

## Fluid Compatibility Guide

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### Compatibility Rating

1 = Satisfactory      4 = Not Recommended  
 2 = Fair                X = Data Not Available  
 3 = Poor                ◇ = Contact EPM For Info

### Fluid Name

Fluid Name	Neoprene® (NEO)	EPDM Rubber (EPD)	Fluorocarbon/Viton® (VIT)	Fluorosilicone (FLI)	Hydrogenated Nitrile (HNBR)	Nitrile/Buna-N (NBR)	Perfluoroelastomer (PFR)	Polyurethane (HPU)	Silicone (SIL)	Teflon® (PTFE)	Teflon® Encap. Silicone (EOS)	Teflon® Encap. Viton® (EOV)	Aflas® (AFL)
Abietic Acid	X	X	2	X	X	X	1	X	X	X	◇	◇	5
Acetaldehyde	4	1	4	4	3	4	2	4	2	1	◇	◇	4
Acetamide	2	1	2	1	1	1	1	4	3	1	◇	◇	2
Acetanilide	X	X	3	5	3	X	1	X	X	X	◇	◇	5
Acetate of Lime	2	1	4	5	X	2	X	X	1	1	◇	◇	5
Acetic Acid, 30%	1	1	3	2	X	2	1	4	1	X	◇	◇	5
Acetic Acid, Glacial	2	2	4	4	2	3	1	4	1	1	◇	◇	3
Acetic Acid, Hot	2	X	X	4	2	X	X	4	4	X	◇	◇	3
Acetic Anhydride	4	2	4	4	4	3	1	4	3	1	◇	◇	2
Acetic Ester	4	2	4	X	X	4	X	4	2	1	◇	◇	4
Acetic Oxide	2	2	4	4	X	3	X	2	5	1	◇	◇	5
Acetoacetic Acid	2	X	4	5	3	4	1	X	X	X	◇	◇	5
Acetone	4	1	4	4	4	4	1	4	3	1	◇	◇	4
Acetone Cyanohydrin	2	1	4	5	3	4	1	4	1	X	◇	◇	5
Acetonitrile	1	1	4	5	X	3	1	X	X	X	◇	◇	1
Acetophenone	4	1	4	4	4	4	1	4	4	1	◇	◇	4
Acetyl Acetone	4	1	4	4	4	4	1	4	4	1	◇	◇	4
Acetyl Acetonic	4	1	4	X	X	4	X	4	X	1	◇	◇	5
Acetyl Bromide	4	4	X	X	4	4	1	4	X	X	◇	◇	2
Acetyl Chloride	4	3	1	1	4	4	1	4	3	1	◇	◇	1
Acetyl Oxide	2	2	4	X	X	3	X	X	X	1	◇	◇	5
Acetyl Propane	4	2	4	X	X	4	X	X	X	1	◇	◇	5
Acetylene Tetrabromide	2	1	1	2	4	4	1	4	4	1	◇	◇	1
Acetylene Tetracholoride	4	4	1	2	4	4	X	X	X	X	◇	◇	1
Acetylene, Ga	2	1	1	3	1	1	1	2	3	1	◇	◇	1
Acrolein	3	1	4	X	3	3	1	4	X	1	◇	◇	5
Acrylic Acid	X	3	4	X	2	2	1	X	X	X	◇	◇	4
Acrylonitrile	4	4	4	4	4	4	1	4	4	1	◇	◇	2
Adipic Acid	1	2	2	1	1	1	1	X	X	1	◇	◇	2
Aero Lubriplate	1	4	1	1	1	1	1	1	2	X	◇	◇	1
Aero Shell 17 Grease	2	4	1	1	1	1	1	1	2	X	◇	◇	1
Auro Shell 1AC Grease	2	4	1	1	1	1	1	1	2	X	◇	◇	1
Aero Shell 750 Grease	4	4	1	4	1	2	1	4	2	X	◇	◇	1
Aero Shell 7A Grease	2	4	1	1	1	1	1	1	2	X	◇	◇	1
Aerosafe 2300	4	1	4	3	4	4	1	4	3	2	◇	◇	2



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Aerosafe 2300W	4	1	4	3	4	4	1	4	3	2	◇	◇	2
Aerozene 50	4	1	4	4	2	3	2	4	4	X	◇	◇	1
Air, Below 200°F	1	1	1	1	1	1	1	3	1	1	◇	◇	1
Air, 200°F to 300°F	2	2	X	1	3	2	X	3	1	X	◇	◇	2
Air, 400°F to 500°F	4	4	X	4	4	4	X	4	X	X	◇	◇	X
Aldehyde	3	1	4	X	X	4	X	3	1	X	◇	◇	X
Alkazene	4	4	2	2	4	4	1	4	3	1	◇	◇	2
Alkenes (Olefin Hyrdocarbons)	4	4	2	1	1	1	1	1	2	X	◇	◇	X
Alkyl Acetone	1	1	1	1	3	3	1	4	2	X	◇	◇	X
Alkyl Alcohol	4	4	4	1	1	1	1	1	2	X	◇	◇	X
Alkyl Amine	4	4	4	1	1	1	1	1	2	X	◇	◇	X
Alkyl Aryl Sulfonics	4	4	1	1	1	1	1	1	2	X	◇	◇	X
Alkyl Benzene	4	4	2	1	2	4	X	4	4	1	◇	◇	2
Alkyl Chloride	4	4	2	2	2	2	1	3	X	X	◇	◇	X
Alkyl Napthalene Sulfonic Acid	4	4	2	1	1	1	1	1	2	X	◇	◇	X
Alkyl Sulfide	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Allyl Chloride	4	4	2	4	1	2	1	X	1	X	◇	◇	1
Allylidene Diacetate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Alpha Picolene	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Aluminum Acetate	2	1	4	4	2	4	1	4	4	1	◇	◇	1
Aluminum Ammonium Sulphate	2	1	1	5	1	2	X	X	X	1	◇	◇	X
Aluminum Bromide	2	1	1	1	1	1	1	3	1	1	◇	◇	1
Aluminum Chlorate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Aluminum Chloride	2	1	1	1	1	1	1	2	2	1	◇	◇	1
Aluminum Fluoride	2	1	1	1	1	1	1	3	2	1	◇	◇	1
Aluminum Formate	X	X	4	X	3	4	X	X	X	X	◇	◇	X
Aluminum Hydroxide	1	1	1	1	2	2	1	2	1	1	◇	◇	1
Aluminum Linoleate	X	X	X	X	1	X	X	X	X	X	◇	◇	X
Aluminum Nitrate	2	1	1	X	1	1	1	3	2	1	◇	◇	1
Aluminum Oxalate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Aluminum Phosphate	1	1	1	X	1	1	1	X	1	1	◇	◇	1
Aluminum Potassium Sulfate	2	1	1	1	1	1	1	X	1	1	◇	◇	X
Aluminum Salts	2	1	1	1	1	1	1	3	1	1	◇	◇	1
Aluminum Sodium Sulfate	2	1	1	X	3	1	1	1	1	X	◇	◇	2
Aluminum Sulfate	2	1	1	1	1	1	1	2	1	1	◇	◇	1

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Ambrex 33	2	4	1	3	1	1	1	2	4	2	◇	◇	1
Ambrex 830	2	3	1	1	1	1	1	1	2	1	◇	◇	1
Amines	4	2	4	4	4	4	1	4	2	X	◇	◇	2
Aminoanthraquinone	X	X	X	X	X	X	1	X	X	X	◇	◇	3
Aminoazobenzene	X	X	X	X	X	X	1	X	X	X	◇	◇	2
Aminobenzoic Acid	X	X	X	X	X	X	X	X	X	X	◇	◇	2
Ammonia and Lithium in Metal Solution	4	2	4	4	2	2	4	4	4	X	◇	◇	2
Ammonia Gas, Cold	1	1	4	4	2	2	1	4	2	1	◇	◇	1
Ammonia Gas, Hot	1	1	4	4	1	1	1	2	1	1	◇	◇	1
Ammonia Liquid	4	2	4	4	4	2	1	4	1	1	◇	◇	2
Ammonia, Anhydrous	1	1	4	4	2	2	1	4	2	1	◇	◇	3
Ammonium Acetate	1	1	4	X	3	1	1	3	X	1	◇	◇	X
Ammonium Alum	1	2	2	X	X	2	X	X	X	1	◇	◇	X
Ammonium Arsenate	X	X	X	X	3	X	1	X	X	X	◇	◇	2
Ammonium Benzoate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Ammonium Bicarbonate	1	2	4	X	3	1	1	3	X	1	◇	◇	1
Ammonium Bifluoride	4	1	1	X	X	1	1	X	X	1	◇	◇	X
Ammonium Bromide	X	X	X	X	1	X	1	X	X	X	◇	◇	1
Ammonium Carbamate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Ammonium Carbonate	2	1	1	X	4	2	1	1	3	1	◇	◇	1
Ammonium Chloride	2	1	1	3	1	2	1	2	3	1	◇	◇	1
Ammonium Chromic Sulfate	1	X	X	X	X	1	X	X	X	1	◇	◇	X
Ammonium Dichromate	1	1	X	X	3	1	1	X	X	X	◇	◇	X
Ammonium Diphosphate	1	1	1	X	3	1	X	X	1	X	◇	◇	X
Ammonium Fluoride	2	1	1	X	1	2	1	X	X	1	◇	◇	2
Ammonium Fluoride Acid	2	X	X	X	4	X	X	X	X	1	◇	◇	X
Ammonium Fluorosilicate	X	X	X	X	X	X	1	X	X	X	◇	◇	1
Ammonium Formate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Ammonium Hydrate	1	X	X	X	X	1	X	X	X	1	◇	◇	X
Ammonium Hydroxide	3	1	3	1	4	4	1	4	1	1	◇	◇	1
Ammonium Hyposulphite	1	1	1	X	X	1	X	X	X	1	◇	◇	X
Ammonium Iodide	X	X	X	X	1	X	1	X	X	X	◇	◇	2
Ammonium Lactate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Ammonium Metaphosphate	1	1	1	X	3	1	1	X	X	1	◇	◇	X
Ammonium Molybdenate	1	1	3	1	3	3	1	4	2	X	◇	◇	X

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Ammonium Nitrate	1	1	1	3	1	1	1	X	3	1	◇	◇	1
Ammonium Nitrite	1	1	1	X	1	1	1	1	2	1	◇	◇	2
Ammonium Oxalate	1	1	X	X	3	X	1	X	X	X	◇	◇	2
Ammonium Perchlorate	X	X	X	X	3	X	1	X	X	X	◇	◇	2
Ammonium Persulfate	4	2	1	1	4	1	1	4	4	1	◇	◇	1
Ammonium Phosphate	2	1	1	4	1	1	1	2	1	X	◇	◇	2
Ammonium Phosphate, Dibasic	1	1	1	X	1	1	1	X	1	1	◇	◇	1
Ammonium Phosphate, Monobasic	1	1	1	4	1	1	X	2	1	1	◇	◇	2
Ammonium Phosphate, Tribasic	3	1	1	X	1	1	X	X	1	1	◇	◇	2
Ammonium Salts	1	1	1	3	1	1	1	X	1	1	◇	◇	1
Ammonium Sulfamate	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Ammonium Sulfate	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Ammonium Sulfide	1	1	2	X	1	1	1	2	X	1	◇	◇	1
Ammonium Sulfite	1	1	1	X	3	1	1	X	X	1	◇	◇	X
Ammonium Thiocyanate	1	1	1	X	3	1	1	2	X	X	◇	◇	X
Ammonium Thioglycolate	X	X	X	X	3	1	1	X	X	X	◇	◇	X
Ammonium Thiosulfate	1	1	1	X	3	1	1	X	X	X	◇	◇	X
Ammonium Tungstate	X	X	1	X	3	1	1	X	X	X	◇	◇	X
Ammonium Valerate	X	X	X	X	3	1	1	X	X	X	◇	◇	X
Amyl Acetate	4	1	4	4	4	1	1	4	4	1	◇	◇	4
Amyl Acetic Ester	4	2	4	X	X	X	X	X	4	1	◇	◇	X
Amyl Acetone	X	X	4	X	X	X	X	X	X	1	◇	◇	X
Amyl Alcohol	2	1	2	1	2	1	1	4	4	1	◇	◇	1
Amyl Borate	1	4	1	X	1	1	1	X	4	1	◇	◇	1
Amyl Bromide	4	4	2	X	X	X	X	X	X	1	◇	◇	X
Amyl Carbinol	2	3	2	X	1	X	X	4	2	1	◇	◇	X
Amyl Chloride	4	4	1	2	1	1	1	3	4	1	◇	◇	1
Amyl Chloronaphthalene	4	4	1	2	4	1	1	4	4	1	◇	◇	2
Amyl Ether	X	4	X	X	X	X	X	X	X	1	◇	◇	X
Amyl Hydrate	2	X	X	1	X	X	X	X	4	1	◇	◇	X
Amyl Hydride	1	4	1	1	X	X	X	X	4	1	◇	◇	X
Amyl Iodide	4	4	X	X	4	X	X	X	X	1	◇	◇	X
Amyl Laurate	X	X	1	X	X	X	X	X	X	X	◇	◇	X
Amyl Mercaptan	4	4	1	2	2	1	1	3	X	X	◇	◇	X
Amyl Naphthalene	4	4	1	1	4	1	1	4	4	1	◇	◇	2

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Amyl Nitrate	X	2	X	X	3	1	1	X	X	X	◇	◇	X
Amyl Nitrite	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Amyl Oleate	X	X	X	X	X	2	X	X	4	1	◇	◇	X
Amyl Phenol	X	X	X	X	X	4	X	X	X	X	◇	◇	X
Amyl Phthalate	X	X	3	X	X	4	X	X	X	1	◇	◇	X
Amyl Propionate	X	X	2	X	1	X	1	X	X	X	◇	◇	X
Amylene	1	4	1	X	X	2	X	X	X	1	◇	◇	X
AN-0-3 Grade M	2	4	1	1	1	1	1	1	2	X	◇	◇	1
AN-0-366	2	4	1	1	1	1	1	1	4	X	◇	◇	1
AN-0-6	2	4	1	1	1	1	1	1	4	X	◇	◇	1
AN-VV-0-366B Hydraulic	2	4	1	1	1	1	X	3	4	X	◇	◇	1
Anderol Diester	4	4	1	2	2	2	1	4	4	X	◇	◇	2
ANG-25 (Diester Base)	4	4	1	2	2	2	1	4	2	X	◇	◇	2
ANG-25 (Glycerol Ester)	2	1	1	2	2	2	1	4	2	X	◇	◇	2
Aniline	4	2	2	3	4	4	1	4	4	1	◇	◇	1
Aniline Dyes	3	2	2	2	4	4	1	4	X	1	◇	◇	1
Aniline Hydrochloride	4	2	2	2	4	4	1	4	X	1	◇	◇	1
Aniline Oils	1	2	1	1	1	1	1	1	1	X	◇	◇	1
Aniline Sulfate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Aniline Sulfite	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Animal Fats (Lards)	3	1	1	1	1	1	1	3	2	1	◇	◇	1
Animal Fats (Oils)	2	1	1	1	1	1	X	3	X	1	◇	◇	1
Ansul Ether 161 or 181	4	3	4	3	3	3	1	2	4	1	◇	◇	1
Anthracene	X	X	X	X	1	X	1	X	X	X	◇	◇	X
Anthranilic Acid	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Anthraquinone	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Antifreeze Solutions	3	1	2	4	3	1	X	4	3	1	◇	◇	1
Antimony Chloride	4	4	1	1	1	1	1	1	4	1	◇	◇	1
Antimony Pentachloride	4	4	1	2	2	2	1	4	4	1	◇	◇	1
Antimony Pentafluoride	X	X	X	X	X	X	2	X	X	1	◇	◇	X
Antimony Salts	1	1	X	1	X	1	X	1	1	X	◇	◇	X
Antimony Sulfate	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Antimony Tribromide	3	4	1	2	2	2	1	2	4	X	◇	◇	X
Antimony Trichloride	3	2	X	X	1	2	1	2	X	X	◇	◇	X
Antimony Trifluoride	X	X	X	X	1	X	2	X	X	X	◇	◇	X

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Antimony Trioxide	3	1	1	X	X	1	1	X	X	X	◇	◇	1
Antimony Trifluoride	3	1	1	X	1	1	2	X	X	X	◇	◇	1
Apple Acid	2	4	1	1	1	1	1	X	2	1	◇	◇	X
Aqua Regia	4	2	1	3	4	4	1	4	4	1	◇	◇	3
Arachidic Acid	X	X	2	X	X	X	1	X	X	X	◇	◇	X
Argon	4	1	1	2	1	1	1	1	2	X	◇	◇	1
Arochlor 1248	4	2	1	2	3	3	1	2	3	X	◇	◇	1
Arochlor 1254	4	2	1	1	4	4	1	4	3	X	◇	◇	1
Arochlor 1260	1	2	1	1	1	1	1	1	1	X	◇	◇	1
Aromatic Alcohol	3	3	1	X	X	3	X	X	X	1	◇	◇	X
Aromatic Fuels	4	4	1	2	2	2	1	4	4	X	◇	◇	2
Aromatic Hydrocarbons	4	4	1	1	X	4	1	3	3	1	◇	◇	2
Aromatic Spirits	X	X	1	X	X	3	X	X	X	1	◇	◇	X
Aromatic Tar	X	X	1	X	X	3	X	X	X	1	◇	◇	X
Aromatic Vinegar	2	1	1	X	X	3	X	2	1	1	◇	◇	X
Arsenic Acid	2	1	1	1	1	1	1	3	1	1	◇	◇	1
Arsenic Butter	1	4	4	X	X	3	X	X	X	1	◇	◇	X
Arsenic Chloride	1	4	4	X	X	3	X	X	X	1	◇	◇	X
Arsenic Salts	X	X	2	X	X	X	X	2	X	1	◇	◇	X
Arsenic Trichloride	1	4	4	X	1	1	1	X	X	1	◇	◇	4
Arsenic Trioxide	X	X	X	X	1	X	1	X	X	X	◇	◇	X
Arsenic Trisulfate	X	X	X	X	1	X	X	X	X	X	◇	◇	X
Arsine	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Ascorbic Acid	X	X	1	X	3	X	1	X	X	X	◇	◇	X
Askarel Transformer Oil	4	4	1	2	2	2	1	4	4	1	◇	◇	1
Aspartic Acid	X	X	3	X	3	X	1	X	X	X	◇	◇	X
Asphalt	3	4	1	2	2	2	1	2	4	X	◇	◇	2
ASTM Method D-471-1	X	4	X	1	1	1	1	1	3	X	◇	◇	X
ASTM Method D-471-2	X	4	X	1	1	1	1	2	3	X	◇	◇	X
ASTM Method D-471-3	X	4	X	1	1	1	1	2	3	X	◇	◇	X
ASTM Reference Fuel A	2	4	1	2	1	1	1	2	4	1	◇	◇	3
ASTM Reference Fuel B	4	4	1	2	1	1	1	2	4	1	◇	◇	4
ASTM Reference Fuel C	4	4	2	2	2	2	1	4	4	1	◇	◇	4
ASTM Reference Fuel D	4	4	2	1	2	3	1	2	4	X	◇	◇	4
ASTM Reference Oil No. 1	1	4	1	1	1	1	1	1	1	1	◇	◇	1

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ASTM Reference Oil No. 2	2	4	1	1	1	1	1	2	4	1	◇	◇	2
ASTM Reference Oil No. 3	3	4	1	1	1	1	1	2	3	1	◇	◇	3
ASTM Reference Oil No. 4	4	4	1	2	2	2	1	4	4	X	◇	◇	2
ASTM Reference Oil No. 5	X	4	1	X	1	1	1	X	X	X	◇	◇	1
Astra Oil	2	4	1	X	X	1	X	3	4	1	◇	◇	X
ATL-857	4	4	1	2	2	2	X	4	4	X	◇	◇	1
Atlantic Dominion F	2	4	X	1	1	1	X	2	4	X	◇	◇	2
Atlantic Utro Gear-EP Lubricant	2	4	X	X	1	1	X	1	4	X	◇	◇	2
Aurex 903R	2	4	1	4	1	1	1	1	4	X	◇	◇	1
Automatic Transmission FLuid	2	4	1	X	1	1	1	2	4	1	◇	◇	1
Automotive Brake Fluid	2	1	4	4	3	3	1	4	3	1	◇	◇	1
Aviation Gasoline	4	4	4	1	X	1	1	2	4	1	◇	◇	3
Axarel 9100	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Azovenzene	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Baking Soda	1	1	1	1	1	1	1	1	1	1	◇	◇	X
Bardol B	4	4	1	2	4	4	1	4	4	1	◇	◇	2
Barium Carbonate	1	1	1	X	3	1	1	2	X	X	◇	◇	1
Barium Chlorate	X	X	1	X	3	X	1	X	X	X	◇	◇	X
Barium Chloride	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Barium Cyanide	1	1	1	X	1	3	1	X	X	X	◇	◇	1
Barium Fluoride	2	4	3	X	X	1	X	1	4	X	◇	◇	X
Barium Hydrate	1	1	1	X	X	1	X	1	1	1	◇	◇	X
Barium Hydroxide	2	1	1	1	1	1	1	4	1	1	◇	◇	1
Barium Iodide	X	X	X	X	1	X	1	X	X	X	◇	◇	1
Barium Monohydrate	1	X	X	1	X	1	1	X	1	1	◇	◇	X
Barium Monosulfide	1	1	X	X	X	1	X	1	2	1	◇	◇	X
Barium Nitrate	1	1	1	1	3	1	1	2	2	1	◇	◇	X
Barium Oxide	X	X	X	X	1	X	1	X	X	X	◇	◇	1
Barium Peroxide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Barium Polysulfide	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Barium Salts	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Barium Sulfate	2	1	1	1	1	1	1	1	2	1	◇	◇	1
Barium Sulfide	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Basic Iron Sulfate	1	X	X	X	X	1	X	X	X	1	◇	◇	X
Bayol 35	2	4	1	1	1	1	1	3	4	X	◇	◇	1

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Bayol D	2	4	1	1	1	1	1	4	4	X	◇	◇	1
Beer	2	1	1	1	1	1	1	2	1	1	◇	◇	1
Beet Sugar Liquids	2	1	X	1	1	1	1	4	1	X	◇	◇	1
Beet Sugar Liquors	2	1	1	1	1	1	1	4	1	X	◇	◇	1
Benzal Alcohol	3	X	1	X	X	4	X	X	X	1	◇	◇	X
Benzal Chloride	X	X	X	X	X	4	1	X	X	1	◇	◇	X
Benzaldehyde	4	1	4	4	4	4	2	4	4	1	◇	◇	2
Benzanthrone	X	X	2	X	2	X	1	X	X	X	◇	◇	X
Benzene	4	4	2	2	4	4	1	4	4	1	◇	◇	3
Benzene Carbinol	4	2	4	X	X	4	X	4	3	1	◇	◇	X
Benzene Hexachloride	X	X	2	X	X	X	1	X	X	X	◇	◇	X
Benzene Sulfonic Acid	2	4	1	2	4	4	1	4	4	1	◇	◇	1
Benzidine	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Benzil	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Benzilic Acid	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Benzine (Ligroin)	4	4	1	1	1	1	1	3	4	1	◇	◇	2
Benzochloride	4	1	X	1	4	4	X	X	X	X	◇	◇	1
Benzoic Acid	2	4	1	2	4	4	1	4	4	1	◇	◇	1
Benzoin	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Benzol	4	4	2	2	4	4	1	4	4	1	◇	◇	3
Benzonitrile	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Benzophenone	4	2	2	1	4	4	1	4	4	X	◇	◇	1
Benzoquinone	4	2	1	X	X	X	1	4	X	X	◇	◇	2
Benzotrichloride	X	1	1	X	4	4	1	4	X	1	◇	◇	3
Benzotrifluoride	X	X	X	X	4	X	1	X	X	X	◇	◇	1
Benzoyl Chloride	4	4	2	2	X	4	1	4	4	X	◇	◇	2
Benzoyl Peroxide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Benzoylsulfonic Acid	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Benzyl Acetate	X	X	X	X	3	4	1	X	X	X	◇	◇	X
Benzyl Alcohol	4	2	1	2	4	4	1	4	2	1	◇	◇	2
Benzyl Amine	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Benzyl Benzoate	4	2	1	1	4	4	1	X	X	X	◇	◇	2
Benzyl Bromide	X	X	X	X	4	X	1	X	X	X	◇	◇	2
Benzyl Butyl Phthalate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Benzyl Chloride	4	4	2	2	4	4	1	4	4	1	◇	◇	2

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Benzyl Phenol	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Benzyl Salicylate	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Beryllium Chloride	X	X	X	X	4	X	1	X	X	X	◇	◇	1
Beryllium Fluoride	X	X	X	X	1	X	1	X	X	X	◇	◇	1
Beryllium Oxide	X	X	X	X	1	X	1	X	X	X	◇	◇	1
Beryllium Sulfate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Beta Carotene	4	X	1	X	X	1	X	1	X	X	◇	◇	X
Bismuth Carbonate	1	1	1	X	3	1	X	X	X	X	◇	◇	X
Bismuth Nitrate	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Bismuth Oxychloride	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Bittern	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Black Liquor	1	1	1	X	2	1	3	4	1	1	◇	◇	2
Black Point 77	3	1	1	3	1	1	1	3	3	X	◇	◇	1
Black Sulfate Liquor	1	1	1	2	X	1	X	X	2	1	◇	◇	X
Blast-Furnace Gas	4	4	1	2	4	4	1	4	1	1	◇	◇	1
Bleach Liquor	4	1	1	2	2	4	1	4	2	1	◇	◇	1
Bleach Solutions	4	1	X	2	X	4	1	4	2	X	◇	◇	X
Blood	1	1	2	X	X	3	X	2	2	1	◇	◇	X
Borax	X	1	1	2	2	2	1	1	2	X	◇	◇	1
Borax Solution	2	1	1	2	1	2	X	1	2	2	◇	◇	X
Bordeaux Mixture	2	1	1	2	2	1	1	4	2	1	◇	◇	1
Boric Acid	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Boric Oxide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Borneol	X	X	2	X	2	X	1	X	X	X	◇	◇	X
Bornyl Acetate	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Bornyl Chloride	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Bornyl Formate	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Boron FLuids (HEF)	4	4	1	2	2	2	1	4	4	X	◇	◇	2
Boron Phosphate	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Boron Tribromide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Boron Trichloride	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Boron Trifluoride	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Boron Trioxide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Brayco 885 (MIL-L-6085A)	2	4	1	1	2	2	1	3	3	X	◇	◇	2
Brayco 910	2	1	4	4	2	2	1	3	4	X	◇	◇	3

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Bret 710	2	1	X	4	2	2	X	3	4	X	◇	◇	2
Brine	2	1	1	1	1	1	1	X	1	X	◇	◇	1
Brine Seawater	3	2	X	1	1	2	X	2	1	X	◇	◇	1
Brom - 113	4	4	X	X	3	3	X	X	4	X	◇	◇	3
Brom - 114	2	4	X	X	2	2	X	X	4	X	◇	◇	3
Bromic Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Bromine	4	4	1	2	4	4	1	4	4	X	◇	◇	1
Bromine Anhydrous	4	4	1	2	X	4	1	X	4	1	◇	◇	1
Bromine Pentafluoride	4	4	4	4	4	4	2	4	4	X	◇	◇	4
Bromine Trifluoride	4	4	4	4	4	4	2	4	4	1	◇	◇	4
Bromine Water	4	2	2	2	4	4	1	4	4	X	◇	◇	3
Bromobenzene	4	4	1	2	4	4	1	4	4	1	◇	◇	2
Bromochloromethane	4	2	1	2	X	4	1	X	4	1	◇	◇	3
Bromotrifluoromethane (F-13B1)	X	1	X	2	X	1	2	X	4	X	◇	◇	3
Buffered Oxide Etchants	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Bunker Oil	4	4	1	1	1	1	1	2	2	1	◇	◇	2
Bunker's "C" (Fuel Oil)	4	4	1	1	X	1	X	2	X	X	◇	◇	X
Butadiene	4	4	3	1	4	4	1	4	4	X	◇	◇	2
Butane	3	4	1	2	1	1	1	1	4	4	◇	◇	2
Butane, 2, 2-Dimethyl	2	4	X	1	1	1	X	4	4	X	◇	◇	2
Butanol (Butyl Alcohol)	2	2	X	1	1	1	X	X	2	X	◇	◇	1
Butene 2-Ethyl (1-Butene, 2-Ethyl)	4	4	X	3	1	1	X	4	4	X	◇	◇	1
Butter-Animal Fat	3	1	X	1	1	1	1	3	2	X	◇	◇	1
Butyl Acetate	4	2	4	4	4	4	1	4	4	X	◇	◇	X
n-Butyl Acetate	4	2	4	4	4	4	1	4	4	1	◇	◇	4
Butyl Acetyl Ricinoleate	2	1	1	2	2	2	1	4	X	1	◇	◇	1
Butyl Acrylate	4	4	4	4	4	4	1	X	1	X	◇	◇	4
Butyl Alcohol	1	2	1	1	1	1	1	4	2	X	◇	◇	1
n-butyl Alcohol	1	1	1	1	1	1	1	4	2	1	◇	◇	1
tert-Butyl Alcohol	2	2	1	2	2	2	1	4	2	X	◇	◇	1
Butyl Aldehyde	3	2	4	X	X	4	X	3	3	1	◇	◇	X
Butyl Amine	4	4	4	4	1	3	1	4	4	1	◇	◇	2
Butyl Benzoate	4	1	1	1	3	4	1	X	X	X	◇	◇	X
n-Butyl Benzoate	4	1	1	1	3	4	1	X	X	X	◇	◇	X
Butyl Benzyl Phthalate (BBP)	X	X	3	X	X	4	1	X	X	1	◇	◇	X

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Butyl Butyrate	4	1	1	1	X	4	1	X	X	1	◇	◇	X
n-Butyl Butyrate	4	1	1	1	X	4	1	X	X	1	◇	◇	X
ter-Butyl Caltechol	2	2	X	1	4	4	1	4	X	X	◇	◇	X
Butyl Carbitol	3	1	2	4	4	4	1	4	4	1	◇	◇	2
Butyl Cellosolve	4	2	4	4	3	3	1	4	4	1	◇	◇	3
Butyl Cellosolve Acetate	X	2	2	2	3	4	1	X	2	X	◇	◇	2
Butyl Cellosolve Adipate	4	2	X	2	4	4	X	4	2	X	◇	◇	2
Butyl Chloride	X	X	X	X	3	4	1	X	X	X	◇	◇	X
Butyl Ether	4	3	4	3	3	3	1	2	4	X	◇	◇	X
n-Butyl Ether	4	3	4	3	3	3	1	2	4	X	◇	◇	X
Butyl Lactate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Butyl Laurate	X	X	2	X	3	X	1	X	X	X	◇	◇	X
Butyl Mercaptan	X	4	4	X	4	4	1	X	4	X	◇	◇	1
tert-Butyl Mercaptan	4	4	X	X	4	4	1	4	4	X	◇	◇	X
Butyl Oleate	4	2	1	2	4	4	1	4	2	1	◇	◇	2
Butyl Oxalate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Butyl Stearate	4	4	1	2	2	2	1	2	X	X	◇	◇	2
Butylene	3	4	1	2	4	1	1	3	4	X	◇	◇	X
Butyraldenhyde	4	3	4	4	4	4	2	4	4	1	◇	◇	2
Butyric Acid	4	2	3	2	2	4	1	4	4	1	◇	◇	1
Butyric Anhydride	X	X	X	X	3	3	1	X	X	X	◇	◇	X
Butryl Chloride	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Butyrolacetone	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Butyroyl Chloride	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Cadmium Chloride	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Cadmium Cyanide	2	1	1	1	1	2	1	X	X	1	◇	◇	1
Cadmium Nitrate	X	X	2	X	3	X	1	X	X	X	◇	◇	X
Cadmium Oxide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Cadmium Sulfate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Cadmium Sulfide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Calcine Liquors	2	1	1	1	1	1	1	4	X	1	◇	◇	1
Calcium Acetate	2	1	4	4	2	2	1	4	4	X	◇	◇	2
Calcium Aluminate	X	X	1	X	X	1	X	X	X	1	◇	◇	X
Calcium Arsenate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Calcium Benzoate	4	4	1	2	2	2	1	3	X	X	◇	◇	X

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Calcium Bicarbonate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Calcium Bichromate	X	X	X	X	X	X	1	X	X	1	◇	◇	X
Calcium Bisulfide	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Calcium Bisulfite	3	4	1	3	1	1	1	1	3	1	◇	◇	1
Calcium Bromide	1	1	1	1	1	1	1	1	1	X	◇	◇	1
Calcium Carbide	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Calcium Carbonate	1	1	1	1	1	1	1	4	4	1	◇	◇	1
Calcium Chlorate	2	1	X	X	3	1	1	2	X	X	◇	◇	X
Calcium Chloride	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Calcium Chromate	X	X	X	X	1	X	1	X	X	X	◇	◇	X
Calcium Cyanamide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Calcium Cyanide	1	1	1	X	1	1	1	X	1	1	◇	◇	1
Calcium Disulfate	3	1	1	1	X	1	X	1	2	1	◇	◇	X
Calcium Fluoride	X	X	X	X	3	X	1	X	X	X	◇	◇	1
Calcium Hydrate	1	1	1	X	X	1	X	1	X	X	◇	◇	X
Calcium Hydride	X	X	X	X	3	X	1	X	X	X	◇	◇	1
Calcium Hydrosulfide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Calcium Hydroxide	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Calcium Hypochlorite	4	1	1	2	2	2	1	4	2	1	◇	◇	1
Calcium Hypophosphite	X	X	X	X	3	X	1	4	X	X	◇	◇	X
Calcium Hydrogen Sulfite	X	4	1	1	X	4	1	X	1	X	◇	◇	1
Calcium Lactate	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Calcium Nitrate	1	1	1	1	1	1	1	1	2	1	◇	◇	1
Calcium Oxalate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Calcium Oxide	2	1	1	X	1	1	1	2	3	X	◇	◇	1
Calcium Permanganate	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Calcium Peroxide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Calcium Phenosulfate	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Calcium Phosphate	2	1	1	1	1	1	1	1	1	X	◇	◇	1
Calcium Propionate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Calcium Salts	1	1	1	1	1	1	1	1	2	1	◇	◇	1
Calcium Silicate	1	1	1	X	1	1	1	X	X	1	◇	◇	1
Calcium Stearate	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Calcium Sufamate	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Calcium Sulfate	4	1	2	X	3	1	1	2	X	1	◇	◇	X

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Calcium Sulfide	2	1	1	1	1	1	1	1	2	1	◇	◇	1
Calcium Sulfite	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Calcium Thiocyanate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Calcium Thiosulfate	1	1	1	1	2	2	1	1	1	1	◇	◇	1
Calcium Tungstate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Calcium Gluconate	X	X	X	X	1	X	1	X	X	X	◇	◇	X
Caliche Liquors	2	1	1	1	1	1	1	1	2	1	◇	◇	1
Camphene	X	X	2	X	2	X	1	X	X	X	◇	◇	X
Camphor	X	1	2	X	2	1	1	X	X	X	◇	◇	1
Cane Sugar Liquors	2	1	1	1	1	1	1	4	1	1	◇	◇	1
Caproic Acid	X	X	2	X	1	X	1	X	X	X	◇	◇	X
Caproic Aldehyde	X	2	4	4	X	X	1	X	2	X	◇	◇	3
Caprolactum	X	1	4	X	1	1	1	X	X	X	◇	◇	2
Carbamate	2	2	1	1	3	3	1	4	1	1	◇	◇	1
Carbitol	2	2	2	2	2	2	1	4	2	X	◇	◇	1
Carbolic Acid (Phenol)	4	4	1	2	4	4	1	4	4	1	◇	◇	1
Carbon Bisulfide	4	4	1	2	4	X	1	X	4	1	◇	◇	2
Carbon Dioxide, Dry	2	2	1	2	1	1	1	1	2	1	◇	◇	1
Carbon Dioxide, Wet	2	2	1	2	1	1	1	X	2	1	◇	◇	1
Carbon Disulfide	4	2	1	2	2	X	1	X	2	1	◇	◇	1
Carbon Fluorides	X	X	X	X	2	X	1	X	X	X	◇	◇	2
Carbon Monoxide	4	1	1	2	1	1	1	1	1	1	◇	◇	1
Carbon Sulfide	1	X	4	X	X	1	X	X	X	1	◇	◇	X
Carbon Tetrabromide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Carbon Tetrachloride	4	4	1	3	2	4	1	4	4	1	◇	◇	4
Carbon Tetrafluoride	4	2	X	X	2	4	X	1	X	X	◇	◇	2
Carbonated Beverages	1	1	1	2	X	1	X	2	3	X	◇	◇	X
Carbonic Acid	4	1	1	1	1	2	1	1	1	1	◇	◇	1
Carbonic Anhydride	1	1	1	X	X	1	X	1	1	1	◇	◇	X
Casein	2	1	1	1	3	1	1	X	1	1	◇	◇	X
Castor Oil	1	2	1	1	1	1	1	1	1	1	◇	◇	1
Catsup	2	X	1	X	X	1	X	4	X	X	◇	◇	X
Caustic Lime	2	1	1	1	1	1	1	X	1	1	◇	◇	1
Caustic Potash	4	1	1	3	3	2	1	X	3	1	◇	◇	1
Caustic Soda	1	1	4	2	2	2	1	4	2	1	◇	◇	1

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Celloguard	X	1	1	1	1	1	1	X	1	X	◇	◇	1
Cellosolve	4	2	4	4	4	4	1	4	4	X	◇	◇	1
Cellosolve Acetate	4	2	4	4	4	4	1	4	4	X	◇	◇	3
Cellosolve Butyl	4	2	X	4	4	4	X	4	4	X	◇	◇	2
Cellulose Acetate	4	X	4	X	3	2	1	4	X	X	◇	◇	X
Cellulube A60	4	2	3	3	4	4	1	4	3	X	◇	◇	2
Cellutherm 2505A	4	4	1	2	2	2	1	4	4	X	◇	◇	1
Cement, Portland	X	1	1	X	X	1	1	X	X	X	◇	◇	1
Cerium Sulfate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Cerous Chloride	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Cerous Fluoride	1	1	X	1	3	3	1	4	2	X	◇	◇	X
Cerous Nitrate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Cetane (Hexadecane)	2	4	1	3	1	1	1	4	4	1	◇	◇	1
Cetyl Alcohol	4	4	1	1	1	1	1	1	2	X	◇	◇	X
Chassis Grease	3	4	X	X	X	1	X	X	4	1	◇	◇	X
Chaulmoogric Acid	X	X	X	X	X	X	1	X	X	X	◇	◇	X
China Wood Oil	2	4	1	2	1	1	1	3	4	1	◇	◇	2
Chloral	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Chloramine	X	X	4	X	X	X	1	X	X	X	◇	◇	X
Chloranthraquinone	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Chlordane	3	4	1	2	2	2	1	X	4	1	◇	◇	1
Chlorextol	2	4	1	2	2	2	1	4	4	X	◇	◇	1
Chloric Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Chloride/Chlorate of Lime	4	1	1	1	2	3	1	3	2	1	◇	◇	1
Chlorinated Napthalene	X	4	2	2	X	4	1	X	4	X	◇	◇	4
Chlorianted Salt Brine	4	4	1	1	4	4	1	4	4	1	◇	◇	1
Chlorine (Wet)	4	X	1	2	3	X	1	4	4	X	◇	◇	3
Chlorine Dioxide	4	4	1	2	4	4	2	4	3	1	◇	◇	3
Chlorine Trifluoride	4	4	4	4	4	4	2	4	4	1	◇	◇	4
Chlorine Water	4	3	1	X	3	3	1	4	4	X	◇	◇	1
Chloroacetic Acid	4	2	4	4	4	4	1	4	X	1	◇	◇	2
Chloroacetone	3	1	4	4	4	4	1	4	4	1	◇	◇	4
Chloroacetonitrile	3	X	X	X	X	3	X	X	X	X	◇	◇	X
Chloroacetyl Chloride	X	X	X	X	X	X	1	X	X	X	◇	◇	X
m-Chloroaniline	X	2	X	X	X	4	1	X	X	X	◇	◇	2

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Chlorobenzene	4	4	1	2	4	4	1	4	4	X	◇	◇	2
Chlorobenzene Chloride	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Chlorobenzol	4	4	1	2	4	4	1	X	4	1	◇	◇	X
m-Chlorobenzotrifluoride	X	4	X	2	X	4	1	X	4	X	◇	◇	X
Chlorobromomethane	4	2	1	2	4	4	1	4	4	1	◇	◇	3
Chlorobromopropane	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Chlorobutadiene	4	4	1	2	4	4	1	4	4	1	◇	◇	2
Chlorobutane (Butyl Chloride)	X	X	1	X	1	4	X	X	X	X	◇	◇	X
Chlorododecane	4	4	1	1	4	4	1	4	4	1	◇	◇	2
Chloroethane	4	1	1	1	1	1	X	3	X	X	◇	◇	X
Chloroethanoic Acid	4	1	2	4	4	4	X	X	2	X	◇	◇	X
Chloroethanol	2	2	1	2	4	4	1	X	3	1	◇	◇	X
Chloroethyl Alcohol	2	1	1	2	4	4	1	X	3	1	◇	◇	X
Chloroethyl Benzene	4	4	1	2	X	4	1	2	4	1	◇	◇	X
Chloroform	4	4	2	3	4	4	1	4	4	1	◇	◇	2
Chlorohydrin	X	1	1	X	3	1	1	X	X	X	◇	◇	1
Chloromethane	4	3	2	2	X	3	X	4	4	1	◇	◇	X
Chloromethyl Ether	4	3	4	4	X	4	X	4	4	1	◇	◇	X
o-Chloronapthalene	4	4	X	2	4	4	X	4	4	X	◇	◇	X
Chloronapthalene	4	4	X	2	4	4	X	4	4	X	◇	◇	X
Chloropentafluoroethane	X	1	1	X	X	1	2	X	X	X	◇	◇	4
Chloropentane	4	4	1	2	1	4	1	X	4	1	◇	◇	X
o-Chlorophenol	4	4	1	2	X	4	1	4	4	1	◇	◇	X
Chloropicrin	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Chloroprene	4	4	1	2	4	4	1	X	4	1	◇	◇	3
Chloropropene	4	4	1	4	1	2	1	X	1	X	◇	◇	X
Chloropropylene	4	X	1	4	1	1	1	X	1	1	◇	◇	X
Chlorosilane	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Chlorosulfonic Acid	4	4	4	4	4	4	1	4	4	X	◇	◇	4
Chlorotoluene	4	4	1	2	4	4	1	4	4	X	◇	◇	2
Chlorotriflourethylene	X	X	X	X	X	4	1	X	X	X	◇	◇	X
Chlorox (Sodium Hypochlorite NaOCl)	2	2	1	1	2	2	1	4	2	1	◇	◇	1
Cholestrol	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Chrome Alum	2	1	1	X	1	1	1	2	1	1	◇	◇	3
Chrome Plating Solution	4	4	1	2	4	4	1	4	2	1	◇	◇	1

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Chromic Acid	4	2	1	3	4	4	1	4	3	1	◇	◇	1
Chromic Chloride	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Chromic Fluorides	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Chromic Hydroxide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Chromic Nitrates	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Chromic Oxide	4	2	1	2	4	4	1	4	X	1	◇	◇	1
Chromic Phosphate	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Chromic Sulfate	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Chromium Potassium Sulfate (Alum)	2	2	1	X	X	1	1	2	1	X	◇	◇	2
Chromyl Chlorides	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Cinnamic Acid	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Cinnamic Alcohol	X	X	1	X	X	X	1	X	X	X	◇	◇	X
Cinnamic Aldehyde	X	X	3	X	2	X	1	X	X	X	◇	◇	X
Circo Light Process Oil	2	4	1	1	1	1	1	1	4	1	◇	◇	1
Citric Acid	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Citrous Oils	4	2	1	X	X	1	X	X	3	1	◇	◇	X
City Service 65, 120, 250	2	4	1	1	1	1	1	2	4	X	◇	◇	1
City Service Kool Motor Oil No. 140	2	4	1	1	1	1	1	1	4	X	◇	◇	1
City Service Pacemaker No. 2	2	4	1	1	1	1	1	2	4	2	◇	◇	1
Clorinated Solvents	4	4	1	1	4	4	1	4	4	1	◇	◇	4
Clorine (Dry)	4	X	1	1	3	X	1	4	4	X	◇	◇	3
Clorobenzene Triflouride	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Clorox	X	2	1	2	X	2	1	X	2	X	◇	◇	X
Coal Tar (Creosote)	2	4	1	1	1	1	1	3	4	X	◇	◇	1
Cobalt Chloride	1	1	1	1	1	1	1	3	2	X	◇	◇	1
Cobaltous Aceate	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Cobaltous Bromide	X	X	X	X	1	X	1	X	X	X	◇	◇	1
Cobatoous Linoleate	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Cobaltous Sulfate	X	X	1	X	3	X	1	X	X	X	◇	◇	X
Coconut Oil	4	2	1	1	1	1	1	3	1	X	◇	◇	2
Cod Liver Oil	2	1	1	1	1	1	1	1	2	1	◇	◇	1
Coffee	1	1	X	X	1	1	X	4	X	X	◇	◇	1
Coke Over Gas	4	4	1	2	4	4	1	4	2	3	◇	◇	2
Coliche Liquors	1	2	X	X	2	2	X	X	X	X	◇	◇	2
Convelex 10	4	3	1	X	4	4	1	2	4	X	◇	◇	2

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Coolanol	2	4	1	1	1	1	1	4	4	X	◇	◇	2
Coolanol 25,45	4	3	1	1	1	1	1	1	4	X	◇	◇	2
Copper Aceate	2	1	4	4	2	2	1	4	4	1	◇	◇	2
Copper Ammonium Aceate	3	1	4	4	3	2	1	X	4	X	◇	◇	4
Copper Arsenate	1	1	1	X	X	1	X	X	X	1	◇	◇	X
Copper Borofluoride	1	1	1	X	X	1	X	X	X	1	◇	◇	X
Copper Carbonate	X	1	X	X	3	4	1	X	X	X	◇	◇	X
Copper Chloride	2	1	1	1	1	1	1	2	1	1	◇	◇	1
Copper Cyanide	1	1	1	1	1	1	1	1	1	1	◇	◇	2
Copper Fluoride	X	1	1	X	X	X	X	X	X	1	◇	◇	X
Copper Gluconate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Copper Hydrate	X	X	3	X	X	2	X	X	X	1	◇	◇	X
Copper Nitrate	2	2	1	X	1	2	1	2	X	1	◇	◇	2
Copper Oxide	X	X	X	X	1	X	X	X	X	X	◇	◇	1
Copper Plating Solution	1	1	1	3	X	1	X	4	3	X	◇	◇	X
Copper Salts	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Copper Sulfate	2	1	1	1	1	1	1	4	1	1	◇	◇	1
Copper Sulfate 10%	2	1	X	X	1	1	X	2	X	X	◇	◇	1
Copper Sulfate 50%	2	1	X	X	1	1	X	3	X	X	◇	◇	1
Copper Sulfide	X	X	1	X	X	1	X	X	X	1	◇	◇	X
Corn Oil	3	3	1	1	1	1	1	1	1	1	◇	◇	1
Cottonseed Oil	3	3	1	1	1	1	1	1	1	1	◇	◇	1
Creosote (Coal Tar)	2	4	1	1	1	1	1	3	4	X	◇	◇	1
Creosote (Wood Tar)	3	4	X	1	1	1	X	3	X	X	◇	◇	2
Cresol (Methyl Phenol)	4	4	1	2	3	4	1	4	X	X	◇	◇	1
Cresols	4	4	X	2	4	4	X	4	4	X	◇	◇	2
Cresylic Acids	4	4	1	2	1	4	1	4	4	1	◇	◇	1
Crotonaldehyde	4	1	4	2	X	4	1	4	4	1	◇	◇	X
Crotonic Acid	X	2	2	4	2	4	1	X	4	X	◇	◇	X
Crude Oil Sour	3	X	X	X	2	X	X	2	X	1	◇	◇	2
Crude Oil, Asphalt Base	3	4	1	2	1	2	1	1	4	1	◇	◇	2
Cumene	2	4	1	2	4	4	1	4	4	1	◇	◇	2
Cupric Acetate	2	1	X	X	X	2	X	X	X	1	◇	◇	X
Cupric Arsenate	1	1	1	X	X	1	X	X	X	1	◇	◇	X
Cupric Carbonate	1	X	1	X	X	1	X	X	X	1	◇	◇	X

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Cupric Chloride	X	1	1	X	X	1	X	1	X	1	◇	◇	X
Cupric Cyanide	1	1	1	X	X	1	X	1	1	1	◇	◇	X
Cupric Fluoride	1	1	1	X	X	1	X	X	X	1	◇	◇	X
Cupric Hydroxide	X	X	3	X	X	2	X	X	X	1	◇	◇	X
Cupric Nitrate	1	1	1	X	X	1	X	X	X	1	◇	◇	X
Cupric Nitrite	X	X	1	X	X	1	X	X	X	1	◇	◇	X
Cupric Sulfate	2	1	1	X	1	1	1	X	1	1	◇	◇	1
Cupric Sulfide	X	X	1	X	X	1	X	X	X	1	◇	◇	X
Cutting Oil	2	4	1	1	1	1	1	1	4	1	◇	◇	1
Cyanide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Cyanamide	X	X	1	X	X	X	1	X	X	X	◇	◇	X
Cyanogen Chloride	X	3	2	X	X	4	1	X	X	X	◇	◇	3
Cyclohexane	4	4	1	2	1	2	1	2	4	1	◇	◇	2
Cyclohexanol	2	4	1	1	1	2	1	X	4	1	◇	◇	1
Cyclohexanone	4	3	4	4	4	4	2	4	4	1	◇	◇	3
Cyclohexene	X	X	3	X	2	X	1	X	X	X	◇	◇	X
Cyclohexylamine	4	1	4	4	1	3	1	4	4	X	◇	◇	X
Cyclohexylamine Laurate	4	4	1	2	1	1	1	1	2	X	◇	◇	X
Cyclopentadiene	X	X	3	X	2	X	1	X	X	X	◇	◇	X
Cyclopentane	1	4	1	X	1	2	1	X	X	1	◇	◇	2
Cyclopentanol	X	X	2	X	X	2	X	X	X	X	◇	◇	X
Cyclopolyolefins	4	4	4	1	1	1	1	1	4	X	◇	◇	2
Cymene	4	4	1	2	4	4	1	4	4	X	◇	◇	X
Decalin	4	4	1	1	4	4	1	X	4	X	◇	◇	2
n-Decane	3	4	1	1	1	1	1	X	2	1	◇	◇	1
Decane	4	4	1	1	1	1	1	2	2	X	◇	◇	2
Degreasing Fluid	X	4	X	X	X	4	X	1	X	1	◇	◇	X
Dehydrated Alcohol	1	1	2	X	X	1	X	4	1	1	◇	◇	X
Deionized Water	2	1	1	X	X	2	1	X	X	1	◇	◇	2
Delco Brake Fluid	2	1	4	4	3	3	1	X	3	X	◇	◇	1
Denatured Alcohol	2	1	1	1	1	1	1	4	1	1	◇	◇	1
Detergen Solutions	2	1	1	1	1	1	1	2	1	1	◇	◇	1
Developing Fluids	2	2	1	1	1	1	1	X	2	1	◇	◇	1
Dextrin	1	1	1	X	1	1	X	1	X	X	◇	◇	X
Dextron	2	4	1	2	1	1	1	2	4	X	◇	◇	1



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Dextrose	2	1	1	1	1	1	X	1	1	X	◇	◇	X
Diacetone	4	1	4	4	4	4	1	4	4	1	◇	◇	2
Diacetone Alcohol	4	1	4	4	4	4	1	4	X	X	◇	◇	2
Diamylamine	4	1	4	4	1	2	1	4	4	1	◇	◇	X
Diazinon	X	4	2	2	3	3	1	X	4	X	◇	◇	2
Dibenzyl Ether	4	3	4	X	4	4	1	2	X	1	◇	◇	3
Dibenzyl Sebacate	4	2	2	3	4	4	1	2	3	1	◇	◇	1
Dibromoethyl Benzene (Alkazene)	4	4	2	2	4	4	1	4	4	X	◇	◇	2
Dibromotetrafluoroethane (Freon 114B2)	2	4	2	X	X	2	2	X	4	X	◇	◇	4
Dibutyl Cellosolve Adipate	4	1	X	4	3	4	X	4	4	X	◇	◇	X
Dibutyl Ether	4	3	3	3	4	4	1	4	4	1	◇	◇	3
Dibutyl Phthalate (DBP)	4	1	3	3	4	4	1	3	2	1	◇	◇	3
Dibutyl Sebacate (DBS)	4	2	4	2	4	4	1	4	2	1	◇	◇	2
Dichlorobenzene	4	4	1	2	4	4	1	4	4	X	◇	◇	X
o-Dichlorobenzene	4	4	1	2	X	4	1	4	4	1	◇	◇	4
Dichlorobutane	4	4	1	2	2	2	1	4	4	1	◇	◇	1
Dichlorobutene	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Dichloroacetic Acid	X	X	4	X	2	4	1	X	X	1	◇	◇	X
Dichlorodifluoromethane (Freon 12)	3	2	2	4	1	1	2	1	4	1	◇	◇	4
Dichloroethane	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Dichloroethylene	4	4	1	4	2	4	1	3	X	1	◇	◇	X
Dichlorofluoromethane (Freon 21)	4	4	4	X	X	4	1	X	4	1	◇	◇	4
Dichlorohexane	X	X	1	X	X	4	X	X	X	1	◇	◇	X
Dichlorohydrin	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Dichloroisopropyl Ether	4	3	3	3	4	4	1	2	4	1	◇	◇	3
Dichloromethane	4	3	3	2	2	4	X	4	4	X	◇	◇	X
Dichloropentane	4	4	1	3	X	4	X	X	4	X	◇	◇	X
Dichloropropane	4	4	1	2	2	4	X	X	4	X	◇	◇	X
Dichloropropene	X	X	2	X	2	X	1	X	X	1	◇	◇	X
Dichlorotetrafluoroethane (Freon 114)	1	4	2	2	1	1	2	1	4	1	◇	◇	4
Dicyclohexylamine	4	4	4	4	3	3	1	4	4	1	◇	◇	3
Dieldrin	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Diesel Oil	4	4	1	1	1	1	1	3	4	1	◇	◇	1
Diester Lubricant (MIL-L-7808)	4	4	1	2	2	2	1	4	4	1	◇	◇	1
Diester Synthetic Lubricating Oils	4	4	1	2	2	2	1	4	4	1	◇	◇	1



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Diethanolamine (DEA)	4	1	X	4	3	X	1	4	4	X	◇	◇	X
Diethyl Amine	2	2	4	4	X	3	1	3	2	X	◇	◇	4
Diethyl Aniline	4	1	X	4	3	4	1	X	X	X	◇	◇	X
Diethyl Benzene	4	4	1	3	X	4	1	4	4	X	◇	◇	3
Diethyl Carbinol	1	1	1	X	X	1	X	3	4	1	◇	◇	X
Diethyl Carbonate	4	3	1	2	3	4	1	4	4	1	◇	◇	X
Diethyl Ether	4	4	4	3	4	4	1	1	4	1	◇	◇	4
Diethyl Formaldehyde	4	1	4	4	X	4	X	4	4	X	◇	◇	X
Diethyl Hydrazine	3	1	4	4	X	3	X	4	4	X	◇	◇	X
Diethyl Ketone	4	2	4	X	X	4	X	X	X	1	◇	◇	X
Diethyl Oxide	3	4	X	X	X	2	X	1	X	4	◇	◇	X
Diethyl Phthalate	X	2	2	2	2	4	1	X	3	1	◇	◇	2
Diethyl Sebacate	4	2	2	2	3	4	1	4	2	1	◇	◇	2
Diethyl Sulfate	1	1	4	3	X	4	1	4	1	X	◇	◇	2
Diethylene Glycol	1	1	4	1	1	1	1	4	2	X	◇	◇	1
Difluorodibromomethane	4	2	X	X	4	4	X	4	4	X	◇	◇	2
Difluoroethane (Freon 152)	X	1	4	X	2	1	1	X	X	X	◇	◇	4
Diglycol Chloroformate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Diglycolic Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Dihydroxydiphenylsulfone	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Diisobutyl Carbinol	4	4	1	1	1	1	1	1	2	X	◇	◇	X
Dissobutyl Ketone	4	1	4	4	X	4	1	4	4	1	◇	◇	1
Diisobutylene	4	4	4	3	1	1	1	4	4	1	◇	◇	2
Diisooctyl Adipate	X	X	3	X	X	4	X	X	X	1	◇	◇	X
Diisooctyl Phthalate	4	1	3	X	X	4	1	X	X	1	◇	◇	X
Diisooctyl Sebacate (DISO)	4	3	2	3	4	3	1	4	3	X	◇	◇	2
Diisoprene	4	4	1	X	X	3	X	X	X	1	◇	◇	X
Diisopropyl Amine	X	X	X	X	X	2	X	X	X	1	◇	◇	X
Diisopropyl Benzene	4	4	1	2	2	4	1	4	4	1	◇	◇	X
Diisopropyl Ether (DIPE)	4	4	1	3	2	2	X	X	4	X	◇	◇	X
Diisopropyl Ketone	4	1	4	4	X	4	1	4	4	1	◇	◇	2
Diisopropylidene Acetone (Phorone)	X	3	4	4	2	4	1	X	4	X	◇	◇	X
Dilaurel Ether	X	X	X	X	X	2	X	2	4	1	◇	◇	X
Dimethyl Acetamide	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Dimethyl Aniline (Xylidine)	4	2	4	4	2	3	1	4	4	X	◇	◇	X

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Dimethyl Benzene	4	4	1	2	4	4	1	3	4	1	◇	◇	4
Dimethyl Carbinol	1	2	1	X	X	2	X	4	1	1	◇	◇	X
Dimethyl Ether	3	2	4	1	1	4	1	X	1	X	◇	◇	4
Dimethyl Fomaldehyde	X	X	4	X	3	X	X	X	X	X	◇	◇	X
Dimethyl Formamide (DMF)	4	2	4	4	2	3	1	4	3	1	◇	◇	2
Dimethyl Hydrazine	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Dimethyl Ketone	3	1	4	4	4	4	1	4	2	1	◇	◇	4
Dimethyl Methane	2	4	1	2	1	1	1	2	4	1	◇	◇	X
Dimethyl Phenol	X	X	4	X	X	4	X	X	X	1	◇	◇	X
Dimethyl Phenyl Carbinol	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Dimethyl Phenyl Methanol	4	4	X	2	2	2	1	3	X	X	◇	◇	X
Dimethyl Phthalate (DMP)	4	2	2	2	4	4	1	4	X	1	◇	◇	2
Dimethyl Sulfoxide (DMSO)	2	1	X	X	3	3	1	4	X	1	◇	◇	4
Dimethyl Terephthalate (DMT)	4	3	2	2	4	4	1	4	4	X	◇	◇	X
Dinitrichlorobenzene	4	4	X	2	2	4	X	4	4	X	◇	◇	X
Dinitrotoluene (DNT)	4	4	4	4	4	4	1	4	4	1	◇	◇	4
Diethyl Adipate	4	2	3	X	X	4	X	X	X	1	◇	◇	X
Diethyl Amine	4	1	4	4	X	2	1	4	4	1	◇	◇	X
Diethyl Phthalate	4	2	4	2	4	4	1	4	3	X	◇	◇	2
Diethyl Sebacate	4	2	1	3	4	4	1	2	3	X	◇	◇	2
Dioxane	4	2	4	4	2	4	1	4	4	1	◇	◇	3
Dioxolane	4	2	4	4	4	4	1	4	4	1	◇	◇	3
Dipentene	4	4	1	3	2	2	1	4	4	1	◇	◇	3
Diphenyl (Biphenol)	4	4	1	2	4	4	1	4	4	1	◇	◇	3
Diphenyl Oxide	4	4	1	2	4	4	1	4	3	1	◇	◇	2
Diphenylamine (DPA)	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Diphenylene Oxide	X	X	1	X	X	X	1	X	X	X	◇	◇	X
Diphenylpropane	X	X	2	X	2	X	X	X	X	X	◇	◇	X
Dodecyl Benzene	X	X	1	X	2	4	1	X	X	1	◇	◇	X
Dow Chemical 50-4	3	1	4	4	3	3	2	X	X	X	◇	◇	2
Dow Chemical ET378	4	3	3	X	4	4	2	2	4	X	◇	◇	3
Dow Corning 1208, 4050, 6620	1	1	1	1	1	1	1	1	1	X	◇	◇	1
Dow Corning 3, 4, 11	1	1	1	1	1	1	1	1	3	X	◇	◇	1
Dow Corning 5, 33, 44	1	1	1	2	1	1	1	1	3	2	◇	◇	1
Dow Corning 55	1	1	1	2	1	1	1	1	3	X	◇	◇	1



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Dow Corning F-61	1	1	1	1	1	1	1	1	2	1	◇	◇	1
DowGuard	1	1	1	1	1	1	1	3	1	X	◇	◇	1
DowTherm 209	2	1	1	3	3	3	1	X	3	X	◇	◇	1
DowTherm A	4	4	1	2	4	4	1	4	4	1	◇	◇	2
DowTherm E	4	4	1	2	4	4	1	4	4	X	◇	◇	1
DowTherm Oil	4	4	3	1	X	X	X	2	2	1	◇	◇	X
DowTherm S.R.-1	X	X	1	X	X	1	X	X	X	1	◇	◇	X
Drinking Water	2	1	1	1	1	1	1	4	1	1	◇	◇	1
Dry Cleaning Fluids	4	4	1	2	3	3	2	4	4	1	◇	◇	3
DTE Light Oil	2	4	1	1	1	1	1	2	3	2	◇	◇	1
Dyes, Abrasive	3	X	1	X	X	4	X	4	X	X	◇	◇	X
Dyes, Water Based	2	X	1	X	X	X	X	X	X	X	◇	◇	X
Elco 28 EP Lubricant	3	4	1	1	1	1	1	1	2	X	◇	◇	1
Enamel	1	X	X	X	X	1	X	1	X	X	◇	◇	X
Epichlorohydrin	4	2	4	4	4	4	2	4	4	1	◇	◇	4
Epoxy Resins	1	1	4	X	3	X	1	X	X	X	◇	◇	2
Esam-6 Fluid	2	1	4	4	4	4	1	X	X	X	◇	◇	4
Esso Fuel 208	2	4	1	1	1	1	1	4	4	X	◇	◇	1
Esso Golden Gasoline	4	4	1	1	2	2	1	4	4	X	◇	◇	3
Esso Motor Oil	3	4	1	1	1	1	1	4	4	X	◇	◇	1
Esso Transmission Fluid Type A	2	4	1	1	1	1	1	3	4	X	◇	◇	1
Esso WS2812 (MIL-L7808A)	4	4	1	1	1	1	1	4	4	1	◇	◇	1
Esso XP90-EP Lubricant	2	4	1	1	1	1	1	1	4	X	◇	◇	1
Esstic 42, 43	2	4	1	4	1	1	1	2	4	X	◇	◇	1
ETBE (Ethyl tert-Butyl Ether)	3	3	1	X	3	3	1	X	X	X	◇	◇	2
Ethane	4	4	1	2	1	1	1	3	4	1	◇	◇	1
Ethanethiol	4	3	2	2	X	4	1	X	3	1	◇	◇	X
Ethanol	2	1	X	1	1	1	X	X	2	X	◇	◇	X
Ethanolamine (MEA)	2	2	4	4	2	2	1	3	2	1	◇	◇	1
Ether	4	4	4	3	4	4	1	4	4	1	◇	◇	4
Ethyl Acetate	4	2	4	4	4	4	1	4	2	1	◇	◇	4
Ethyl Acetic Acid	3	3	3	X	X	3	X	X	X	1	◇	◇	X
Ethyl Acetoacetate	4	2	4	4	4	4	1	4	2	1	◇	◇	4
Ethyl Acetylene	X	X	X	X	X	X	X	X	X	1	◇	◇	X
Ethyl Acrylate	4	2	4	4	4	4	1	4	2	1	◇	◇	3

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Ethyl Acrylic Acid	2	2	4	4	X	4	1	4	4	X	◇	◇	X
Ethyl Alcohol (Ethanol)	2	1	2	1	1	1	1	4	2	1	◇	◇	1
Ethyl Aldehyde	3	1	4	X	X	4	X	3	1	1	◇	◇	X
Ethyl Amine	4	1	4	4	3	4	1	X	3	1	◇	◇	X
Ethyl Benzene	4	4	1	1	4	4	1	4	4	1	◇	◇	3
Ethyl Benzoate	4	4	1	1	4	4	1	4	4	1	◇	◇	3
Ethyl Bromide	4	4	1	1	2	2	1	4	4	1	◇	◇	1
Ethyl Butanol	X	X	2	X	X	1	X	X	X	1	◇	◇	X
Ethyl Butyl Acetate	X	X	4	X	X	4	X	X	X	1	◇	◇	X
Ethyl Butyl Alcohol	1	X	2	X	X	X	X	X	X	1	◇	◇	X
Ethyl Butyl Amine	X	X	X	X	X	2	X	X	X	1	◇	◇	X
Ethyl Butyl Ketone	X	X	X	X	X	X	X	X	X	1	◇	◇	X
Ethyl Butyrate	4	4	1	X	X	X	1	X	X	1	◇	◇	X
Ethyl Cellosolve	4	2	4	X	4	2	X	4	4	X	◇	◇	X
Ethyl Cellulose	2	2	4	4	2	2	1	2	3	1	◇	◇	1
Ethyl Chloride	4	3	1	1	1	1	1	3	4	1	◇	◇	2
Ethyl Chlorocarbonate	4	4	1	2	4	4	1	4	4	1	◇	◇	2
Ethyl Chloroformate	4	4	X	2	4	4	1	4	4	X	◇	◇	X
Ethyl Cyanide	3	4	4	X	4	4	1	X	X	1	◇	◇	1
Ethyl Diacetate	4	X	X	X	X	4	X	X	X	1	◇	◇	X
Ethyl Dichloride	4	3	2	1	X	4	1	4	3	1	◇	◇	X
Ethyl Ether	4	4	4	3	3	4	1	3	4	X	◇	◇	4
Ethyl Formate	2	2	1	1	4	4	2	X	X	X	◇	◇	1
Ethyl Formic Ester	2	2	3	X	X	4	X	X	X	1	◇	◇	X
Ethyl Hexanol	1	1	1	1	1	1	1	4	2	X	◇	◇	X
Ethyl Hexyl Acetate	X	X	4	X	X	4	X	X	X	1	◇	◇	X
Ethyl Hexyl Alcohol	1	1	1	1	X	1	X	4	2	X	◇	◇	X
Ethyl Hydrate	1	1	2	X	X	1	X	4	1	1	◇	◇	X
Ethyl Hydroxide	2	X	X	X	X	2	X	X	X	1	◇	◇	X
Ethyl Iodide	4	3	2	X	X	4	X	X	X	1	◇	◇	X
Ethyl Lactate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Ethyl Mercaptan	4	X	2	X	4	1	1	1	3	X	◇	◇	X
Ethyl Nitrite	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Ethyl Orthosilicate	1	1	1	X	X	1	X	X	X	1	◇	◇	X
Ethyl Oxalate	4	1	1	2	4	1	1	1	4	X	◇	◇	X

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Ethyl Oxide	4	4	4	X	X	2	X	3	3	1	◇	◇	X
Ethyl Pentachlorobenzene	4	4	1	2	4	1	1	4	4	X	◇	◇	X
Ethyl Phthalate	X	X	3	X	X	1	X	X	X	1	◇	◇	X
Ethyl Propionate	4	4	X	X	X	4	X	X	X	1	◇	◇	X
Ethyl Pyridene	4	1	4	4	X	4	1	4	4	X	◇	◇	X
Ethyl Silicate	2	1	1	1	1	1	1	X	4	X	◇	◇	X
Ethyl Stearate	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Ethyl Sulfate	1	1	X	3	X	1	X	4	1	X	◇	◇	1
Ethyl Vaterate	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Ethylamine	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Ethylcyclopentane	3	4	1	1	1	1	1	1	4	X	◇	◇	2
Ethylene	3	2	1	1	2	1	1	2	X	1	◇	◇	1
Ethylene Alcohol	1	1	1	X	X	1	X	2	1	1	◇	◇	X
Ethylene Bromide	4	2	1	X	X	4	X	4	X	1	◇	◇	X
Ethylene Chloride	4	4	2	2	4	4	1	4	4	1	◇	◇	1
Ethylene Chlorohydrin	2	2	1	2	4	4	1	4	3	1	◇	◇	1
Ethylene Cyanohydrin	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Ethylene Diamine	1	1	4	4	1	2	2	4	1	X	◇	◇	2
Ethylene Dibromide	4	3	1	3	4	4	1	4	4	1	◇	◇	X
Ethylene Dichloride	4	4	1	4	4	4	1	4	4	1	◇	◇	2
Ethylene Glycol	1	1	1	1	1	1	1	2	1	1	◇	◇	1
Ethylene Glycol Butyl Ether	3	2	4	4	1	3	1	4	4	1	◇	◇	3
Ethylene Hydrochloride	4	3	1	3	4	4	1	4	4	X	◇	◇	X
Ethylene Oxide	4	4	4	4	4	4	1	4	4	1	◇	◇	4
Ethylene Trichloride	4	X	1	3	4	4	1	4	X	1	◇	◇	4
F-60 Fluid	1	1	1	1	1	1	1	1	4	X	◇	◇	1
F-61 Fluid	1	1	1	1	1	1	1	1	4	X	◇	◇	1
Fatty Acids	4	3	1	1	2	1	1	2	3	1	◇	◇	1
FC-43 Heptacosofluorotributylamine	1	1	1	1	1	1	4	X	1	X	◇	◇	3
FC75 & FC77 (Fluorocarbon)	1	1	2	2	1	1	4	X	1	X	◇	◇	3
Ferric Acetate	X	X	4	X	3	4	1	X	4	1	◇	◇	X
Ferric Ammonium Sulfate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Ferric Chloride	2	1	1	1	1	1	1	1	2	X	◇	◇	1
Ferric Hydroxide	2	1	1	X	3	1	1	X	X	1	◇	◇	X
Ferric Nitrate	2	1	1	1	1	1	1	1	3	1	◇	◇	1

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Ferric Persulfate	2	X	X	X	1	1	X	X	X	X	◇	◇	1
Ferric Sulfate	2	1	1	1	1	1	1	2	3	X	◇	◇	1
Ferrous Ammonium Citrate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Ferrous Ammonium Sulfate	1	X	2	X	3	X	1	X	X	1	◇	◇	X
Ferrous Carbonate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Ferrous Chloride	2	1	1	X	1	1	1	2	3	1	◇	◇	X
Ferrous Hydroxide	1	1	1	X	X	1	X	X	X	1	◇	◇	X
Ferrous Nitrate	1	1	1	X	X	1	X	X	X	1	◇	◇	X
Ferrous Salts	1	1	1	X	X	2	1	2	X	1	◇	◇	X
Ferrous Sulfate	2	1	1	1	3	1	1	1	3	1	◇	◇	1
Ferrous Sulfide	X	X	1	X	X	1	X	X	X	1	◇	◇	1
Fertilizer Salts, Aqueous	1	1	1	X	X	1	X	X	X	X	◇	◇	X
Fish Oil	2	4	1	1	2	1	1	2	1	1	◇	◇	X
Fluorine	4	X	2	4	4	4	1	4	4	X	◇	◇	X
Fluorine, Gas	4	1	1	X	X	4	2	4	4	X	◇	◇	X
Fluorine, Liquid	X	3	2	X	4	4	2	X	X	X	◇	◇	X
Fluorobenzene	4	4	1	2	2	4	1	4	4	1	◇	◇	X
Fluoroboric Acid	X	1	X	X	X	1	1	X	X	X	◇	◇	X
Fluorocarbon Oils	2	X	X	X	X	X	2	X	X	X	◇	◇	X
Fluorolube	1	1	2	2	1	1	1	X	1	1	◇	◇	2
Fluorosilicic Acid	2	2	1	4	1	1	1	X	1	1	◇	◇	1
Formaldehyde	4	1	4	4	3	3	2	4	2	1	◇	◇	4
Formamide	1	1	3	X	3	3	1	X	X	X	◇	◇	2
Formic Acid 88%	2	1	4	3	2	2	2	3	2	1	◇	◇	3
Freon 11	4	4	2	2	2	2	2	X	4	1	◇	◇	4
Freon 112	2	4	2	X	2	2	2	2	4	1	◇	◇	4
Freon 113	4	4	3	4	1	1	2	2	4	1	◇	◇	4
Freon 113 & High & Low Aniline Oil	1	X	X	X	X	1	X	X	4	X	◇	◇	4
Freon 114	1	4	2	2	1	1	2	1	4	1	◇	◇	4
Freon 114B2	1	4	2	X	2	2	X	X	4	1	◇	◇	4
Freon 115	1	1	2	X	X	1	2	X	4	1	◇	◇	4
Freon 116	1	1	X	X	1	1	X	X	X	X	◇	◇	X
Freon 12	3	3	3	4	1	2	2	1	4	1	◇	◇	4
Freon 12 & ASTM Oil No. 2 (50/50)	2	4	2	2	1	1	X	4	4	X	◇	◇	X
Freon 12 & Sunisco 4G	2	4	X	2	2	1	X	4	4	X	◇	◇	X

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Freon 13	1	1	1	4	1	1	X	3	4	1	◇	◇	4
Freon 13B1	1	1	1	2	1	1	X	1	4	1	◇	◇	4
Freon 14	1	1	1	X	1	1	X	1	4	1	◇	◇	X
Freon 142B	1	1	4	X	2	1	2	X	X	1	◇	◇	4
Freon 152A	1	1	4	X	X	1	2	X	X	1	◇	◇	4
Freon 21	4	4	4	X	4	4	1	X	4	1	◇	◇	4
Freon 218	1	1	2	X	X	1	2	X	X	1	◇	◇	X
Freon 22	1	1	4	4	4	4	2	4	4	1	◇	◇	4
Freon 22 & ASTM Oil No. 2 (50/50)	2	4	2	2	4	4	X	X	4	X	◇	◇	X
Freon 31	1	1	4	X	X	4	2	X	4	1	◇	◇	4
Freon 32	1	1	4	X	1	1	2	X	X	1	◇	◇	4
Freon 502	1	1	4	X	2	2	2	X	X	X	◇	◇	4
Freon BF	2	4	2	X	2	2	2	2	4	1	◇	◇	4
Freon C316	1	1	2	X	X	1	1	X	X	1	◇	◇	X
Freon C318	1	1	2	X	1	1	2	X	X	1	◇	◇	4
Freon MF	4	4	3	2	2	2	2	4	4	1	◇	◇	4
Freon T-P35	1	1	2	X	X	1	2	1	1	1	◇	◇	X
Freon T-WD602	2	2	2	X	X	2	2	1	4	1	◇	◇	X
Freon TA	1	1	4	X	X	1	2	1	1	1	◇	◇	X
Freon TC	1	2	2	X	X	1	2	1	4	1	◇	◇	X
Freon TF	4	4	2	4	1	1	2	2	4	1	◇	◇	4
Freon TMC	2	2	2	X	X	2	2	2	3	1	◇	◇	X
Fuel Oil	4	4	1	1	2	1	1	2	4	1	◇	◇	1
Fumaric Acid	2	2	1	1	1	1	1	X	2	X	◇	◇	1
Fuming Sulfuric Acid	4	4	X	X	2	4	X	4	4	X	◇	◇	X
Furaldehyde	4	2	4	4	4	4	1	X	X	1	◇	◇	4
Furan	4	4	4	X	4	4	1	4	4	1	◇	◇	4
Furfural	4	2	4	4	4	4	1	3	4	1	◇	◇	4
Furfuraldehyde	4	2	4	4	4	4	2	4	4	1	◇	◇	4
Furfuryl Alcohol	4	2	1	4	4	4	1	4	4	1	◇	◇	2
Furl Carbinol	4	2	4	4	4	4	1	4	4	X	◇	◇	2
Fyrquel 90 100 150	4	1	1	3	4	4	1	4	1	2	◇	◇	1
Fyrquel A60	4	2	1	3	4	4	1	4	3	X	◇	◇	2
Gallic Acid	2	2	1	1	2	2	1	4	X	1	◇	◇	1
Gasoline Premium Unleaded	3	4	1	1	1	2	1	2	4	X	◇	◇	2

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Gear Oil	X	X	1	X	X	1	X	X	1	X	◇	◇	1
Gelatin	2	1	1	1	1	1	1	4	1	X	◇	◇	X
Generator Gas	2	3	1	X	X	1	X	1	2	1	◇	◇	X
Girling Brake Fluid	2	1	3	4	3	3	X	X	X	X	◇	◇	X
Glauber's Salt	2	2	1	1	4	1	1	1	1	1	◇	◇	1
Gluconic Acid	X	X	3	X	3	3	1	X	X	1	◇	◇	X
Glucose	2	1	1	1	1	1	1	4	1	1	◇	◇	1
Glue	1	1	1	1	X	1	1	1	1	1	◇	◇	1
Glutamic Acid	X	X	3	X	3	X	1	X	X	X	◇	◇	X
Glycerol (Glycerine)	1	1	1	1	1	1	1	4	1	1	◇	◇	1
Glycerol Dichlorohydrin	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Glycerol Monochlorohydrin	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Glycerol Triacetate	1	1	X	X	3	1	X	4	X	X	◇	◇	X
Glycerophosphoric Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Glyceryl Phosphate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Glycidol	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Glycol Ethyl Ether	4	2	4	1	X	2	X	X	X	1	◇	◇	1
Glycolic Acid	4	1	X	X	3	X	X	4	X	X	◇	◇	X
Glycols	2	1	1	1	1	1	1	X	1	X	◇	◇	1
Grain Alcohol	1	1	2	X	X	1	X	4	1	1	◇	◇	X
Grease (Machine Oil No. 120)	3	4	1	1	X	1	X	X	4	X	◇	◇	X
Grease, Petroleum Base	4	4	1	1	1	1	X	1	4	1	◇	◇	2
Green Sulfate Liquor	2	1	1	2	2	2	2	1	1	X	◇	◇	1
Gulf Endurance Oils	2	4	1	1	1	1	1	1	4	X	◇	◇	1
Gulf FR Fluids	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Gulf FR G Fluids	1	1	X	1	1	1	X	2	1	X	◇	◇	X
Gulf FR P Fluids	4	2	X	2	4	4	X	4	1	X	◇	◇	X
Gulf Harmony Oils	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Gulf High Temperature Grease	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Gulf Legion Oils	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Gulf Paramount Oils	2	4	X	1	1	1	X	2	4	X	◇	◇	X
Gulf Security Oils	2	4	X	1	1	1	X	2	4	X	◇	◇	X
Gulfcrown Grease	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Halite	1	1	1	X	X	1	X	4	1	1	◇	◇	X
Halothane (Bromochlorotrifluoroethane)	4	4	1	2	4	4	2	4	4	X	◇	◇	1

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Halowax Oil	4	4	1	1	4	4	2	X	4	1	◇	◇	1
Hannifin Lube A	1	4	X	1	1	1	X	1	2	X	◇	◇	X
Hanover (MIL-H-83282)	2	4	1	1	X	1	X	2	4	X	◇	◇	X
Heavy Water	2	1	2	1	1	1	1	4	1	X	◇	◇	1
Hecroflex 600	X	X	1	X	X	X	X	X	X	X	◇	◇	X
HEF-2	4	4	1	2	2	2	1	4	4	X	◇	◇	1
HEF-3	1	4	1	2	X	2	X	4	4	X	◇	◇	X
Hellum	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Heptachlor	X	X	2	X	2	3	1	4	X	1	◇	◇	3
Heptachlorobutene	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Heptaldehyde (Heptanal)	X	X	4	X	1	1	1	X	X	X	◇	◇	X
n-Heptane	4	4	1	3	1	1	1	2	4	1	◇	◇	X
Heptanoic Acid	X	X	1	X	1	X	1	X	X	X	◇	◇	X
Hexachloro Acetone	4	1	4	4	3	4	1	4	4	X	◇	◇	4
Hexachlorobutadiene	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Hexachlorobutene	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Hexachloroethane	X	X	2	X	2	X	1	X	X	X	◇	◇	X
Hexafluoroethane (F-116)	X	1	2	1	X	X	2	X	X	X	◇	◇	X
n-Hexaldehyde	1	1	4	4	X	4	1	2	2	4	◇	◇	4
Hexamethylene (Cyclohexane)	4	4	X	X	1	2	X	2	4	X	◇	◇	X
Hexamethylene Diamine	1	1	3	1	3	3	2	4	2	X	◇	◇	X
Hexamethylene Tetramine	1	1	3	1	3	3	2	4	2	X	◇	◇	X
n-Hexahe	1	4	1	1	1	1	1	2	4	1	◇	◇	3
Hexane	4	4	1	1	1	1	1	2	4	1	◇	◇	3
Hexene-1/n-Hexene-1	2	4	1	1	2	2	1	2	4	X	◇	◇	3
Hexone (Methyl Isobutyl Ketone)	4	2	X	4	3	4	X	4	X	X	◇	◇	X
Hexyl Acetate	X	X	4	X	1	X	1	X	X	X	◇	◇	X
Hexyl Alcohol	2	3	1	2	1	2	1	4	2	1	◇	◇	1
Hexyl Hydride	2	X	1	X	X	1	X	2	X	1	◇	◇	X
Hexyl Methyl Ketone	X	X	4	X	X	4	X	X	X	1	◇	◇	X
Hexylene Glycol	1	3	1	X	1	1	1	X	X	1	◇	◇	X
Hexylresorcinol	X	X	2	X	3	X	1	X	X	X	◇	◇	X
High Viscosity Lubricant H2	2	1	1	2	1	1	1	4	1	1	◇	◇	1
High Viscosity Lubricant U4	2	1	1	2	1	1	1	4	1	1	◇	◇	1
Home Heating Oil	3	4	2	X	X	1	X	2	2	X	◇	◇	X

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Honey	1	1	1	X	X	1	X	3	X	1	◇	◇	X
Houghto-Safe 1010	4	1	1	2	4	4	X	4	3	X	◇	◇	X
Houghto-Safe 1055	4	1	1	2	4	4	X	4	3	X	◇	◇	X
Houghto-Safe 1120	4	1	X	2	4	4	X	4	3	X	◇	◇	X
Houghto-Safe 271 (Water/Glycol Base)	2	1	X	2	1	1	X	4	2	X	◇	◇	X
Houghto-Safe 416 & 500 Series	X	1	X	X	1	1	X	X	X	X	◇	◇	X
Houghto-Safe 5040 (Water/Oil Emulsion)	2	4	X	2	1	1	X	4	3	X	◇	◇	X
Houghto-Safe 620 (Water/Glycol)	2	1	1	2	1	1	X	4	2	X	◇	◇	X
Houghton Vital 29 FM	X	X	1	X	X	X	X	X	X	X	◇	◇	X
Hydraulic Oils (Petroleum Base)	2	4	1	1	1	1	1	1	3	2	◇	◇	1
Hydraulic Oils (Synthetic Base)	X	X	3	X	2	X	1	X	X	X	◇	◇	X
Hydrazine	2	1	4	4	2	2	2	4	3	1	◇	◇	2
Hydrazine Dihydrochloride	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Hydrazine Hydrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Hydrazine, Anhydrous	1	2	2	4	4	4	1	4	X	X	◇	◇	2
Hydriodic Acid	1	1	1	X	2	X	1	X	X	X	◇	◇	X
Hydro-Drive MIH-10, Petro Base	4	4	1	1	1	1	1	2	2	X	◇	◇	X
Hydro-Drive MIH-50, Petro Base	4	4	1	1	1	1	1	2	2	X	◇	◇	X
Hydrobromic Acid	3	1	1	3	4	4	1	4	4	1	◇	◇	1
Hydrobromic Acid 40%	2	1	1	3	4	4	1	4	4	X	◇	◇	1
Hydrocarbons, Saturated	X	4	X	1	1	1	X	2	4	X	◇	◇	X
Hydrochloric Acid (cold) 37%	2	1	X	2	X	3	1	4	3	X	◇	◇	1
Hydrochloric Acid (hot) 37%	4	3	1	2	4	4	1	4	3	1	◇	◇	1
Hydrochloric Acid, 3 Molar to 158°F	4	1	X	3	2	X	X	4	4	X	◇	◇	X
Hydrochloric Acid, Conc. Room Temperature	X	2	1	3	2	2	1	X	4	X	◇	◇	X
Hydrocyanic Acid	2	1	1	2	2	2	1	X	3	1	◇	◇	1
Hydrofluoric Acid (Anhydrous)	X	3	1	4	X	4	1	X	4	X	◇	◇	X
Hydrofluoric Acid 49%	3	4	4	4	X	4	1	4	4	1	◇	◇	1
Hydrofluosilicic Acid	2	1	1	4	1	2	1	X	4	1	◇	◇	1
Hydrogen	1	1	1	3	X	1	1	2	3	2	◇	◇	1
Hydrogen Bromide (Anhydrous)	4	1	X	4	X	X	1	4	4	X	◇	◇	X
Hydrogen Chloride, Gas	2	1	X	X	X	X	X	X	4	X	◇	◇	1
Hydrogen Cyanide	2	1	2	2	2	2	X	X	3	X	◇	◇	X
Hydrogen Fluoride	4	2	4	4	4	4	2	4	4	X	◇	◇	X
Hydrogen Gas, Cold	X	X	X	X	1	X	X	X	X	X	◇	◇	X



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Hydrogen Gas, Hot	X	X	X	X	1	X	X	X	X	X	◇	◇	X
Hydrogen Peroxide	4	3	X	2	2	4	1	X	4	X	◇	◇	X
Hydrogen Peroxide 36%	4	1	1	2	4	2	1	4	4	1	◇	◇	1
Hydrogen Sulfide, Dry Cold	1	1	4	3	1	1	1	1	1	X	◇	◇	1
Hydrogen Sulfide, Dry Hot	2	2	4	3	4	2	1	X	4	X	◇	◇	1
Hydrogen Sulfide, Wet Cold	2	1	4	3	4	1	1	X	4	X	◇	◇	1
Hydrogen Sulfide, Wet Hot	4	2	4	3	4	4	1	X	4	X	◇	◇	1
Hydrolube	2	1	1	2	1	1	1	4	1	2	◇	◇	1
Hydrolube, Water/Ethylene Glycol	2	1	X	2	1	1	X	4	1	X	◇	◇	X
Hydroxycitronellel	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Hydroquinol	4	X	X	X	4	X	X	X	X	X	◇	◇	X
Hydroquinone	4	4	2	2	4	3	2	X	4	1	◇	◇	3
Hydroxyacetic Acid	2	1	3	3	3	X	1	X	X	1	◇	◇	2
Hydyne (UHDT)	2	1	4	4	2	2	2	X	2	X	◇	◇	X
Hyjet	4	1	4	4	4	4	1	4	4	X	◇	◇	2
Hyjet IV, IVA	4	1	4	4	4	4	4	4	4	X	◇	◇	X
Hyjet S4	X	1	4	X	X	4	1	X	4	X	◇	◇	2
Hyjet W	4	1	4	4	4	4	1	4	4	X	◇	◇	2
Hypochlorous Acid	4	2	1	1	4	4	1	4	4	1	◇	◇	X
Indole	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Industron FF44, 48, 53, 80	2	4	1	1	1	1	1	2	4	X	◇	◇	1
Insulin	1	1	3	1	3	3	1	4	1	X	◇	◇	X
Iodic Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Iodine	4	2	1	1	1	2	1	4	2	2	◇	◇	1
Iodine Pentafluoride	4	4	4	4	4	4	1	4	4	1	◇	◇	4
Idodform	4	X	3	X	X	X	1	X	X	X	◇	◇	X
Iron Acetate	X	X	4	X	X	4	X	X	X	1	◇	◇	X
Iron Chloride	2	1	1	1	X	1	X	1	1	1	◇	◇	X
Iron Nitrate	1	1	1	1	X	1	X	1	1	1	◇	◇	X
Iron Sulfate	1	1	1	1	X	1	X	2	1	1	◇	◇	X
Iron Sulfide	X	X	1	X	X	1	X	X	X	1	◇	◇	X
Isoamyl Acetate	4	2	4	X	3	4	1	4	X	1	◇	◇	X
Isoamyl Butyrate	X	X	4	X	3	4	1	X	X	1	◇	◇	X
Isoamyl Chloride	4	4	1	X	X	4	X	X	X	1	◇	◇	X
Isoamyl Ether	4	4	X	X	X	3	X	X		1	◇	◇	X



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Isoamyl Valerate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Isobutane	4	4	1	1	1	1	1	1	4	1	◇	◇	X
Isobutyl Acetate	4	3	4	X	3	4	1	X	X	1	◇	◇	X
Isobutyl Alcohol	1	1	1	2	2	2	1	4	1	1	◇	◇	1
Isobutyl Aldehyde	3	2	4	X	X	4	X	3	3	1	◇	◇	4
Isobutyl Chloride	X	4	2	X	4	4	1	X	X	1	◇	◇	4
Isobutyl Ether	X	4	4	X	2	2	1	X	X	1	◇	◇	4
Isobutyl Methyl Ketone	4	1	4	4	3	4	X	4	4	X	◇	◇	X
Isobutyraldehyde	4	1	4	4	2	4	2	4	4	X	◇	◇	4
Isobutyric Acid	2	2	3	X	2	4	1	X	X	1	◇	◇	3
Isocrotyl Chloride	4	X	X	2	X	X	1	3	X	X	◇	◇	X
Isodecanol	X	X	2	X	1	X	1	X	X	X	◇	◇	X
Isododecane	2	4	1	1	1	1	1	2	4	X	◇	◇	1
Isoeugenol	X	X	2	X	1	X	1	X	X	X	◇	◇	X
Isooctane	2	4	1	1	1	1	1	2	4	1	◇	◇	3
Isopentane	4	4	1	1	1	1	1	2	4	1	◇	◇	X
Isophorone	4	1	4	4	4	4	1	4	4	1	◇	◇	2
Isopropanol	3	1	X	2	2	1	X	4	1	X	◇	◇	X
Isopropyl Acetate	4	2	4	4	4	4	1	4	4	1	◇	◇	4
Isopropyl Acetone	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Isopropyl Alcohol	3	1	1	2	2	1	1	4	1	1	◇	◇	1
Isopropyl Amine	X	X	4	X	3	4	1	X	X	1	◇	◇	X
Isopropyl Chloride	4	4	1	2	4	4	1	4	4	1	◇	◇	4
Isopropyl Ether	4	4	4	3	2	2	1	2	4	1	◇	◇	4
Jet Fuel A	4	4	1	2	1	1	X	3	X	X	◇	◇	X
JP-3 (MIL-J-5624)	4	4	1	2	1	1	1	3	4	1	◇	◇	2
JP-4 (MIL-J-5624)	4	4	1	2	1	1	1	3	4	1	◇	◇	2
JP-5 (MIL-J-5624)	4	4	1	2	1	1	1	2	4	1	◇	◇	2
JP-6 (MIL-J-25656)	4	4	1	2	1	1	1	3	4	X	◇	◇	2
JP-8 (MIL-T-83133)	1	4	1	2	1	1	1	1	4	X	◇	◇	2
JP-9 (MIL-F-81912)	4	4	1	2	3	3	1	3	4	X	◇	◇	X
KEL-F Liquids	3	1	3	2	1	1	3	X	1	X	◇	◇	3
Kerosene	4	4	1	1	1	1	1	2	4	1	◇	◇	2
Keystone #87HX Grease	4	4	X	1	1	1	X	1	4	X	◇	◇	X
Lacquer Solvents	4	4	4	4	4	4	1	4	4	1	◇	◇	4

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Lacquers	4	4	4	4	4	4	1	4	4	1	◇	◇	4
Lactams (Amino Acids)	2	2	2	4	4	4	1	X	X	X	◇	◇	3
Lactic Acid, Cold	1	1	1	1	1	1	1	4	1	X	◇	◇	1
Lactic Acid, Hot	4	4	1	2	4	4	1	4	2	X	◇	◇	1
Lactones (Cyclic Esters)	4	2	4	4	4	4	4	4	2	X	◇	◇	X
Lard (Animal Fat)	2	2	1	1	1	1	1	1	2	1	◇	◇	1
Lauric Acid	1	3	1	X	1	4	1	X	X	X	◇	◇	X
Lavender Oil	4	4	1	2	2	2	1	4	4	1	◇	◇	1
Lead Acetate	2	1	4	4	2	2	1	4	4	1	◇	◇	4
Lead Arsenate	2	X	X	X	3	2	1	2	X	X	◇	◇	X
Lead Bromide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Lead Carbonate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Lead Chloride	2	1	1	X	3	1	1	X	X	1	◇	◇	X
Lead Chromate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Lead Dioxide	X	X	2	X	3	X	1	X	X	X	◇	◇	X
Lead Linoleate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Lead Nitrate	2	1	1	1	1	1	1	X	2	1	◇	◇	2
Lead Oxide Red	1	1	2	X	3	1	1	X	X	X	◇	◇	1
Lead Sulfamate	2	1	X	1	2	2	1	X	2	X	◇	◇	X
Lehigh X1169	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Lehigh X1170	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Light Grease	4	4	X	1	1	1	X	1	4	X	◇	◇	1
Ligroin	4	4	1	1	1	1	1	3	4	1	◇	◇	2
Lime Bleach	2	1	1	1	1	1	1	X	2	1	◇	◇	1
Lime-Sulfur Solution	1	1	1	1	1	4	1	X	1	X	◇	◇	1
Lindol (Hydraulic Fluid)	4	1	1	3	1	4	1	4	3	1	◇	◇	1
Linoleic Acid	4	4	2	X	2	2	1	2	2	1	◇	◇	1
Linseed Oil	1	3	1	1	1	1	1	2	1	1	◇	◇	1
Liquid Oxygen	4	4	4	4	4	4	2	4	4	1	◇	◇	4
Liquified Petroleum Gas (LPG)	3	4	1	3	1	1	1	3	4	1	◇	◇	2
Liquimoly	2	4	X	1	1	1	X	2	4	X	◇	◇	X
Liquor	X	1	1	X	X	1	1	X	X	X	◇	◇	1
Lithium Bromide, Brine	4	1	2	1	3	1	1	4	1	1	◇	◇	1
Lithium Carbonate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Lithium Chloride	1	1	1	1	3	1	1	4	1	1	◇	◇	X



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Lithium Citrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Lithium Hydroxide	4	1	3	4	3	2	1	4	4	1	◇	◇	1
Lithium Hypochlorite	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Lithium Nitrite	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Lithopone	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Lubricating Oils, Diester	3	4	2	2	2	2	1	4	4	X	◇	◇	2
Lubricating Oils, Petroleum	2	4	1	1	4	1	1	2	4	1	◇	◇	1
Lubricating Oils, SAE 10, 20, 30, 40, 50	4	4	X	1	4	1	X	1	X	X	◇	◇	X
Lye	1	1	2	2	2	2	1	2	2	1	◇	◇	1
Machine Oil	4	4	1	X	X	1	X	1	X	1	◇	◇	X
Magnesium Acetate	4	1	4	4	X	4	X	4	4	1	◇	◇	X
Magnesium Bisulfite	2	X	X	X	X	2	X	X	X	1	◇	◇	X
Magnesium Chloride	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Magnesium Hydroxide	2	1	1	X	2	2	1	4	2	1	◇	◇	1
Magnesium Salts	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Magnesium Sulfate (Epsom Salts)	2	1	1	1	X	1	1	X	1	1	◇	◇	1
Magnesium Sulfite	1	1	2	1	1	1	1	X	1	X	◇	◇	1
Malthion	X	4	2	2	X	2	1	4	4	X	◇	◇	X
Maleic Acid	4	4	1	1	4	3	1	X	4	1	◇	◇	1
Maleic Anhydride	4	4	4	X	4	4	1	X	X	X	◇	◇	1
Maleic Hydrazide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Malic Acid	2	4	1	1	1	1	1	X	2	X	◇	◇	1
Mandelic Acid	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Manganese Acetate	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Manganese Carbonate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Manganese Chloride	2	3	2	1	3	1	X	2	3	X	◇	◇	X
Manganese Dioxide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Manganese Gluconate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Manganese Hypophosphite	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Manganese Linoleate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Manganese Phosphate	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Manganese Sulfate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Manganous Chloride	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Manganous Phosphate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Manganous Sulfate	X	X	X	X	3	X	1	X	X	X	◇	◇	X

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Mannitol	X	X	X	X	3	X	1	X	X	X	◇	◇	X
MCS 312	4	4	X	1	4	4	X	X	1	X	◇	◇	X
MCS 352	4	1	X	3	4	4	X	4	3	X	◇	◇	X
MCS 463	4	1	X	3	4	4	X	4	3	X	◇	◇	X
Mercaptan	4	1	3	X	1	4	X	4	X	X	◇	◇	X
Mercaptobenzothiazole (MBT)	X	1	1	X	X	3	1	X	X	X	◇	◇	1
Mercuric Acetate	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Mercuric Chloride	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Mercuric Cyanide	2	1	2	X	3	1	1	X	X	1	◇	◇	X
Mercuric Iodide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Mercuric Nitrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Mercuric Sulfate	2	1	2	X	3	1	1	X	2	1	◇	◇	X
Mercuric Sulfite	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Mercurous Nitrate	1	1	2	1	3	2	1	4	2	1	◇	◇	X
Mercury	1	1	1	3	1	1	1	1	1	1	◇	◇	1
Mercury Chloride	1	1	X	X	1	1	1	X	1	X	◇	◇	X
Mercury Fulminate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Mercury Salts	2	2	X	X	3	1	X	X	X	X	◇	◇	X
Mercury Vapor	4	1	1	X	1	1	1	X	X	1	◇	◇	1
Mesityl Oxide	4	2	4	4	4	X	1	4	4	1	◇	◇	4
Meta-Nitroaniline	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Metalddehyde	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Meth Acrylic Acid	X	2	3	4	3	3	1	X	4	X	◇	◇	2
Methane	2	4	1	2	1	1	1	3	4	1	◇	◇	2
Methanol (Methyl Alcohol)	4	1	4	1	1	1	1	4	1	1	◇	◇	1
Methoxychlor	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Methyl Abietate	X	X	2	X	X	X	1	X	X	X	◇	◇	X
Methyl Acetate	4	2	4	4	4	4	1	4	4	1	◇	◇	4
Methyl Acetoacetate	4	2	4	4	4	4	1	4	2	1	◇	◇	4
Methyl Acetophenone	X	X	4	X	X	X	1	X	X	X	◇	◇	X
Methyl Acrylate	4	2	4	4	4	4	1	4	4	1	◇	◇	4
Methyl Alcohol (Methanol)	4	1	4	1	1	1	1	4	1	1	◇	◇	1
Methyl Amine	4	1	4	X	3	2	1	X	X	1	◇	◇	X
Methyl Amyl Alcohol	1	1	4	X	X	2	1	X	X	1	◇	◇	X
Methyl Amyl Ketone	X	X	X	X	4	4	1	X	X	X	◇	◇	X

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Methyl Aniline	1	1	2	X	X	1	X	4	X	1	◇	◇	X
Methyl Anthranilate	4	X	1	2	X	X	1	3	X	X	◇	◇	X
Methyl Benzene	4	4	2	2	4	4	1	4	4	1	◇	◇	4
Methyl Benzoate	4	4	1	1	4	4	1	4	4	X	◇	◇	2
Methyl Bichloride	X	3	2	X	X	4	X	4	X	1	◇	◇	X
Methyl Bromide	4	4	1	1	2	2	1	4	X	1	◇	◇	2
Methyl Butyl Ketone	4	1	4	4	X	4	1	4	4	1	◇	◇	4
Methyl Butyrate Cellosolve	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Methyl Butyrate Chloride	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Methyl Carbitol	X	3	X	X	X	X	X	X	X	1	◇	◇	X
Methyl Carbonate	4	4	1	2	4	4	1	4	4	X	◇	◇	2
Methyl Cellosolve	4	2	4	4	3	3	1	4	4	1	◇	◇	1
Methyl Cellulose	2	2	4	4	2	2	1	2	2	X	◇	◇	1
Methyl Chloracetate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Methyl Chloride	4	4	2	2	4	4	1	4	4	1	◇	◇	4
Methyl Chloroform	4	4	2	2	4	4	1	4	4	1	◇	◇	4
Methyl Chloroformate	4	4	2	2	4	4	1	4	4	X	◇	◇	1
Methyl Cyanide	1	1	X	X	3	3	X	X	X	X	◇	◇	X
Methyl Cyclohexanone	X	X	4	X	1	X	1	X	X	X	◇	◇	X
Methyl Cyclopentane	4	4	1	2	4	4	1	4	4	1	◇	◇	2
Methyl Dichloride	4	4	X	X	X	4	X	X	X	X	◇	◇	X
Methyl Ether	3	2	4	1	1	1	1	X	1	X	◇	◇	4
Methyl Ethyl Ketone (MEK)	4	1	4	4	4	4	1	4	4	1	◇	◇	4
Methyl Ethyl Ketone Peroxide	4	4	4	4	4	4	1	4	2	X	◇	◇	X
Methyl Formate	2	2	4	4	4	4	1	4	2	1	◇	◇	4
Methyl Hexyl Ketone	X	X	4	X	3	4	1	X	X	1	◇	◇	X
Methyl Iodide	4	1	X	X	1	4	1	X	X	X	◇	◇	X
Methyl Isobutyl Ketone (MIBK)	4	3	4	4	4	4	1	4	4	1	◇	◇	4
Methyl Isocyanate	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Methyl Isopropyl Ketone	4	2	4	4	4	4	1	4	4	X	◇	◇	X
Methyl Lactate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Methyl Mercaptan	X	1	3	X	X	X	1	X	X	1	◇	◇	X
Methyl Methacrylate	4	4	4	4	4	4	1	4	4	1	◇	◇	4
Methyl Oleate	4	2	2	2	4	4	1	X	4	1	◇	◇	1
Methyl Phenylacetate	X	X	4	X	X	X	1	X	X	X	◇	◇	X

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Methyl Salicylate	4	2	2	X	X	4	1	X	X	X	◇	◇	3
Methyl tert-Butyl Ether (MTBE)	3	3	4	X	3	3	1	X	X	X	◇	◇	2
n-Methyl-2 Pyrrolidone	X	2	2	2	X	X	1	X	2	X	◇	◇	X
Methyl-2-Pyrrolidone	X	2	2	2	X	X	1	X	2	X	◇	◇	X
Methylallyl Chloride	X	X	3	X	X	1	X	X	X	1	◇	◇	X
Methylcyclopentane	X	4	1	2	4	4	1	X	4	X	◇	◇	2
Methylene Bromide	4	4	1	1	X	2	1	X	X	X	◇	◇	X
Methylene Chloride	4	3	2	2	4	4	1	4	4	X	◇	◇	X
Methylene Chlorobromide	4	X	4	X	X	4	X	X	X	1	◇	◇	X
Methylene Dichloride	4	4	2	2	X	4	1	X	4	1	◇	◇	X
<b>Military Specifications</b>													
MIL-L-644B	3	3	X	1	X	1	1	3	3	X	◇	◇	X
MIL-L-2104	1	4	X	X	4	1	X	X	X	X	◇	◇	X
MIL-L-2104B	2	4	1	1	X	1	1	1	4	X	◇	◇	X
MIL-L-2105B	1	4	1	1	X	1	1	1	3	X	◇	◇	X
MIL-G-2108	1	4	1	1	X	1	1	1	3	X	◇	◇	X
MIL-S-3136B TYPE I	2	4	1	1	1	1	1	2	4	X	◇	◇	X
MIL-S-3136B TYPE II	4	4	1	1	1	2	1	2	4	X	◇	◇	X
MIL-S-3136B TYPE III	4	4	1	1	1	2	1	2	4	X	◇	◇	X
MIL-S-3136B TYPE IV	1	4	1	1	1	1	1	1	3	X	◇	◇	X
MIL-S-3136B TYPE V	2	4	1	1	1	1	1	2	3	X	◇	◇	X
MIL-S-3136B TYPE VI	4	4	1	1	X	1	X	2	3	X	◇	◇	X
MIL-S-3136B TYPE VII	3	4	1	1	1	1	1	3	4	X	◇	◇	X
MIL-L-3150A	2	4	1	1	X	1	1	2	4	X	◇	◇	X
MIL-G-3278	4	4	1	X	X	2	X	2	4	X	◇	◇	X
MIL-L-3503	2	4	1	1	X	1	1	2	4	X	◇	◇	X
MIL-L-3545B	2	4	1	1	X	2	1	2	4	X	◇	◇	X
MIL-L-4339C	4	4	1	1	X	1	1	4	3	X	◇	◇	X
MIL-G-4343B	2	2	1	2	2	2	1	1	3	X	◇	◇	X
MIL-L-5020A	2	4	1	1	X	1	1	2	4	X	◇	◇	X
MIL-J-5161F	4	4	1	1	X	2	1	2	4	X	◇	◇	X
MIL-C-5545A	2	4	1	1	X	2	1	3	4	X	◇	◇	X
MIL-M-5559A	2	1	2	2	X	1	1	3	2	X	◇	◇	X
MIL-F-5566	2	1	1	1	X	2	1	4	1	X	◇	◇	X
MIL-G-5572	4	4	1	X	X	1	X	2	4	X	◇	◇	X

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MIL-F-5602	2	4	1	1	X	1	1	2	3	X	◇	◇	X
MIL-O-5606	X	X	1	X	X	1	X	3	4	X	◇	◇	X
MIL-H-5606B (Red Oil)	2	2	1	1	1	1	1	2	4	X	◇	◇	X
MIL-J-5624G (JP3)	4	4	1	2	1	1	1	2	4	X	◇	◇	2
MIL-J-5624G (JP4)	4	4	1	2	1	1	1	3	4	X	◇	◇	2
MIL-J-5624G (JP5)	4	4	1	2	1	1	1	2	4	X	◇	◇	2
MIL-O-6081C	2	X	X	1	X	1	1	2	3	X	◇	◇	X
MIL-L-6082C	2	4	X	1	X	1	1	1	3	X	◇	◇	X
MIL-H-6083C	1	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-L-6085A	4	4	X	1	2	2	1	3	3	X	◇	◇	2
MIL-L-6086B	1	4	X	1	X	1	X	1	3	X	◇	◇	X
MIL-L-6087A	X	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-A-6091	1	1	1	1	X	2	1	4	1	X	◇	◇	X
MIL-L-6387A	4	4	X	1	2	1	1	2	3	X	◇	◇	X
MIL-C-6529C	2	4	X	1	X	2	1	3	4	X	◇	◇	X
MIL-F-7024A	4	4	X	1	X	1	1	2	4	X	◇	◇	X
MIL-H-7083A	2	X	X	2	X	1	1	3	2	X	◇	◇	X
MIL-G-7118A	3	4	X	1	2	1	1	3	3	X	◇	◇	X
MIL-G-7187	4	4	X	1	1	1	1	1	X	X	◇	◇	X
MIL-G-7421A	3	4	X	1	2	1	1	2	4	X	◇	◇	X
MIL-H-7644	2	2	X	X	X	X	1	3	X	X	◇	◇	X
MIL-L-7645	2	4	X	1	X	2	1	3	X	X	◇	◇	X
MIL-G-7711A	4	4	X	X	1	1	1	1	X	X	◇	◇	X
MIL-O-7808	4	4	1	1	2	1	1	4	4	X	◇	◇	1
MIL-L-7808A	4	4	1	2	2	2	1	4	4	1	◇	◇	1
MIL-L-7870A	2	4	X	1	1	1	1	4	3	X	◇	◇	X
MIL-C-8188C	4	4	X	1	2	1	1	3	3	X	◇	◇	X
MIL-A-8243B	2	1	X	2	X	X	1	3	3	X	◇	◇	X
MIL-L-8383B	1	4	X	1	X	1	1	1	3	X	◇	◇	X
MIL-H-8446B	1	4	1	1	2	2	1	4	4	X	◇	◇	1
MIL-I-8660B	1	1	1	1	X	1	1	1	4	X	◇	◇	X
MIL-L-9000F	2	4	X	1	1	1	1	3	4	X	◇	◇	X
MIL-T-9188B	4	1	X	3	X	4	X	4	4	X	◇	◇	X
MIL-L-9236B	4	3	X	1	X	1		2	4	X	◇	◇	X
MIL-E-9500	1	1	1	1	1	1		4	1	X	◇	◇	X

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MIL-L-102995A	2	X	X	1	4	1	1	2	3	X	◇	◇	X
MIL-L-10324A	2	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-G-10924B	4	4	X	1	1	1	1	2	3	X	◇	◇	X
MIL-L-11734B	3	4	X	1	X	1	1	3	3	X	◇	◇	X
MIL-O-11773	3	4	X	1	X	1	1	3	3	X	◇	◇	X
MIL-P-12098	2	1	X	X	X	2	1	3	4	X	◇	◇	X
MIL-H-13862	2	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-H-13866A	2	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-H-13910B	1	1	X	2	1	1	1	3	4	X	◇	◇	X
MIL-H-13919A	2	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-L-14107B	1	4	X	1	X	3	1	X	4	X	◇	◇	X
MIL-L-15016	2	4	1	1	1	1	X	1	4	X	◇	◇	X
MIL-L-15017	2	4	X	1	1	1	1	1	3	X	◇	◇	X
MIL-L-15018B	1	4	X	X	X	1	1	1	3	X	◇	◇	X
MIL-L-15019A	1	4	1	1	X	1	X	1	3	X	◇	◇	X
MIL-L-15719A	2	2	X	X	X	2	1	4	2	X	◇	◇	X
MIL-G-15793	2	4	X	1	1	1	1	3	3	X	◇	◇	X
MIL-F-16884	3	4	1	1	1	1	X	3	4	X	◇	◇	X
MIL-F-16929	3	4	X	1	X	1	1	3	3	X	◇	◇	X
MIL-L-16958A	2	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-F-17111	2	4	X	1	1	1	1	2	3	X	◇	◇	X
MIL-L-17331D	2	4	X	1	1	1	1	1	3	X	◇	◇	X
MIL-L-17353A	3	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-L-17672B	1	4	X	1	X	1	1	1	3	X	◇	◇	X
MIL-L-18486A	1	4	X	1	X	1	1	1	3	X	◇	◇	X
MIL-G-18709A	1	4	X	1	X	1	1	1	3	X	◇	◇	X
MIL-H-19457B	4	1	X	3	1	4	1	4	4	X	◇	◇	X
MIL-F-19605	3	4	X	1	X	1	1	3	4	X	◇	◇	X
MIL-L-19701	3	4	X	1	X	1	1	3	3	X	◇	◇	X
MIL-L-21260	2	4	X	1	1	1	1	1	3	X	◇	◇	X
MIL-S-21568A	1	1	X	2	1	1	1	X	4	X	◇	◇	X
MIL-H-22072	2	1	X	2	X	1	1	3	2	X	◇	◇	X
MIL-H-22251	2	1	1	1	2	2	X	X	4	X	◇	◇	X
MIL-L-22396A	1	4	X	1	X	1	1	1	3	X	◇	◇	X
MIL-G-23827A	3	4	X	1	X	1	1	3	3	X	◇	◇	X

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MIL-G-25013D	2	1	X	2	1	1	1	3	4	X	◇	◇	X
MIL-F-25172	3	4	X	1	X	1	1	3	4	X	◇	◇	X
MIL-L-25336B	3	4	X	1	X	1	1	3	3	X	◇	◇	X
MIL-F-25524A	3	4	1	1	X	1	X	3	4	X	◇	◇	X
MIL-G-25537A	2	4	X	1	2	1	1	2	3	X	◇	◇	X
MIL-F-25558B (RJ-1)	2	4	1	1	1	1	1	1	3	X	◇	◇	1
MIL-F-25576C (RP-1)	2	X	1	1	1	1	1	1	4	X	◇	◇	X
MIL-H-25598	2	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-F-25656B (JP-6)	4	4	X	1	1	1	1	3	4	X	◇	◇	X
MIL-L-25681C	2	1	X	2	2	1	1	3	4	X	◇	◇	X
MIL-G-25760A	2	4	X	1	2	1	1	2	4	X	◇	◇	X
MIL-L-25968	3	4	X	1	X	1	1	3	3	X	◇	◇	X
MIL-L-26087A	1	4	X	1	X	1	1	1	3	X	◇	◇	X
MIL-G-27343	1	1	X	1	X	1	1	1	4	X	◇	◇	1
MIL-P-27402	2	1	X	X	2	2	X	X	4	X	◇	◇	X
MIL-H-27601A	2	4	X	1	1	2	1	3	4	X	◇	◇	X
MIL-G-27617	X	1	X	1	X	4	1	X	4	X	◇	◇	X
NIL-I-27686D	2	1	X	2	X	1	1	3	2	X	◇	◇	X
MIL-L-27694A	1	1	X	1	X	1	1	1	4	X	◇	◇	X
MIL-L-46000A	3	4	X	1	X	1	1	3	3	X	◇	◇	X
MIL-H-46001A	1	4	X	1	X	1	1	1	3	X	◇	◇	X
MIL-46002	1	4	X	1	X	1	1	1	3	X	◇	◇	X
MIL-H-46004	2	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-P-46046A	2	1	X	2	X	2	1	3	4	X	◇	◇	X
MIL-H-81019B	2	4	X	1	X	1	1	2	3	X	◇	◇	X
MIL-S-81087	1	1	X	2	X	1	1	1	4	X	◇	◇	X
MIL-F-81912 (JP-9)	4	4	1	2	3	3	1	3	4	X	◇	◇	X
MIL-F-82522 (RJ-4)	4	4	1	1	2	2	1	1	4	X	◇	◇	X
MIL-F-82522 (JP-8)	3	4	1	2	1	1	1	1	4	X	◇	◇	2
MIL-H-83282	2	4	1	1	X	1	X	2	4	X	◇	◇	X
MIL-L-23699	3	4	X	1	X	1	1	3	3	X	◇	◇	X
MLO-7277	4	4	1	3	3	3	1	X	4	X	◇	◇	1
MLO-7557	4	4	1	3	3	3	1	3	4	X	◇	◇	1
MLO-8200	1	4	1	1	2	2	1	1	4	X	◇	◇	1
MLO-8515 (ML-H-8446)	2	4	1	1	2	2	1	1	4	X	◇	◇	1

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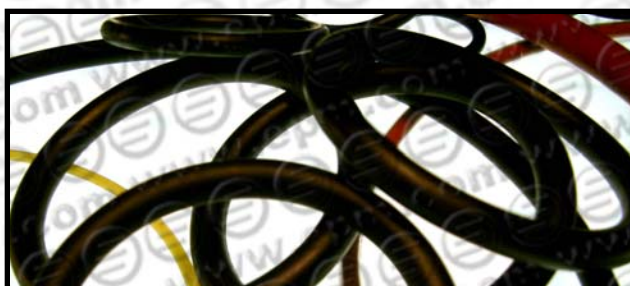
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Milk	1	1	1	1	1	1	1	2	1	1	◇	◇	1
Mineral Oil	1	4	1	1	1	1	1	1	2	1	◇	◇	1
Mixed Acids	X	4	3	4	3	4	1	X	4	X	◇	◇	3
Mobil 24DTE	2	4	X	1	1	1	X	2	4	X	◇	◇	1
Mobil 600 Series	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Mobil Delvac 1100 1110 1120	2	4	1	1	1	1	1	2	1	X	◇	◇	1
Mobil JF	2	4	1	1	1	1	1	2	4	X	◇	◇	2
Mobil Nivac 20, 30	1	1	1	1	1	1	1	X	1	X	◇	◇	1
Mobil SHC 500 Series	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Mobil Therm 600	2	4	1	1	1	1	1	2	4	X	◇	◇	1
Mobil Velocite C	2	4	X	1	1	1	X	2	4	X	◇	◇	1
Mobilgas WA200 ATF	2	4	X	1	1	1	X	1	4	X	◇	◇	1
Mobilgear 600 Series	4	3	1	1	3	3	1	2	1	X	◇	◇	X
Mobilegear SHC ISO Series	4	3	1	1	3	3	1	2	1	X	◇	◇	X
Mobilgrease HTS	4	4	1	1	2	2	1	1	2	X	◇	◇	X
Mobilgrease HP	4	4	1	1	2	2	1	1	2	X	◇	◇	X
Mobilgrease SM	4	4	1	1	2	2	1	1	2	X	◇	◇	X
Mobilith AW Series	4	4	1	1	2	2	1	1	2	X	◇	◇	X
Mobilith SHC Series	4	4	1	1	2	2	1	1	2	X	◇	◇	X
MobilJet II Lubricant	X	X	1	X	X	X	1	X	X	X	◇	◇	X
Mobilmistlube Series	4	3	1	1	3	3	1	2	1	X	◇	◇	X
Mobiloil SAE 20	2	4	X	1	1	1	X	1	4	X	◇	◇	1
Mobilux	2	4	X	1	1	1	X	2	4	X	◇	◇	1
Molybdenum Disulfide Grease	X	4	2	4	X	1	1	X	X	X	◇	◇	1
Molybdenum Oxide	1	1	3	1	3	3	1	4	2	X	◇	◇	X



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Molybdcic Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Monobromobenzene	4	4	1	2	4	4	1	4	4	X	◇	◇	X
Monobutyl Ether	3	3	4	3	X	2	X	2	4	1	◇	◇	X
Monochlorobutene	4	X	1	2	X	X	1	3	X	X	◇	◇	X
Monochloroacetic Acid	3	3	X	4	3	4	X	4	X	X	◇	◇	X
Monochloroacetone	3	1	2	4	X	4	X	4	4	1	◇	◇	4
Monochlorobenzene	4	4	2	2	4	4	1	4	4	X	◇	◇	X
Monochlorophenol	4	4	1	2	X	4	X	4	4	1	◇	◇	X
Monoethanol Amine	2	2	2	4	4	4	1	4	2	X	◇	◇	X
Monoisoproyl Amine	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Monomethyl Aniline	4	4	3	X	4	4	1	4	4	X	◇	◇	2
Monomethyl Hydrazine	2	1	4	X	2	2	2	4	4	X	◇	◇	2
Monovinyl Acetate	4	2	1	X	X	4	X	4	4	1	◇	◇	X
Monovinyl Acetylene	X	1	1	X	1	1	1	X	2	X	◇	◇	3
Mopar Brake Fluid	2	1	4	4	3	3	1	X	3	X	◇	◇	1
Morpholine	4	4	X	X	X	4	X	X	X	X	◇	◇	X
Motor Oils	2	4	X	X	1	1	X	2	X	X	◇	◇	X
Myristic Acid	X	X	1	X	X	X	1	X	X	X	◇	◇	X
Naphtha	4	4	1	2	2	1	1	3	4	1	◇	◇	2
Napthalene	4	4	1	1	4	4	1	2	4	1	◇	◇	3
Napthalene Sulfonic Acid	4	X	X	2	X	X	1	4	X	X	◇	◇	X
Napthalenic Acid	4	X	1	2	X	X	1	3	X	X	◇	◇	X
Napthalonic Acid	4	X	1	2	X	X	1	3	X	X	◇	◇	X
Napthenic Acid	4	4	X	1	2	2	1	X	4	X	◇	◇	X
Natural Gas	1	4	1	3	1	1	1	3	2	1	◇	◇	1
Neats Foot Oil	4	2	1	1	1	1	1	1	2	1	◇	◇	1
Neon	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Neville Acid	4	2	1	2	4	4	1	X	4	1	◇	◇	1
Nickel Acetate	2	1	4	4	2	2	1	4	4	1	◇	◇	4
Nickel Ammonium Sulfate	1	1	2	X	3	1	1	X	X	1	◇	◇	1
Nickel Chloride	2	1	1	1	1	1	1	3	1	1	◇	◇	1
Nickel Cyanide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Nickel Nitrate	2	1	1	X	3	1	1	X	X	1	◇	◇	X
Nickel Salts	2	1	X	1	1	1	X	X	1	X	◇	◇	X
Nickel Sulfate	2	1	1	1	1	1	1	3	1	1	◇	◇	1

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Nicotinamide (Niacinamide)	4	X	1	2	X	X	1	3	X	X	◇	◇	X
Nicotinamide Hydrochloride	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Nicotine	3	X	2	X	X	X	1	2	X	1	◇	◇	X
Nicotine Sulfate	2	X	X	X	3	1	X	1	X	X	◇	◇	X
Niter Cake	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Nitric Acid 10%	4	3	1	2	4	4	1	4	2	X	◇	◇	2
Nitric Acid 70%	4	4	2	4	X	4	1	4	4	X	◇	◇	3
Nitric Acid, Concentrated	4	4	X	3	4	4	1	4	4	X	◇	◇	2
Nitric Acid, Red Fuming	4	4	3	4	4	4	1	4	4	1	◇	◇	3
Nitric Acid, White Fuming	4	4	X	4	4	4	X	4	4	X	◇	◇	X
Nitroaniline	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Nitrobenzene	4	4	3	4	4	4	1	4	4	1	◇	◇	1
nitrobenzoic Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Nitrocellulose	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Nitrochlorobenzene	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Nitrochloroform	1	1	1	1	3	3	1	4	2	X	◇	◇	X
Nitrodiethyl Aniline	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Nitroethane	3	2	4	4	4	4	1	4	4	1	◇	◇	1
Nitrofluorobenzene	1	1	3	1	3	3	1	4	1	X	◇	◇	X
Nitrogen	2	1	1	1	1	1	1	1	1	1	◇	◇	X
Nitrogen Oxide(s)	4	3	4	4	3	4	1	X	4	1	◇	◇	X
Nitrogen Tetroxide (N2O4)	4	4	4	4	4	4	2	4	4	X	◇	◇	3
Nitroglycerine	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Nitroglycerol	1	1	3	1	3	3	1	4	2	X	◇	◇	1
Nitromethane	4	2	4	4	4	4	1	4	4	1	◇	◇	3
Nitrophenol	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Nitropropane	4	2	4	4	4	4	1	4	4	X	◇	◇	2
Nitrothiophene	X	1	3	1	3	3	1	4	2	X	◇	◇	X
Nitrotoluene	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Nitrous Acid	X	2	X	X	3	4	1	X	X	X	◇	◇	X
Nitrous Oxide	X	1	3	X	1	1	1	2	1	1	◇	◇	X
Nonane	X	X	1	X	1	X	1	X	X	X	◇	◇	X
Nyvac FR200 Mobil	4	1	1	X	1	1	1	X	X	X	◇	◇	X
Octachlorotoluene	4	4	1	2	4	4	1	4	4	1	◇	◇	3
Octadecane	2	4	1	1	1	1	1	1	4	X	◇	◇	1

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n-Octane	4	4	1	2	1	1	1	4	4	1	◇	◇	2
Octane	4	4	1	2	1	1	1	4	4	1	◇	◇	2
Octanol (n-Octanoldehyde)	2	1	4	2	2	2	1	4	2	X	◇	◇	X
n-Octyl Acetate	X	1	3	1	3	3	1	4	2	X	◇	◇	X
Octyl Acetate	X	1	3	1	3	3	1	4	2	X	◇	◇	X
Octyl Alcohol	2	2	1	2	2	2	1	4	2	X	◇	◇	1
Octyl Chloride	X	X	X	X	1	X	1	X	X	X	◇	◇	X
Octyl Phthalate	X	X	3	X	X	X	X	X	X	X	◇	◇	X
Olefins	X	X	1	X	X	X	1	X	X	X	◇	◇	X
Oleic Acid	4	4	2	1	3	1	1	2	4	1	◇	◇	1
Oleum (Fuming Sulfuric Acid)	4	4	2	4	2	4	1	4	4	1	◇	◇	1
Oleum Spirits	4	4	X	2	2	2	1	3	4	X	◇	◇	X
Oleyl Alcohol	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Olive Oil	4	2	1	1	1	1	1	1	3	1	◇	◇	1
Oronite 8200	4	4	1	1	2	2	1	1	4	X	◇	◇	X
Oronite 8515	4	4	1	1	2	2	1	1	4	X	◇	◇	X
Oronite M2V	X	X	4	X	X	X	X	X	X	X	◇	◇	X
Orthochloro Aniline	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Orthochloro Ethyl Benzene	4	4	2	2	4	4	1	4	4	1	◇	◇	4
Orthochloro Phenol	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Orthocresol	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Orthodichloro Benzene	4	4	1	2	4	4	1	4	4	X	◇	◇	X
Orthonitro Toluene	1	1	3	1	3	3	1	4	2	X	◇	◇	X
OS-45 Type III (OS45)	1	4	1	2	2	2	X	X	4	X	◇	◇	X
OS-45 Type IV (OS45-1)	1	4	1	2	2	2	X	4	4	X	◇	◇	X
OS-70	1	4	X	2	2	2	X	4	4	X	◇	◇	X
Oxalic Acid	2	1	1	1	2	2	1	X	2	1	◇	◇	1
Oxygen, 200°F to 300°F	X	4	2	X	4	4	1	X	X	X	◇	◇	X
Oxygen, 300°F to 400°F	X	4	X	X	4	4	1	X	X	X	◇	◇	X
Oxygen, Liquid	4	4	4	4	4	4	2	4	4	X	◇	◇	4
Oxygen, Gas	4	4	2	1	4	4	1	4	2	1	◇	◇	4
Ozonated Deionized Water	X	2	3	X	3	X	1	X	X	X	◇	◇	X
Ozone	4	1	1	1	4	4	1	1	1	1	◇	◇	1
p-Cymene	4	4	1	2	4	4	1	4	4	X	◇	◇	3
p-Dichlorobenzene	4	4	1	2	4	4	1	4	4	1	◇	◇	3



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p-tert-Butylcaltechol	X	2	X	1	X	4	1	X	4	X	◇	◇	1
Paint Thinner-Duco	4	4	3	2	4	4	1	4	4	1	◇	◇	3
Palmitic Acid (Hexadecanoic Acid)	2	2	1	1	1	1	1	1	4	1	◇	◇	1
Par-al-Ketone	4	4	4	4	4	4	2	4	4	X	◇	◇	4
Para-Aminobenzoic Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Para-Aminosalicylic Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Para-Chlorophenol	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Para-Cymene	4	X	1	2	X	X	1	3	X	X	◇	◇	X
Para-Dichlorobenzene	4	4	X	2	4	4	X	4	4	X	◇	◇	X
Para-Formaldehyde	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Para-Nitroaniline	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Para-Nitrobenzoic Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Para-Nitrophenol	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Para-Toluene Sulfonic Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Parafins	2	4	1	X	1	1	1	1	4	1	◇	◇	X
Paraldehyde	4	1	4	X	3	X	1	X	X	X	◇	◇	X
Parker O-Lube	1	4	X	1	1	1	X	1	2	X	◇	◇	X
Parker Super O-Lube	1	1	1	1	X	1	X	1	2	1	◇	◇	X
Peanut Oil	4	3	1	1	1	1	1	2	1	1	◇	◇	1
Pectin (Liquor)	3	4	X	1	X	1	X	1	1	X	◇	◇	X
Pelargonic Acid	X	X	2	X	X	1	1	X	X	X	◇	◇	X
Penicillin (Liquid)	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Pentachloroethane	4	4	2	X	X	4	1	X	X	1	◇	◇	X
Pentachlorophenol	4	3	2	2	3	4	1	4	X	1	◇	◇	X
Pentaerythritol	X	1	1	X	3	1	1	X	X	X	◇	◇	1
Pentaerythritol Tetranitrate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
n-Pentane	1	4	1	3	X	1	1	4	4	X	◇	◇	X
Pentane, 2 Methyl	2	4	X	3	1	1	X	4	4	X	◇	◇	X
Pentane, 2-4 Dimethyl	4	4	1	3	1	1	1	4	4	X	◇	◇	X
Pentane, 3 Methyl	2	4	X	3	1	1	X	4	4	X	◇	◇	X
Peracetic Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Perchloric Acid	2	2	1	1	4	4	1	4	4	3	◇	◇	1
Perchloroethylene	4	4	1	2	2	2	1	4	4	X	◇	◇	4
Petrolatum	2	4	1	1	1	1	1	1	4	1	◇	◇	X
Petrolatum Ether	4	4	1	1	1	1	1	1	2	X	◇	◇	X

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Petroleum, Below 250°F	4	4	1	2	1	1	1	1	2	X	◇	◇	1
Petroleum, Above 250°F	4	4	2	4	4	4	1	4	4	X	◇	◇	2
Petroleum Crude	2	4	2	1	1	1	1	1	4	1	◇	◇	1
Phenol (Carbolic Acid)	4	4	1	2	4	4	1	4	4	1	◇	◇	1
Phenol, 70%/30%/H <sub>2</sub> O	4	4	1	2	4	4	1	4	4	X	◇	◇	X
Phenol, 85%/15%/H <sub>2</sub> O	4	4	1	2	4	4	1	4	4	X	◇	◇	X
Phenolic Sulfonate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Phenosulfonic Acid	X	X	1	X	3	4	1	X	X	X	◇	◇	X
Phenyl Acetamide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Phenyl Acetate	4	2	4	2	3	4	1	4	4	1	◇	◇	X
Phenyl Benzene	4	4	1	2	4	4	1	4	4	X	◇	◇	3
Phenyl Ethyl Ether	4	4	4	4	4	4	1	4	4	1	◇	◇	4
Phenyl Hydrazine	4	4	3	X	4	4	1	4	4	1	◇	◇	1
Phenyl Mercuric Acetate	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Phenylethyl Alcohol	4	X	1	2	X	X	1	3	X	X	◇	◇	X
Phenylhydrazine Hydrachloride	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Phorone	4	1	4	4	4	4	1	4	4	1	◇	◇	4
Phosgene	3	1	4	X	X	4	1	X	X	2	◇	◇	X
Phosphoric Acid 20%	3	1	1	2	4	4	1	3	3	X	◇	◇	1
Phosphoric Acid 60%	2	1	1	3	X	4	X	3	X	X	◇	◇	X
Phosphoric Acid 80%	3	1	1	3	X	4	1	X	4	X	◇	◇	1
Phosphorous Trichloride	4	1	1	1	4	4	1	X	X	1	◇	◇	1
Phosphorous Trichloride Acid	X	1	X	1	4	4	1	X	X	X	◇	◇	1
Phthalic Acid	3	1	2	X	3	3	1	X	2	1	◇	◇	X
Phthalic Anhydride	1	2	4	X	3	3	1	1	X	1	◇	◇	3
Pickling Solution	4	3	1	4	4	4	1	4	4	1	◇	◇	2
Picric Acid	3	3	1	2	1	4	1	2	4	X	◇	◇	X
Pine Oil	4	4	1	1	1	2	1	1	4	1	◇	◇	1
Pine Tar	X	X	1	X	1	X	1	X	X	X	◇	◇	X
Pinene	3	4	1	1	2	2	1	2	4	1	◇	◇	1
Piperidine	4	4	4	4	4	4	1	4	4	1	◇	◇	X
Plating Solution, Chrome	4	2	1	2	4	4	1	4	4	1	◇	◇	1
Plating Solution, Others	1	1	1	X	1	1	1	X	4	1	◇	◇	1
Potassium Cupro Cyanide	1	1	X	1	1	1	1	1	1	X	◇	◇	X
Polyethylene Glycol	2	1	1	X	2	1	1	X	X	1	◇	◇	1

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Polyglycerol	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Polyglycol	1	1	X	1	3	1	X	X	1	X	◇	◇	X
Polyvinyl Acetate Emulsion	2	1	3	X	X	1	1	X	4	X	◇	◇	1
Potassium Acetate	2	1	4	4	2	2	1	4	4	1	◇	◇	1
Potassium Acid Sulfate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Potassium Alum	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Potassium Aluminum Sulfate	2	1	X	X	1	1	X	X	1	X	◇	◇	X
Potassium Antimonate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Potassium Bicarbonate	1	1	1	1	3	1	1	X	1	1	◇	◇	X
Potassium Bichromate	4	1	X	1	1	1	X	2	1	X	◇	◇	X
Potassium Bifluoride	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Potassium Bisulfate	1	1	1	X	3	1	1	X	X	1	◇	◇	X
Potassium Bisulfite	1	1	1	X	3	1	1	1	X	1	◇	◇	X
Potassium Bitartrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Bromide	2	1	2	1	3	1	1	X	1	1	◇	◇	X
Potassium Carbonate	2	1	2	1	X	1	1	4	3	1	◇	◇	X
Potassium Chlorate	2	1	2	1	X	1	1	1	2	1	◇	◇	X
Potassium Chloride	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Potassium Chromate	1	1	2	X	3	1	1	2	X	1	◇	◇	X
Potassium Citrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Cupro Cyanide	1	1	1	1	X	1	1	1	1	1	◇	◇	X
Potassium Cyanate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Cyanide	4	1	1	1	1	1	1	1	1	1	◇	◇	1
Potassium Dichromate	1	1	1	1	1	1	1	2	1	X	◇	◇	1
Potassium Diphosphate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Potassium Ferricyanide	1	1	2	X	3	2	1	X	X	1	◇	◇	X
Potassium Fluoride	1	1	1	X	3	2	1	2	X	1	◇	◇	X
Potassium Glucocyanate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Hydroxide	4	1	4	3	2	2	1	4	3	X	◇	◇	1
Potassium Hypochlorite	3	1	4	X	3	2	X	2	X	X	◇	◇	X
Potassium Iodate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Iodide	1	1	1	X	3	1	1	X	X	1	◇	◇	X
Potassium Metabisulfate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Potassium Metachromate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Potassium Nitrate	2	1	1	1	1	1	1	1	1	X	◇	◇	1

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Potassium Perchlorate	3	X	1	X	3	2	1	X	X	1	◇	◇	X
Potassium Permanganate	1	1	2	X	3	3	1	2	X	1	◇	◇	X
Potassium Persulfate	3	1	X	X	3	1	1	2	X	X	◇	◇	X
Potassium Phosphate (Di/Tri Base)	1	1	X	1	3	1	1	X	1	X	◇	◇	X
Potassium Phosphate, Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Potassium Phosphate, Alkaline	1	1	1	1	3	3	1	4	2	X	◇	◇	X
Potassium Pyrosulfate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Salts	1	1	X	1	1	1	X	1	1	X	◇	◇	X
Potassium Silicate	1	1	1	1	X	1	1	1	1	X	◇	◇	X
Potassium Sodium Tartrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Stannate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Stearate	X	X	2	X	3	X	1	X	X	X	◇	◇	X
Potassium Sulfate	1	1	1	1	1	1	1	1	1	4	◇	◇	1
Potassium Sulfide	1	1	1	X	3	1	1	1	1	1	◇	◇	X
Potassium Sulfite	2	1	1	1	1	1	1	1	1	1	◇	◇	X
Potassium Tartrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Thiocyanate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Potassium Triphosphate	1	1	X	1	3	1	X	4	1	X	◇	◇	X
Perstone Antifreeze	3	1	1	1	1	1	1	4	1	1	◇	◇	2
PRL-High Temperature Hydraulic Oil	2	4	1	1	2	2	1	2	2	X	◇	◇	1
Producer Gas	2	4	1	2	1	1	1	1	2	2	◇	◇	1
Propane	3	4	1	2	1	1	1	3	4	1	◇	◇	1
Propionaldehyde	4	1	4	4	3	4	1	4	4	X	◇	◇	X
Propionic Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Propionitrile	2	1	4	X	1	4	X	X	X	X	◇	◇	1
n-Propyl Acetate	4	2	4	4	4	4	1	4	4	1	◇	◇	4
Propyl Acetate	4	2	4	4	4	4	1	4	4	1	◇	◇	4
Propyl Acetone	4	1	4	4	4	4	1	4	4	X	◇	◇	X
n-Propyl Acetone	4	1	4	4	4	4	1	4	4	X	◇	◇	X
Propyl Alcohol (Propanol)	1	1	1	1	1	1	1	4	1	4	◇	◇	1
Propyl Amine	4	1	X	4	3	4	2	4	3	X	◇	◇	X
Propyl Benzene	4	X	1	2	X	X	1	4	X	X	◇	◇	X
Propyl Cyanide	4	1	X	X	X	4	X	X	X	1	◇	◇	X
Propyl Nitrate	4	2	4	4	4	4	1	4	4	X	◇	◇	X
Propyl Propionate	1	1	3	1	3	3	1	4	2	X	◇	◇	X

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Propylene	4	4	1	2	3	4	1	4	4	1	◇	◇	1
Propylene Chloride	4	4	X	X	X	4	X	X	X	X	◇	◇	X
Propylene Chlorohydrin	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Propylene Dichloride	4	4	2	2	X	4	1	4	4	1	◇	◇	X
Propylene Glycol	3	1	1	1	3	1	1	2	1	1	◇	◇	1
Propylene Imine	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Propylene Oxide	4	2	4	4	4	4	1	4	4	1	◇	◇	4
Pydraul 115E	4	1	1	3	4	4	1	4	4	2	◇	◇	1
Pydraul 230C, 312C, 540C	4	4	1	4	4	4	1	4	4	2	◇	◇	1
Pydraul 29ELT, 30E, 50E, 65E	4	2	X	1	4	4	X	4	1	X	◇	◇	X
Pydraul 90E	4	2	X	1	4	4	X	4	1	X	◇	◇	X
Pyranol (Transformer Oil)	2	4	1	1	1	1	1	2	4	X	◇	◇	1
Pyridine	4	2	4	4	4	4	1	4	4	1	◇	◇	2
Pyridine Oil	4	2	X	4	4	4	X	X	4	X	◇	◇	X
Pyrogallol (Pyrogallic Acid)	X	2	X	X	2	X	X	X	X	X	◇	◇	X
Pyrogard 42, 43, 53, 55	4	1	2	4	4	4	1	4	4	2	◇	◇	2
Pyrogard C & D	2	4	1	2	1	1	1	4	3	2	◇	◇	1
Pyroligneous Acid	4	2	4	4	4	4	1	4	1	1	◇	◇	4
Pyrolube	4	2	1	2	4	4	1	4	2	X	◇	◇	1
Pyrosulfuric Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Pyrosulfuryl Chloride	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Pyrrole	4	4	4	4	4	4	1	X	2	1	◇	◇	X
Pyruvic	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Quinidine	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Quinine	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Quinine Bisulfate	1	1	X	X	3	1	X	1	X	X	◇	◇	X
Quinine Hydrochloride	1	1	1	1	3	3	1	4	2	X	◇	◇	X
Quinine Sulfate	1	1	X	X	3	1	X	1	X	X	◇	◇	X
Quinine Tartrate	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Quinizarin	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Quinoline	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Quinone	X	X	2	X	2	X	1	X	X	X	◇	◇	X
Radiation	3	3	3	4	3	3	1	3	2	1	◇	◇	1
Raffinate	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Rapeseed Oil	2	1	1	1	2	2	1	2	4	1	◇	◇	1

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Red Line 100 Oil	2	4	1	1	1	1	1	1	4	X	◇	◇	1
Red Oil (MIL-H-5606)	2	3	1	1	1	1	X	2	4	X	◇	◇	2
Resins	4	4	1	X	X	2	1	1	X	X	◇	◇	X
Resorcinol	4	4	1	X	3	4	1	4	X	1	◇	◇	1
Riboflavin	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Ricinoleic Acid	X	X	1	X	2	X	1	X	X	X	◇	◇	X
RJ-1 (MIL-F-25558)	2	4	1	1	1	1	1	2	4	X	◇	◇	1
RJ-4 (MIL-F-82522)	X	4	1	1	2	2	1	X	4	X	◇	◇	1
Rosin	1	3	1	1	2	1	1	4	1	1	◇	◇	X
RP-1 (MIL-R-25576)	3	4	1	1	1	1	1	3	4	X	◇	◇	1
Rust Inhibitors	3	X	1	X	X	1	X	1	X	X	◇	◇	X
Saccharin Solution	X	1	X	X	3	X	1	X	X	X	◇	◇	X
Sal Ammoniac	2	1	1	1	1	1	1	2	2	1	◇	◇	1
Salicylic Acid	1	1	1	1	2	2	1	X	X	1	◇	◇	1
Salt Water	2	1	1	1	1	1	1	4	1	1	◇	◇	1
Sanitizers	X	X	1	X	X	1	X	X	X	X	◇	◇	X
Santosafe 300	4	3	1	1	4	4	1	4	1	2	◇	◇	1
Sebacic Acid	X	X	2	X	3	X	1	X	X	X	◇	◇	X
sec-Butyl Alcohol (SBA)	1	1	1	1	1	1	X	4	2	1	◇	◇	X
Sewage	2	1	1	1	1	1	1	4	1	1	◇	◇	1
SF 1147	X	3	X	X	2	2	X	X	4	X	◇	◇	X
SF 1153	1	1	X	1	2	2	X	1	4	X	◇	◇	1
SF 1154	1	1	X	1	2	2	X	1	4	X	◇	◇	1
SF96 (GE Silicone Fluid)	1	1	X	1	2	2	X	1	4	X	◇	◇	X
Shell 3XF Mine Fluid	2	4	X	1	1	1	X	4	X	X	◇	◇	X
Shell Alvania Grease #2	2	4	X	1	1	1	X	1	2	X	◇	◇	X
Shell Carnea 19 & 29	4	4	X	1	1	1	X	2	X	X	◇	◇	X
Shell Diala	2	4	X	1	1	1	X	2	4	X	◇	◇	X
Shell Iris 905	1	4	X	1	1	1	X	1	4	X	◇	◇	X
Shell Lo Hydra 5, 27, 29	2	4	X	1	1	1	X	2	4	X	◇	◇	X
Shell Macome 72	2	4	X	1	1	1	X	2	4	X	◇	◇	X
Shell Tellus 27 (Petroleum Base)	2	4	1	1	1	1	1	1	4	X	◇	◇	1
Shell Tellus 32 (Petroleum Base)	2	4	1	1	1	1	1	1	4	X	◇	◇	4
Shell Tellus 33	2	4	1	1	1	1	X	1	4	X	◇	◇	1
Shell Tellus 68	X	X	X	X	1	X	X	X	X	X	◇	◇	X

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Shell UMF, 5% Aromatic	2	4	1	1	1	1	1	1	4	X	◇	◇	1
Shellac	4	1	2	X	3	1	1	4	X	1	◇	◇	X
Silicate Esters	1	4	1	1	2	2	1	1	4	1	◇	◇	1
Silicone Greases	1	1	1	1	2	1	1	1	3	1	◇	◇	1
Silicone Oils	1	1	1	1	1	1	1	1	3	1	◇	◇	1
Silver Acetate	1	X	1	X	1	X	X	X	X	1	◇	◇	X
Silver Bromide	X	X	X	X	X	X	1	X	X	X	◇	◇	X
Silver Chloride	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Silver Cyanide	1	1	2	1	3	1	1	4	4	1	◇	◇	X
Silver Nitrate	2	1	1	1	3	2	1	1	1	1	◇	◇	1
Silver Sulfate	1	1	2	X	2	1	1	X	X	1	◇	◇	X
Sinclair Opaline CX-EP Lube	2	4	1	2	3	1	1	1	4	X	◇	◇	1
Skelly Solvent B, C, E	4	4	X	1	1	1	X	X	X	X	◇	◇	X
Skydrol 500 B4 LO-4	4	1	4	3	1	4	1	4	3	1	◇	◇	1
Skydrol 7000	4	1	3	3	4	4	1	4	3	X	◇	◇	1
Skydrol LD-4	4	1	4	3	4	4	4	4	3	X	◇	◇	X
Soap Solutions	2	1	1	1	4	1	1	3	1	1	◇	◇	1
Socony Mobile Type A	2	4	X	2	1	1	X	2	4	X	◇	◇	X
Socony PD959B Vacuum	2	4	1	1	1	1	1	1	4	X	◇	◇	1
Socony Vacuum AMV AC781	2	4	X	2	1	1	X	2	4	X	◇	◇	X
Soda	1	1	1	1	1	1	1	X	1	X	◇	◇	X
Soda Alum	1	1	1	X	X	1	X	1	1	1	◇	◇	X
Soda Ash	2	1	1	1	1	1	1	2	1	1	◇	◇	1
Sodium Acetate	2	1	1	4	2	2	1	4	4	1	◇	◇	2
Sodium Acid Bisulfate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Sodium Acid Fluoride	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Sodium Acid Sulfate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Sodium Aluminate	1	1	2	X	3	1	1	X	X	X	◇	◇	X
Sodium Aluminate Sulfate	2	1	X	X	3	1	X	1	1	X	◇	◇	X
Sodium Antraquinone Disulfate	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Sodium Antimonate	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Sodium Arsenate	4	X	2	X	3	2	1	X	X	1	◇	◇	X
Sodium Arsenite	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Benzoate	1	1	2	X	3	2	1	X	X	1	◇	◇	X
Sodium Bicarbonate	1	1	1	1	1	1	1	1	1	1	◇	◇	1



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Sodium Bichromate	2	1	X	X	3	1	X	X	X	X	◇	◇	X
Sodium Bisulfate	2	1	1	1	1	1	1	1	3	1	◇	◇	1
Sodium Bisulfite	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Sodium Borate	1	1	1	1	1	1	1	2	1	1	◇	◇	1
Sodium Bromate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Bromide	1	1	2	X	3	X	1	X	X	1	◇	◇	X
Sodium Carbonate	2	1	1	1	1	1	X	2	1	1	◇	◇	1
Sodium Chlorate	2	1	2	X	3	1	1	2	X	1	◇	◇	3
Sodium Chloride	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Sodium Chlorite	4	4	X	X	3	4	1	X	X	X	◇	◇	X
Sodium Chloroacetate	X	X	3	X	3	X	1	X	X	X	◇	◇	X
Sodium Chromate	1	X	2	X	3	1	1	X	X	1	◇	◇	X
Sodium Citrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Cyanide	1	1	1	1	1	1	1	2	1	X	◇	◇	1
Sodium Diacetate	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Sodium Diphosphate	2	X	X	X	3	1	X	X	X	X	◇	◇	X
Sodium Ethylate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Ferricyanide	1	1	1	X	3	1	1	X	X	1	◇	◇	X
Sodium Ferrocyanide	1	1	1	X	3	1	1	2	X	1	◇	◇	X
Sodium Fluoride	1	1	1	X	3	1	1	2	X	1	◇	◇	X
Sodium Fluorosilicate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Glutamate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Hydrosulfide	X	X	2	X	3	X	1	X	X	X	◇	◇	X
Sodium Hydroxide	4	1	3	2	2	4	1	2	2	X	◇	◇	1
Sodium Hypochlorite	1	2	1	2	2	2	1	4	2	1	◇	◇	1
Sodium Hypophosphate	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Sodium Hypophosphite	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Hypsulfite	2	1	X	1	1	1	X	1	2	X	◇	◇	X
Sodium Iodide	X	X	2	X	3	X	1	X	X	X	◇	◇	X
Sodium Lactate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Metaphosphate	2	1	1	1	1	1	1	2	1	1	◇	◇	1
Sodium Metasilicate	1	1	2	X	3	1	1	2	X	1	◇	◇	X
Sodium Methylate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Nitrate	2	1	1	X	2	2	1	2	4	1	◇	◇	1
Sodium Oleate	X	X	X	X	3	X	1	X	X	X	◇	◇	X

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Sodium Orthosilicate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Oxalate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Perborate	2	1	1	1	2	2	1	2	2	1	◇	◇	1
Sodium Percarbonate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Perchlorate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Peroxide	4	1	2	1	2	2	1	4	4	1	◇	◇	1
Sodium Persulfate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Phosphate, Dibasic	4	1	1	X	1	1	1	1	4	1	◇	◇	1
Sodium Phosphate, Monobasic	4	1	1	X	1	1	X	1	4	X	◇	◇	X
Sodium Phosphate, Tribasic	4	1	1	2	1	1	X	1	1	X	◇	◇	X
Sodium Plumbite	X	X	X	X	3	2	1	2	X	X	◇	◇	X
Sodium Pyrophosphate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Salicylate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Salts	2	2	1	1	1	1	1	1	1	1	◇	◇	1
Sodium Sesquisilicate	X	X	2	X	X	X	1	X	X	X	◇	◇	X
Sodium Silicate	1	1	1	1	1	1	1	2	1	1	◇	◇	1
Sodium Stannate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Sulfate	2	1	1	1	4	1	1	1	X	X	◇	◇	1
Sodium Sulfide	2	1	1	1	1	1	1	1	1	1	◇	◇	X
Sodium Tartrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Tetraborate	2	1	X	1	3	1	X	2	1	X	◇	◇	X
Sodium Tetrasulfide	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Sodium Thioarsenate	X	X	X	X	3	X	X	X	X	X	◇	◇	X
Sodium Thiocyanate	X	1	1	X	3	1	1	X	X	1	◇	◇	2
Sodium Thiosulfate	1	1	1	1	2	2	1	1	1	X	◇	◇	X
Sodium Trichloroacetate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sodium Triphosphate	2	2	X	X	3	1	X	X	X	X	◇	◇	X
Solvasol 1, 2, 3	2	4	2	1	1	1	1	2	4	1	◇	◇	4
Solvasol 73, 74	2	4	X	1	2	2	X	2	4	X	◇	◇	X
Solvents	3	4	1	X	X	1	X	2	X	1	◇	◇	X
Sorbitol	X	X	2	X	3	X	1	X	X	X	◇	◇	X
Sour Crude Oil	X	4	4	4	3	3	1	X	4	X	◇	◇	X
Sour Natural Gas	X	4	4	4	3	3	1	X	4	X	◇	◇	X
Soybean Oil	2	4	1	1	1	1	1	2	1	1	◇	◇	1
Spry	2	2	X	1	1	1	X	1	1	X	◇	◇	X

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SR10 Fuel	4	4	X	1	1	1	X	2	4	X	◇	◇	X
SR6 Fuel	4	4	1	1	2	2	1	2	4	X	◇	◇	1
Standard Oil Mobillube G490-EP Lube	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Stannic Ammonium Chloride	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Stannic Chloride	2	1	1	1	1	1	1	2	2	1	◇	◇	1
Stannic Sulfide	X	X	X	X	X	1	X	X	X	1	◇	◇	X
Stannic Tetrachloride	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Stannous Bisulfate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Stannous Bromide	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Stannous Chloride	1	1	1	1	1	1	1	3	2	X	◇	◇	1
Stannous Fluoride	X	X	1	X	3	X	1	X	X	X	◇	◇	X
Stannous Sulfate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Stannous Sulfide	X	X	X	X	X	1	X	X	X	1	◇	◇	X
Stauffer 7700	4	4	1	2	2	2	1	X	4	X	◇	◇	3
Steam, Below 300°F	3	1	2	4	4	4	1	4	3	1	◇	◇	1
Steam, Above 300°F	4	3	X	4	4	4	1	4	4	X	◇	◇	X
Stearic Acid	2	2	1	3	2	1	1	1	2	1	◇	◇	1
Stoddards Solvent (ASTM D-484-52)	2	4	1	1	1	1	1	2	4	1	◇	◇	2
Strontium Acetate	X	X	4	X	3	X	1	X	X	X	◇	◇	X
Strontium Carbonate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Strontium Chloride	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Strontium Hydroxide	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Strontium Nitrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Styrene, Monomer	4	4	2	3	4	4	1	3	4	1	◇	◇	2
Succinic Acid	X	1	2	X	3	1	1	X	X	1	◇	◇	X
Sucrose Solution	2	1	1	1	1	1	1	4	1	1	◇	◇	1
Sulfamic Acid	2	4	2	X	3	X	1	4	X	X	◇	◇	X
Sulfanilic Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Sulfanilic Chloride	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Sulfanilimide	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Sulfite Liquors	2	2	2	2	3	2	1	X	4	1	◇	◇	1
Sulfolane	X	1	2	X	2	2	1	X	X	X	◇	◇	1
Sulfonic Acid	X	X	X	X	3	4	X	X	X	X	◇	◇	X
Sulfonyl Chloride	1	1	3	1	3	3	2	4	2	X	◇	◇	X
Sulphite Liquors	1	1	1	2	X	1	X	3	4	1	◇	◇	X

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Sulfur	1	1	X	1	4	4	1	X	3	X	◇	◇	X
Sulfur Chloride	4	4	1	1	4	4	1	3	3	2	◇	◇	1
Sulfur Dioxide, Dry	4	1	2	2	4	4	1	4	2	1	◇	◇	2
Sulfur Dioxide, Liquified	1	1	2	2	4	4	1	2	2	1	◇	◇	X
Sulfur Dioxide, Wet	4	1	2	2	4	4	X	3	2	X	◇	◇	X
Sulfur Hexafluoride	1	1	2	2	2	2	1	2	2	1	◇	◇	3
Sulfur Liquors	2	2	X	2	2	2	X	X	4	X	◇	◇	X
Sulfur Monochloride	4	4	X	1	1	X	X	3	3	X	◇	◇	X
Sulfur Tetrafluoride	X	X	3	X	X	X	2	X	X	X	◇	◇	X
Sulfur Trioxide	4	2	1	2	4	4	1	2	2	1	◇	◇	2
Sulfuric Acid, 20%	3	1	1	1	3	3	X	3	X	X	◇	◇	2
Sulfuric Acid, 20% Oleum	4	1	1	1	2	4	1	4	1	1	◇	◇	1
Sulfuric Acid, 40%	3	1	1	1	X	3	X	X	4	X	◇	◇	2
Sulfuric Acid, 60%	3	1	2	3	X	3	X	4	4	X	◇	◇	2
Sulfuric Acid, Concentrated	4	3	1	4	X	4	1	4	4	1	◇	◇	1
Sulfuric Acid, Fuming	4	4	2	4	4	4	X	4	4	1	◇	◇	1
Sulfurous Acid	4	2	3	X	2	2	1	4	4	1	◇	◇	1
Sulfurous Oxychloride	1	X	X	X	X	1	X	X	X	1	◇	◇	X
Sunlight	2	1	X	X	X	X	X	3	X	X	◇	◇	X
Sunoco 3661	4	4	1	1	1	1	1	1	4	X	◇	◇	X
Sunoco All Purpose Grease	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Sunoco SAE 10	2	4	1	1	1	1	1	1	4	X	◇	◇	1
Sunoco XS-820	X	4	1	X	X	X	X	X	X	X	◇	◇	X
SunSAFE	2	4	X	1	1	1	X	4	X	X	◇	◇	X
SuperShell Gasoline	2	4	2	2	1	1	1	2	4	X	◇	◇	3
Swanfinch EP Lubricant	4	4	1	1	1	1	1	1	4	X	◇	◇	2
Swanfinch Hypoid 90	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Sweet Birch Oil	4	3	2	X	X	4	X	X	X	1	◇	◇	X
Sweet Oil	2	1	1	X	X	1	X	2	4	1	◇	◇	X
Syrup	1	1	1	X	X	1	X	X	X	X	◇	◇	X
Table Salt	1	1	1	1	1	1	X	1	3	1	◇	◇	X
Tallow	3	4	1	1	1	4	1	1	4	1	◇	◇	X
Tannic Acid	2	1	1	1	1	1	1	1	2	1	◇	◇	1
Tar	3	4	1	1	2	2	1	X	2	X	◇	◇	1
Tar, Bituminous	4	4	1	1	2	2	1	X	2	X	◇	◇	X

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Tar, Camphor	4	4	1	1	4	4	1	2	1	1	◇	◇	X
Tartaric Acid	4	3	2	1	1	1	1	1	1	1	◇	◇	1
Terephthalic Acid	X	X	1	X	3	X	1	X	X	X	◇	◇	X
Terpene	4	4	1	X	X	3	X	X	X	1	◇	◇	X
Terpineol	4	3	1	1	2	2	1	2	X	X	◇	◇	1
Terpinyl Acetate	X	X	4	X	2	X	1	X	X	X	◇	◇	X
Tertrabromoethane	4	4	X	2	4	4	1	X	4	X	◇	◇	X
Tetrabromomethane	4	4	1	2	4	4	1	X	4	1	◇	◇	3
Tetrachloroethane	4	4	1	2	4	4	1	4	X	1	◇	◇	4
Tetrachloroethylene	4	4	1	2	4	2	1	4	4	1	◇	◇	4
Tetraethyl Lead	3	4	1	2	2	2	1	2	X	X	◇	◇	3
Tetrahydrofuran (THF)	4	3	4	4	4	4	1	3	4	1	◇	◇	4
Tetralin (Tetrahydronaphthalene)	4	4	2	1	4	4	1	4	4	1	◇	◇	4
Tetramethyl Ammonium Hydroxide (TMAH)	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Tetramethyl Dihydropyridine	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Tetraphospho Glucosate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Tetrol	4	4	3	X	X	4	X	X	X	1	◇	◇	X
Texaco 34X0 Gear Oil	4	4	1	1	4	1	1	1	4	X	◇	◇	1
Texaco Capella A & AA	2	4	X	1	1	1	X	2	4	X	◇	◇	X
Texaco Meropa 220 (No Lead)	2	4	X	1	1	1	X	2	4	X	◇	◇	X
Texaco Regal B	4	4	X	4	1	1	X	1	4	X	◇	◇	X
Texaco Uni-Temperature Grease	2	4	1	1	1	1	1	1	2	X	◇	◇	1
Texamatic 1581 Fluid	2	4	1	2	1	1	X	2	4	X	◇	◇	X
Texamatic 3401 Fluid	2	4	X	2	1	1	X	2	4	X	◇	◇	X
Texamatic 3528 Fluid	2	4	X	2	1	1	X	2	4	X	◇	◇	X
Texamatic 3X2X Fluid	2	4	1	2	1	1	1	2	4	X	◇	◇	1
Texamatic A Transmission Oil	2	4	X	2	1	1	X	2	4	X	◇	◇	X
Texas 1500 Oil	4	4	1	1	1	1	1	1	2	X	◇	◇	X
Therminol 44,45	4	4	1	X	4	4	X	X	4	X	◇	◇	X
Therminol 55	X	X	1	X	2	X	1	X	X	X	◇	◇	X
Therminol 66	4	4	X	X	X	4	X	X	2	X	◇	◇	X
Thioamyl Alcohol	4	4	1	1	1	1	1	1	2	X	◇	◇	X
Thiodiacetic Acid	1	1	1	1	3	3	1	4	2	X	◇	◇	X
Thioethanol	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Thioethyl Alcohol	4	4	2	X	X	4	1	X	X	1	◇	◇	X

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Thioglycolic Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Thiokol TP-90B	2	1	2	2	4	4	1	X	X	X	◇	◇	1
Thiokol TP-95	2	1	2	2	4	4	1	X	2	X	◇	◇	1
Thionyl Chloride	4	3	2	X	2	4	1	4	X	X	◇	◇	X
Thiophene	4	4	4	X	2	4	1	X	X	1	◇	◇	X
Thiophosphoryl Chloride	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Thiourea	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Thorium Nitrate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Tidewater Multigear 140 EP Lube	2	4	X	1	1	1	X	1	4	X	◇	◇	X
Tidewater Oil (Beedol)	2	4	1	1	1	1	1	1	2	X	◇	◇	1
Tin Chloride	4	1	X	1	1	1	X	2	2	X	◇	◇	X
Tin Tetrachloride	2	1	1	1	1	1	1	2	2	1	◇	◇	X
Titanic Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Titanium Dioxide	X	X	2	X	3	X	1	X	X	X	◇	◇	X
Titanium Salts	X	4	1	X	X	2	X	2	X	1	◇	◇	X
Titanium Sulfate	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Titanium Tetrachloride	4	4	1	2	2	2	1	4	4	1	◇	◇	2
Toluene	4	4	2	2	4	4	1	4	4	1	◇	◇	4
Toluene Disocyanate (TDI)	4	2	4	4	4	4	1	X	4	1	◇	◇	4
Toluene Sulfonyl Chloride	4	4	1	2	2	2	1	3	X	X	◇	◇	X
Toluene Sulfonic Acid	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Toluidine	X	X	X	X	2	4	1	X	X	X	◇	◇	X
Toluol	4	4	X	2	3	4	X	4	4	X	◇	◇	X
Toluquinone	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Tolyaldehyde	X	X	X	X	3	X	1	X	X	X	◇	◇	1
Transformer Oil	2	4	1	1	1	1	1	1	2	1	◇	◇	1
Transmission Fluid Type A	2	4	1	1	1	1	1	1	2	1	◇	◇	1
Tricresyl Phosphate	2	1	2	2	4	4	1	4	3	X	◇	◇	X
Triacetin	2	1	4	4	2	2	1	4	X	1	◇	◇	4
Triaryl Phosphate	4	1	1	2	4	4	1	4	3	X	◇	◇	1
Tribromomethyl Benzene	X	X	X	X	2	X	X	X	X	X	◇	◇	X
Tributoxyethyl Phosphate	4	1	2	2	4	4	1	4	X	1	◇	◇	1
Tributyl Amine	X	X	4	X	X	2	1	X	X	1	◇	◇	X
Tributyl Citrate	X	X	4	X	3	X	1	X	X	1	◇	◇	X
Tributyl Mercaptan	4	4	2	3	4	4	1	X	4	1	◇	◇	X



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Tributyl Phosphate	4	1	4	4	4	4	1	4	4	1	◇	◇	2
Trichloroacetic Acid (TCA)	4	2	3	4	2	2	1	4	4	1	◇	◇	3
Trichloroacetyl Chloride	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Trichlorobenzene 1, 2, 3	4	X	2	4	2	4	1	4	4	1	◇	◇	X
Trichloroethane 1	4	4	1	2	4	4	1	4	4	1	◇	◇	4
Trichloroethylene (TCE)	4	4	1	3	3	4	1	4	4	X	◇	◇	4
Trichlorofluoromethane (Freon 11)	4	4	2	2	2	2	2	X	4	1	◇	◇	4
Trichloromethane	4	4	1	2	4	4	X	4	4	1	◇	◇	X
Trichloropropane	1	X	X	X	4	1	1	1	X	X	◇	◇	X
Trichlorosilane	X	X	X	X	4	X	1	X	X	X	◇	◇	X
Trichlorotrifluoroethane (Freon 113)	1	4	2	4	1	2	2	2	4	1	◇	◇	4
Tricresyl Phosphate	4	1	1	2	4	4	1	4	3	1	◇	◇	1
Tridecanol	X	X	2	X	X	1	X	X	X	1	◇	◇	X
Triethanolamine (TEA)	4	2	4	4	3	3	1	4	4	1	◇	◇	1
Triethyl Aluminum	4	3	2	X	X	4	1	4	X	X	◇	◇	X
Triethyl Amine	2	1	X	X	3	1	1	4	4	X	◇	◇	X
Triethyl Borane	4	3	1	X	2	4	1	4	X	1	◇	◇	X
Triethyl Phosphate	X	1	1	2	2	4	1	X	3	X	◇	◇	X
Triethylene Glycol (TEG)	X	X	2	X	3	1	1	X	X	1	◇	◇	X
Trimethyl Amine (TMA)	X	X	4	X	3	X	2	X	X	X	◇	◇	X
Trimethyl Borate (TMB)	X	X	X	X	2	X	1	X	X	X	◇	◇	X
Trimethyl Methane	X	X	1	X	X	1	X	X	X	1	◇	◇	X
Trimethylpentane	4	4	X	X	1	1	1	2	4	X	◇	◇	X
Trinitrotoluene (TNT)	1	4	2	2	4	4	1	X	3	1	◇	◇	2
Trioctyl Phosphate	4	2	2	2	4	4	1	4	3	1	◇	◇	1
Triphenyl Phosphite	X	X	3	X	X	4	X	X	X	1	◇	◇	1
Tripoly Phosphate	4	1	2	1	4	4	1	4	3	X	◇	◇	X
Tripotassium Phosphate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Trisodium Phosphate	2	1	X	4	3	1	X	2	1	X	◇	◇	X
TT-N-95B	X	4	X	1	1	1	1	3	4	X	◇	◇	X
TT-N-97B	X	4	X	X	1	1	1	3	4	X	◇	◇	X
TT-I-735B	X	1	X	X	1	1	1	2	X	X	◇	◇	X
TT-I-735 TYPE I	X	4	X	1	1	1	1	2	4	X	◇	◇	X
TT-S-735 TYPE II	X	4	X	1	X	1	1	3	4	X	◇	◇	X
TT-S-735 TYPE III	X	4	X	1	X	1	1	3	4	X	◇	◇	X



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TT-S-735 TYPE IV	X	4	X	1	1	1	1	1	3	X	◇	◇	X
TT-S-735 TYPE V	X	4	X	1	1	1	1	2	3	X	◇	◇	4
TT-S-735 TYPE VI	X	4	X	1	1	1	1	2	3	X	◇	◇	X
TT-S-7335 TYPE VII	X	4	X	1	1	1	1	3	4	X	◇	◇	X
Tung Oil	2	4	1	2	1	1	1	3	4	1	◇	◇	1
Turbine Oil	4	4	1	2	1	2	1	1	4	X	◇	◇	1
Turbine Oil No. 15 (MIL-L-7808A)	4	4	1	2	2	2	1	4	4	1	◇	◇	1
Turbo No. 10 Oil	4	X	1	X	2	X	X	X	X	X	◇	◇	X
Turbo Oil No. 35	X	4	1	1	1	1	1	1	4	X	◇	◇	X
Turpentine	4	4	2	2	1	1	1	4	4	1	◇	◇	1
Ucon Hydrolube J-4	2	1	3	2	2	1	1	4	1	1	◇	◇	1
Ucon Lubricant 50-HB-100	1	1	1	1	2	1	X	X	1	X	◇	◇	X
Ucon Lubricant 50-HB-260	1	1	1	1	2	1	X	X	1	X	◇	◇	X
Ucon Lubricant 50-HB-5100	1	1	1	1	1	1	X	X	1	X	◇	◇	X
Ucon Lubricant 50-HB-55	1	1	1	1	2	1	X	X	1	X	◇	◇	X
Ucon Lubricant 50-HB-660	1	1	1	1	1	1	X	X	1	X	◇	◇	X
Ucon Lubricant LB-1145	1	1	1	1	1	1	X	X	1	X	◇	◇	X
Ucon Lubricant LB-135	1	1	1	1	1	1	X	X	1	X	◇	◇	X
Ucon Lubricant LB-285	1	1	1	1	1	1	X	X	1	X	◇	◇	X
Ucon Lubricant LB-3005	1	1	1	1	1	1	X	X	1	X	◇	◇	X
Ucon Lubricant LB-625	1	1	1	1	1	1	X	X	1	X	◇	◇	X
Ucon Lubricant LB-65	1	1	1	1	2	1	X	4	1	X	◇	◇	X
Ucon Oil 50 HB-2805	1	1	X	1	2	1	X	X	1	X	◇	◇	1
Ucon Oil Heat Transfer Fluid	1	1	X	1	1	1	X	X	1	X	◇	◇	X
Ucon Oil LB-385	1	1	4	1	2	2	1	2	1	X	◇	◇	1
Ucon Oil LB-400	1	1	4	1	2	1	1	2	1	X	◇	◇	1
UDMH (Unsymmetrical Dimethyl Hydrazine)	2	1	4	4	2	2	2	4	4	1	◇	◇	3
Univis 40 Hydraulic Fluid	2	4	4	1	1	1	1	1	4	X	◇	◇	1
Univolt No. 35 (Mineral Oil)	2	4	1	1	1	1	1	1	4	X	◇	◇	1
UPDI (Ultra Pure Deionized Water)	X	2	2	X	X	X	1	X	X	X	◇	◇	2
Uric Acid	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Urine	4	1	1	X	X	1	X	X	X	1	◇	◇	X
Valeraldehyde	X	X	X	X	3	X	1	X	X	X	◇	◇	X
Vaerlic Acid	4	1	1	X	3	1	1	X	X	X	◇	◇	X
Vanadium Oxide	X	X	X	X	1	X	X	X	X	X	◇	◇	X

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Vanadium Pentoxide	X	X	X	X	1	X	1	X	X	X	◇	◇	X
Varnish	4	4	1	2	2	2	1	1	4	1	◇	◇	2
Vegetable Oils	1	3	1	1	1	1	1	1	1	4	◇	◇	1
Versilube F44, F50, F55	1	1	1	1	1	1	1	1	3	2	◇	◇	1
Vinegar	2	1	1	3	2	2	1	4	3	2	◇	◇	1
Vinyl Acetate	4	2	4	X	4	4	1	4	4	1	◇	◇	4
Vinyl Benzene	4	4	X	3	4	4	X	3	4	X	◇	◇	X
Vinyl Bromide	1	X	X	X	X	X	X	X	X	1	◇	◇	X
Vinyl Chloride	4	4	2	X	2	4	1	X	X	X	◇	◇	3
Vinyl Cyanide	2	4	3	4	4	4	1	4	4	1	◇	◇	X
Vinyl Ether	X	X	4	X	X	2	X	X	X	1	◇	◇	X
Vinyl Fluoride	2	X	2	X	2	X	1	X	X	1	◇	◇	X
Vinyl Oxide	X	X	4	X	X	2	X	X	X	1	◇	◇	X
Vinyl Toluene	X	X	1	X	X	4	X	X	X	1	◇	◇	X
Vinylidene Chloride	4	3	1	4	2	4	1	4	X	1	◇	◇	X
Vitriol (White)	X	X	X	X	3	X	X	X	X	X	◇	◇	X
VV-H-910	2	1	1	2	3	3	1	4	2	X	◇	◇	1
Wagner 21B Brake Fluid	2	1	4	4	3	3	1	4	3	1	◇	◇	1
Water	2	1	1	1	1	1	1	1	2	1	◇	◇	1
Wax	1	1	1	X	X	1	X	1	1	1	◇	◇	X
Wemco C	2	4	1	1	1	1	1	1	4	X	◇	◇	1
Whiskey & Whines	3	1	1	1	1	1	1	4	1	1	◇	◇	1
White Liquor	1	1	1	X	1	1	X	X	X	1	◇	◇	1
White Oil	2	4	1	1	1	1	1	1	4	1	◇	◇	1
White Pine Oil	4	4	1	1	2	2	1	X	4	X	◇	◇	1
Wolmar Salts	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Wood Alcohol	4	1	4	1	1	1	X	4	1	X	◇	◇	X
Wood Oil	1	4	X	2	1	1	1	3	4	X	◇	◇	X
Xenon	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Xylene	4	4	2	1	4	4	1	4	4	1	◇	◇	4
Xylidenes Mixed Aromatic Amines	X	X	4	X	3	X	X	X	X	X	◇	◇	X
Xylidine	4	4	4	4	3	3	1	4	4	1	◇	◇	2
Xylol	4	4	1	1	4	4	1	4	4	1	◇	◇	4
Yeast	1	1	1	X	X	1	X	3	2	1	◇	◇	X
Zeolites	1	1	1	1	1	1	1	X	X	1	◇	◇	1

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Zinc Acetate	2	1	4	4	2	2	1	4	4	1	◇	◇	3
Zinc Ammonium Chloride	X	X	3	X	1	X	1	X	X	X	◇	◇	X
Zinc Chloride	2	1	1	1	1	1	1	1	1	1	◇	◇	1
Zinc Chromate	X	X	3	X	3	X	1	X	X	X	◇	◇	X
Zinc Cyanide	X	X	3	X	3	X	1	X	X	X	◇	◇	X
Zinc Diethldithiocarbamate	X	X	3	X	3	X	1	X	X	X	◇	◇	X
Zinc Dihydrogen Phosphate	1	1	3	1	3	3	1	4	2	X	◇	◇	X
Zinc Hydrosulfite	1	1	3	X	3	1	1	X	X	X	◇	◇	X
Zinc Nitrate	X	X	1	X	1	X	1	X	X	X	◇	◇	X
Zinc Oxide	1	X	1	X	X	X	1	X	X	X	◇	◇	X
Zinc Phenosulonate	X	X	3	X	3	X	1	X	X	X	◇	◇	X
Zinc Phosphate	X	X	1	X	1	X	1	X	X	X	◇	◇	X
Zinc Salts	1	1	1	1	1	1	1	1	1	1	◇	◇	1
Zinc Stearate	X	X	3	X	3	X	1	X	X	1	◇	◇	X
Zinc Sulfate	2	1	1	1	1	1	1	2	1	1	◇	◇	1
Zinc Sulfide	X	X	3	X	3	X	1	X	X	X	◇	◇	X
Zinc Sulphate	1	1	1	1	1	1	X	1	1	1	◇	◇	1
Zinc Vitriol	1	1	1	X	X	1	X	X	1	1	◇	◇	X
Zirconium Nitrate	X	X	1	X	1	X	1	X	X	X	◇	◇	X

