYANIDE NITRATE
 LE054 LEAD(II) HELIANTHATE TETRAHYDRATE
 LE055 LEAD(II) M-CHLOROBENZENESULFONATE
 LE056 LEAD(II) NAPHTHALENE-5,1-CHLOROSULFONATE
 LE057 LEAD(II) NAPHTHALENE-6,2-HYDROXYSULFONATE
 LE101 LEAD(II) O-CHLOROBENZENESULFONATE
 LE102 LEAD(II) THIONALITE
 LE103 LEAD(II) 4-METHYL-8-4-MERCAPTOQUINOLINATE
 LE103 LEAD(II) 6-METHYL-8-4-MERCAPTOQUINOLINATE
 LE103 LEAD(II) 7-METHYL-8-4-MERCAPTOQUINOLINATE
 LE110 LECITHIN
 LE112 LEUCHEMOGLOBIN
 LE114 LEPTOPHOS OXON
 LE130 LEPTOPHOS INSECTICIDE
 LI120 LIGROIN
 LI125 LINCOMYCIN 2-PALMITATE HYDROCHLORIDE
 LI150 LINSEED OIL
 LI205 LIQUEFIED NATURAL GAS
 LI207 LIQUID SYSTEMS
 LI221 LITHIUM BIS(IMINODIACETATE)COBALT(II)
 LI222 LITHIUM BIS(IMINODIACETATE)COPPER(II)
 LI223 LITHIUM BIS(IMINODIACETATE)IRON(II)
 LI224 LITHIUM BIS(IMINODIACETATE)NICKEL(II)
 LI225 LITHIUM BIS(IMINODIACETATE)MANGANATE
 LI315 LITHIUM SULFATOHYDROXYDIALUMINATE
 LI317 LIVER TISSUE

XVI

LY050 LYSINE PHOSPHOTUNGSTATE
MA050 MAGNESIUM BIS (P-CHLORO PHENYL) PHOSPHINATE
MA101 MAGNESIUM HELIANTHATE TETRAHYDRATE
MA102 MAGNESIUM HEXATHIOCYANOSCANDATE
MA111 MAGNESIUM SULFADIMETHOXINATE
MA112 MAGNESIUM SULFAMETHAZINATE
MA113 MAGNESIUM SULFAPYRAZINATE
MA114 MAGNESIUM 1,5-ANTHRAQUINONECHLOROSULFONATE OCTAHYDRATE
MA115 MAGNESIUM 7-1000-6-HYDROXYQUINOLINE-5-SULFONATE
MA117 MAGNESIUM 8-HYDROXYQUINOLINE-5-SULFONATE
MA118 MAGNESIUM-1-AMINONAPHTHALENE-6-SULFONATE
MA118 MAGNESIUM-1-AMINONAPHTHALENE-7-SULFONATE
MA119 MAGNESIUM SULFATHIAZOLATE
MA141 MANGANESE HELIANTHATE TETRAHYDRATE
MA142 MANGANESE NAPHTHALENE-5,1-CHLOROSULFONATE
MA143 MANGANESE NAPHTHALENE-5,2-HYDROXYSULFONATE
MA144 MANGANESE PENTAMMONIUM MOLYBDATE DODECAHYDRATE
MA145 MANGANESE SULFADIMETHOXINATE
MA146 MANGANESE SULFAMETHAZINATE
MA147 MANGANESE SULFAPYRAZINATE
MA148 MANGANESE SULFATHIAZOLATE
MA149 MANGANESE 7-1000-6-HYDROXYQUINOLINE-5-SULFONATE
MA151 MANGANESE OILS
MA152 MARINE OILS
ME106 MENHADEN OIL
ME175 METALLIC SALT SOLUTIONS
ME177 METHEMOGLOBIN, DOG
ME178 METHEMOGLOBIN, HUMAN
ME179 METHEMOGLOBIN
ME250 METHYL ORANGE
ME261 METHYLALKYLAMMONIUM ABETATE Q336-AS
ME262 METHYLALKYLAMMONIUM ETHYLBUTYRATE Q336-ETBU
ME263 METHYLALKYLAMMONIUM HEPTADECYL MALEATE Q336-HM
ME264 METHYLALKYLAMMONIUM HEPTADECYL SUCCINATE Q336-HS
ME265 METHYLALKYLAMMONIUM NEODECANATE Q336-NEOD
ME266 METHYLALKYLAMMONIUM RIVALATE Q336-PIV
ME267 METHYLTRIALKYLAMMONIUM CHLORIDE Q335-CL
MI120 MINERAL OILS
MI122 MINERALIZED METHYLATED SPIRIT
MI124 MISCH METAL
MO050 MOLASSES
MO145 MOLYBDENUM 5,7-DICROMO-6-HYDROXYQUINOLINATE
MO205 MONTMORILLONITE
MY050 MYOCARDIUM, DOG
MY060 MYOCARDIUM, HUMAN
MY105 MYOGLOBINS
NA140 NAPHTHA
NE120 NEKAL DETERGENT
NE130 NEODYMIUM COBALT NITRATE TETRAODECAHYDRATE
NE140 NEODYMIUM HYDROQUINONEMETHYLENEMINEDIACETATE
NE150 NEODYMIUM M-NITROLENZENESULFONATE HEXAHYDRATE
NE160 NEODYMIUM MAGNESIUM NITRATE TETRAODECAHYDRATE
NE160 NEODYMIUM MANGANESE NITRATE TETRAODECAHYDRATE
NE170 NEODYMIUM NICKEL NITRATE TETRAODECAHYDRATE
NE180 NEODYMIUM POTASSIUM ETHYLENEDIAMINETETRAACETATE
NE190 NEODYMIUM PYROCATECHOLMETHYLENEMINE DIACETATE
NE205 NEODYMIUM RESORCINOLMETHYLENEMINE DIACETATE
NE210 NEODYMIUM THIOUREA PROPIONATE TETRAHYDRATE
NE220 NEODYMIUM ZINC NITRATE TETRAODECAHYDRATE
NI111 NICKEL HELIANTHATE TETRAHYDRATE
NI112 NICKEL NAPHTHALENE-5,1-CHLOROSULFONATE
NI113 NICKEL NAPHTHALENE-5,2-HYDROXYSULFONATE
NI114 NICKEL NAPHTHENATE
NI115 NICKEL SULFADIMETHOXINATE
NI116 NICKEL SULFAMETHAZINATE
NI117 NICKEL SULFAPYRAZINATE
NI118 NICKEL SULFATHIAZOLATE
NI119 NICKEL SULFIDE SELTS
NI121 NICKEL 2,5,7-NAPHTHYLAMINE DISULFONATE
NI121 NICKEL 2,6,8-NAPHTHYLAMINE DISULFONATE
NI122 NICKEL 4-METHYL-3-MERCAPTOQUINOLINATE
NI122 NICKEL 5-METHYL-3-MERCAPTOQUINOLINATE
NI135 NICOTINE SILICOTUNGSTATE
NI145 NIOBIUM DISALICYLIDENEETHYLENEDIAMINE
NI185 NITROBENZANILIDES
NI196 NITROGEN ORGANIC COMPOUNDS
NI211 NITROPENTAMMINOCOBALT (III) CHLORIDE
NI212 NITROPENTAMMINOCOBALT (III) CHROMATE
NI213 NITROPENTAMMINOCOBALT (III) DICHROMATE
NI214 NITROPENTAMMINOCOBALT (III) HEXAFLUOROSILICATE
NI270 5-NITRO-TRIS (1,10-PHENANTHROLINE) IRON (II) PERCHLORATE
NO050 NON-AQUEOUS LIQUID SYSTEMS
NO117 NONTRONITE
NU110 NUJOL
OI100 OILS
OI105 OIL CAMPHOR
OI100 OLFIN
OL130 OLIVE OIL

OR105 ORGANIC ACID(C3-C16) SYSTEMS
 OR125 ORGANIC LIQUIDS
 OR135 ORGANIC POLAR COMPOUNDS
 OR140 ORGANIC SOLVENTS
 OR145 ORGANIC SOLVENT-WATER SYSTEMS
 OV100 OVALBUMIN
 OX020 OX ERYTHROCYTES
 OX030 OX SERUM
 OX112 OXALATOTETRAAMINOCOBALT CHROMATE
 OX114 OXALATOTETRAAMINOCOBALT DICHROMATE
 OX137 OXYCELLULOSE
 OX145 OXYGENATED ORGANIC COMPOUNDS
 PA142 PAPAYA JUICE
 PA150 PARAFFIN
 PA155 PARAFFIN MIXTURE
 PA160 PARAFFIN OIL
 PA175 PARAFFIN WAX
 PE100 PARAFFIN WAX MOLTEN
 PE105 PEANUT OIL
 PE105 PECTIN
 PE111 PENTAAMINECHLORIDECOBALT OXALATE
 PE112 PENTAAMINECHLORIDECOBALT(III) OXALATE
 PE113 PENTAAMINECOBALT FERROCYANIDE MONOHYDRATE
 PE114 PENTAAMINOSULFATECOBALT CHROMATE
 PE115 PENTAAMINOSULFATECOBALT DICHROMATE
 PE135 PEPTONE
 PE155 PERFLUORO OIL
 PE170 PETROLATUM
 PE170 PETROLEUM
 PE200 PETROLEUM ETHER
 PE210 PETROLEUM FRACTIONS
 PE265 PETROWAX A
 PH100 PH RANGE
 PH152 1-PHENYL-2,3-DIMETHYL-5-PYRAZOLONE CERIUM(III)IODIDE
 PH154 1-PHENYL-2,3-DIMETHYL-5-PYRAZOLONE NEODYMIUM(III)IODIDE
 PI100 PINE OIL
 PI110 PINAPPLE JUICE
 PL100 PLASMA
 PL105 PLASMA PROTEIN
 PL125 PLATINUM 4-METHYL-6-MERCAPTOQUINOLINATE
 PL125 PLATINUM 6-METHYL-6-MERCAPTOQUINOLINATE
 PL125 PLATINUM 7-METHYL-6-MERCAPTOQUINOLINATE
 PL150 PLURONIC F-68
 PO115 POLYACRYLONITRILE
 PO155 POLYBUTENE-1
 PO180 POLYDIMETHYLSILOXANE
 PO210 POLYETHYLENE
 PO220 POLYETHYLENE ADIPATE
 PO221 POLYETHYLENE GLYCOLACETATE
 PO231 POLYETHYLENE GLYCOL LAURATE
 PO232 POLYETHYLENE GLYCOL 1000
 PO233 POLYETHYLENE GLYCOL 1500
 PO234 POLYETHYLENE GLYCOL 2000
 PO235 POLYETHYLENE GLYCOL 3500
 PO235 POLYETHYLENE GLYCOL 5000
 PO255 POLYETHYLENE GLYCOL 4000
 PO260 POLYETHYLENE GLYCOLS
 PO265 POLYETHYLENE PHTHALATE
 PO270 POLYETHYLENE POLYAMINES
 PO290 POLYETHYLENE ADIPATE
 PO330 POLYISOBUTYLENE
 PO370 POLYMETHYLMETHACRYLATE
 PO375 POLYMETHYL VINYL KETONE
 PO420 POLYOXYETHYLENE DERIVATIVES
 PO478 POLYPERFLUOROCYCLOC ETHERS
 PO525 POLYPHOSPHORIC ACID
 PO530 POLYPROPYLENE
 PO540 POLYPROPYLENE GLYCOL
 PO600 POLYSTYRENE
 PO625 POLYTRIFLUOROCHLOROETHYLENE
 PO650 POLYVINYL ACETATE
 PO660 POLYVINYL ALCOHOL
 PO665 POLYVINYL CHLORIDE
 PO710 POLYVINYLPIRROLIDONE
 PO715 POLYVINYLTRIMETHYLSILANE
 PO745 POLYVINYL-ETHYLENE-4,4-DIPYRIDILIUM CHLORIDE)
 PO790 POLYVINYL-ETHYLENE-4,4-DIPYRIDILIUM CHLORIDE)
 PO841 POTASSIUM A-PARATUNGSTATE
 PO842 POTASSIUM BIS(IMINODIACETATE)COBALT(III)
 PO843 POTASSIUM BIS(IMINODIACETATE)COPPER(II)
 PO844 POTASSIUM BIS(IMINODIACETATE)IRON(II)
 PO845 POTASSIUM BIS(IMINODIACETATE)NICKEL(II)
 PO846 POTASSIUM BIS(IMINODIACETATE)NICKEL(II)
 PO847 POTASSIUM BIS(IMINODIACETATE)NICKEL(II)
 PO848 POTASSIUM BIS(IMINODIACETATE)NICKEL(II)
 PO849 POTASSIUM BIS(IMINODIACETATE)NICKEL(II)
 PO851 POTASSIUM BIS(IMINODIACETATE)NICKEL(II)
 PO852 POTASSIUM BIS(IMINODIACETATE)NICKEL(II)
 PO853 POTASSIUM BIS(IMINODIACETATE)NICKEL(II)

P0854	POTASSIUM GADOLINIUM ETHYLENEDIAMINETETRAACETATE
P0855	POTASSIUM LANTHANUM ETHYLENEDIAMINETETRAACETATE
P0856	POTASSIUM NEODYMIUM ETHYLENEDIAMINETETRAACETATE
P0871	POTASSIUM NOVENATE
P0906	POTASSIUM POLYSULFIDE
P0907	POTASSIUM PRASEODYMIUM ETHYLENEDIAMINETETRAACETATE
P0908	POTASSIUM SAMARIUM ETHYLENEDIAMINETETRAACETATE
P0909	POTASSIUM SULFATE MAGNESIUM SULFATE DI(CALLIUM SULFATE) DIHYDRATE
P0911	POTASSIUM TETRANITRODIAMINE COBALTATE
P0912	POTASSIUM URANYL HEXACYANOFERRATE(II)
P0930	POTASSIUM YTTERBIUM ETHYLENEDIAMINETETRAACETATE
P0940	POTASSIUM YTTRIUM ETHYLENEDIAMINETETRAACETATE
P0950	POTASSIUM ZINC FERROCYANIDE
P0960	POTASSIUM 2-CHLORO-3-NITRO-P-XYLENE SULFONATE
P0961	POTASSIUM COBALT NITRATE TETRADECAHYDRATE
P0912	POTASSIUM COBALT NITRATE TETRADECAHYDRATE
P0912	POTASSIUM M-CHLOROBENZENE SULFONATE NONAHYDRATE
P0914	POTASSIUM M-NITROBENZENE SULFONATE HEXAHYDRATE
P0916	POTASSIUM MANGANESE NITRATE TETRADECAHYDRATE
P0916	POTASSIUM NICKEL NITRATE TETRADECAHYDRATE
P0918	POTASSIUM POTASSIUM ETHYLENEDIAMINETETRAACETATE
P0920	POTASSIUM PYROCATECHOL METHYLENEIMINE DIACETATE
P0922	POTASSIUM RESORCINOL METHYLENEIMINE DIACETATE
P0924	POTASSIUM THIUREA PROPIONATE TETRAHYDRATE
P0926	POTASSIUM ZINC NITRATE TETRADECAHYDRATE
P0928	POTASSIUM 1,3,6-CHLORONITROBENZENESULFONATE TETRADECAHYDRATE
P0930	POTASSIUM 1,5-NITRONAPHTHALENESULFONATE HEXAHYDRATE
P0932	POTASSIUM 1,6-NITRONAPHTHALENESULFONATE NONAHYDRATE
P0934	POTASSIUM 1,7-NITRONAPHTHALENESULFONATE UNDECAHYDRATE
P0955	PROLINE PHOSPHOTUNGSTATE
P0957	PROPEPTONE
P0990	PROTEIN SOLUTION
PUC50	PULLULAN
PY105	PYRIDINE HEXANITRATOTHORATE
PY160	PYRROLITE
QU130	QUINOLINE HOLYBODPHOSPHATE
RAC100	RABBIT TISSUE AND BLOOD
RAC105	RABBIT TISSUES
RA100	RAPESEED OIL
RA115	RAT ABDOMINAL TISSUE
RA117	RAT FATTY ACIDS
RE010	RED BLOOD CELLS
RE020	RED BLOOD CORPUSCLES
RE030	RED CELL GHOSTS
RJ100	RUBBER
RJ115	RUTHENIUM CESIUM NITROSOCHLORIDE DIHYDRATE
SA125	SALT SOLUTIONS
SA150	SALTS
SA171	SAMARIUM ACETATE THIUREA SEMIHYDRATE
SA172	SAMARIUM HYDROQUINONE METHYLENEIMINE DIACETATE
SA173	SAMARIUM M-NITROBENZENESULFONATE HEPTAHYDRATE
SA174	SAMARIUM POTASSIUM ETHYLENEDIAMINETETRAACETATE
SA175	SAMARIUM PYROCATECHOL METHYLENEIMINE DIACETATE
SA176	SAMARIUM RESORCINOL METHYLENEIMINE DIACETATE
SA177	SAMARIUM THIUREA PROPIONATE TETRAHYDRATE
SA178	SANTONIN
SA179	SAPONE
SA190	SATURATED (C10-C16) HYDROCARBON
SA200	SATURATED (C5-C16) HYDROCARBON
SA210	SATURATED (C5-C7) HYDROCARBON
SA220	SATURATED (C8-C16) HYDROCARBON
SA230	SATURATED HYDROCARBONS
SC100	SCANDIUM ANTIPYRINE THIOCYANATE
SE100	SEA WATER
SE135	SERUM
SE140	SERUM ALBUMIN
SH050	SHEEP PLACENTAL TISSUE
SH060	SHELL VACUUM-PUMP OIL
SI111	SILICONE FLUID
SI112	SILICONE LIQUID
SI113	SILICONE OIL
SI114	SILICONE RUBBER
SI121	SILVER HELIANTHATE DIHYDRATE
SI122	SILVER SULFAMETHAZINE
SI123	SILVER SULFAMETHIZOLE
SI124	SILVER SULFAPYRIDINE
SI207	SODIUM HYDROALUMINOSILICATE
SL100	SLACK WAX
SO111	SODALITE
SO119	SODIUM BENZYL PENICILLIN
SO121	SODIUM A-PARATUNGSTATE
SO122	SODIUM SAMARIUM ETHYLENEDINITRILOPENTAACETATE TETRAHYDRATE
SO123	SODIUM BIS(IMINODIACETATE) COBALT(II)
SO124	SODIUM BIS(IMINODIACETATE) COPPER(II)
SO125	SODIUM BIS(IMINODIACETATE) IRON(II)
SO126	SODIUM BIS(IMINODIACETATE) NICKEL(II)
SO127	SODIUM BIS(IMINODIACETATE) MANGANESE
SO128	SODIUM CALCIUM ETHYLENEDINITRILOTETRAACETATE TETRAHYDRATE
SO131	SODIUM CERIUM ETHYLENEDIAMINETETRAACETATE
SO185	SODIUM DYSPROSIUM ETHYLENEDIAMINETETRAACETATE

SO190	SODIUM ERBIUM ETHYLENEDIAMINETETRAACETATE
SO192	SODIUM ETHYLENEDIAMINETETRAACETATE
SO194	SODIUM SODIUM ETHYLENEDIAMINETETRAACETATE (II)
SO201	SODIUM SODIUM ETHYLENEDIAMINETETRAACETATE
SO202	SODIUM QUANILATE
SO203	SODIUM HELIANTHATE DIHYDRATE
SO204	SODIUM HYPOCHLORITE SODIUM CHLORIDE SODIUM ARSENATE
SO206	SODIUM LANTHANUM ETHYLENEDIAMINETETRAACETATE
SO208	SODIUM LEVOHYDROKINE
SO242	SODIUM NEODYMIUM ETHYLENEDIAMINETETRAACETATE
SO244	SODIUM POLYSULFIDE MELT
SO251	SODIUM PRASEODYMIUM ETHYLENEDIAMINETETRAACETATE
SO252	SODIUM SAMARIUM ETHYLENEDIAMINETETRAACETATE
SO261	SODIUM STRONTIUM ETHYLENEDINITRILOTETRAACETATE OCTAHYDRATE
SO262	SODIUM YTTTERBIUM ETHYLENEDIAMINETETRAACETATE
SO263	SODIUM YTTIRIUM ETHYLENEDIAMINETETRAACETATE
SO264	SODIUM 1,5-ANTHRAQUINONECHLOROSULFONATE SEMIHYDRATE
SO265	SODIUM 1,5-ANTHRAQUINONEDISULFONATE TETRAHYDRATE
SO266	SODIUM 1,8-ANTHRAQUINONECHLOROSULFONATE MONOHYDRATE
SO267	SODIUM 1,8-ANTHRAQUINONEDISULFONATE PENTAHYDRATE
SO268	SODIUM 2-CHLORO-7-NITRO-3-XYLENE SULFONATE
SO269	SODIUM 2,7-NAPHTHYLAMINE DISULFONATE
SO271	SODIUM 2,6-ANTHRAQUINONEDISULFONATE DIHYDRATE
SO272	SODIUM 2,6-ANTHRAQUINONEDISULFONATE
SO273	SODIUM-3-CALCIUM HYDROSILICATE
SO274	SOLAR OIL
SO315	SOLVENTS, POLAR
SO317	SOUR GAS
SO330	SOYBEAN OIL
SP135	SPINDLE OIL, GREEN
SR050	SRC RECYCLE SOLVENT
ST100	STARCH
ST102	STEEL LOW CARBON
ST104	STRONTIUM HELIANTHATE TETRAHYDRATE
ST105	STRONTIUM HEXATHIOCYANOSCANDATE
ST106	STRONTIUM NAPHTHALENE-5,1-CHLOROSULFONATE
ST107	STRONTIUM NAPHTHALENE-6,2-HYDROXYSULFONATE
ST108	STRONTIUM 7-IODO-8-HYDROXYQUINOLINE-5-SULFONATE
SU122	SULFANOL NP-3
SU147	SULFONATED CASTOR OIL
SU143	SULFONIC ACID BUFFER
SU180	SUNFLOWERSEED OIL
TA110	TANNIN
TA115	TANTALUM DISALICYLIDENEETHYLENEDIAMINE
TE050	TELLURIUM CHROMIUM SULFATE TETRADECAHYDRATE
TE105	TEREBENE
TE115	TERGITOL
TE215	TETRA-HEPTYLAMMONIUM CHLORIDE HEPT-4-CL
TE251	TETRAAMINELEUCINATOCOBALT(III) BROMIDE HYDRATE
TE252	TETRAAMINELEUCINATOCOBALT(III) CHLORIDE HYDRATE
TE253	TETRAAMINELEUCINATOCOBALT(III) IODIDE HYDRATE
TE254	TETRAAMINEVALINATOCOBALT(III) BROMIDE
TE255	TETRAAMINEVALINATOCOBALT(III) CHLORIDE
TE256	TETRAAMINEVALINATOCOBALT(III) IODIDE
TE257	TETRAAMINEVALINATOCOBALT(III) IODIDE SEMIHYDRATE
TE258	TETRACESIUM SILICOTUNGSTATE
TE282	TETRAPHENYLARSONIUM PERRHENATE
TE284	TETRAPHENYLPHOSPHONIUM PERRHENATE
TE286	TETRARUBIDIUM SILICOPOLYSDATE
TH010	TETRARUBIDIUM SILICOTUNGSTATE
TH020	THALLIUM DECATUNGSTATE DIHYDROBOSILICATE
TH102	THIAMINE CHLORIDE-PYOPHOSPHONATE ESTER
TH104	THIAMINE HYDROBROMIDE
TH110	THIAMINE HYDROCHLORIDE
TH125	THIAMINE PHOSPHATE-PHOSPHATE ESTER
TH127	THIOCYANATEPENTAAMINECOBALT(II) IODIDE
TH135	THIOCYANIDE
TH166	THORIUM CHLOROXALATE DIHYDRATE
TH167	THORIUM M-NITROBENZENESULFONATE HEPTAHYDRATE
TH168	THORIUM PICRATE DECAHYDRATE
TI132	TITANIUM ALLOY VT-14
TI134	TITANIUM ALLOY VT-15
TI136	TITANIUM DIANTIPYRILMETHANE THIOCYANATE
TI138	TITANIUM DISALICYLIDENEETHYLENEDIAMINE
TI139	TITANIUM 5,7-DIBROMO-8-HYDROXYQUINOLINATE
TO050	TOBERMORITE
TR110	TRANSFORMER OIL
TR135	TRIETHYLENEDIAMINENICKEL THIOSULFATE
TR355	TRILON 3
TR356	TRIMETHYLBENZYLAMMONIUM HEXANITRATOTHOATE
TR399	TRIS(BIPYRIDINE)RUTHENIUM(II) PERCHLORATE
TR401	TRIS(ETRAMETHYLAMMONIUM) ENNEACHLORODIBISMUTHATE(III)
TR402	TRIS(ETRAMETHYLAMMONIUM) ENNEACHLORODIANTIMONATE
TR403	TRIS(1,10-PHENANTHROLINE)IRON(III) PERCHLORATE
TR404	TRIS(1,10-PHENANTHROLINE)RUTHENIUM(II) PERCHLORATE
TR415	TRITON
TR460	TRYPTOPHANE PHOSPHOTUNGSTATE
TU102	TUNGSTEN DIOXY-5,7-DIBROMO-8-HYDROXYQUINOLINATE