



Compatibility Rating: 1 = Recommended 2 = Fair 3 = Doubtful 4 = Unsatisfactory X = Insufficient Data	Silicone	Fluorosilicone	Viton	Nitrile	EPDM	Neoprene	SBR	Butyl	Polyacrylate	Polyurethane
Aconitic Acid	X	X	X	X	X	X	X	X	X	X
Acridine	X	X	X	X	X	X	X	X	X	X
Acrolein	2	1	3	3	1	1	1	1	4	4
Acrylic Acid	X	2	1	2	4	4	4	4	4	3
Acrylonitrile	4	4	3	4	4	4	3	4	4	4
Adipic Acid	X	X	X	1	2	X	X	X	X	X
Aero Lubriplate	2	1	1	1	4	1	2	4	1	1
Aero Shell 17 Grease	2	1	1	1	4	2	4	4	1	1
Aero Shell 750	4	2	1	2	4	4	4	4	2	4
Aero Shell 7A Grease	2	1	1	2	4	2	4	4	1	1
Aero Shell IAC	2	1	1	1	4	2	4	4	1	1
Aerosafe 2300	3	3	4	4	1	4	4	2	4	4
Aerosafe 2300W	3	3	4	4	1	4	4	2	4	4
Aerozene 50 (50% Hydrazine 50% UDMH)	4	4	4	3	1	4	4	1	X	4
Air, Below 200° F	1	1	1	2	1	1	2	1	1	2
Air, 200 - 300° F	1	1	1	3	2	2	4	2	2	3
Air, 300 - 400° F	1	2	1	4	4	4	4	4	4	4
Air, 400 - 500° F	2	4	3	4	4	4	4	4	4	4
Aliphatic Dicarboxylic Acid	X	2	1	2	4	4	4	4	4	3
Alkanes (Paraffin Hydrocarbons)	2	1	1	1	4	2	4	4	1	1
Alkanesulfonic Acid	2	1	1	1	4	2	4	4	1	1
Alkazene	4	2	2	4	4	4	4	4	4	4
Alkenes (Olefin Hydrocarbons)	X	2	1	2	4	4	4	4	4	3
Alkyl Acetone	2	1	3	3	1	1	1	1	4	4
Alkyl Alcohol	2	1	1	1	4	2	4	4	1	1
Alkyl Amine	2	1	1	1	4	2	4	4	1	1
Alkyl Aryl Sulfonates	2	1	1	1	4	2	4	4	1	1
Alkyl Aryl Sulfonics	2	1	1	1	4	2	4	4	1	1
Alkyl Benzene	X	2	1	2	4	4	4	4	4	3
Alkyl Chloride	X	2	1	2	4	4	4	4	4	3
Alkyl Sulfide	X	2	1	2	4	4	4	4	4	3



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Ammonia (Anhydrous)	2	4	4	2	1	1	4	1	4	4
Ammonia and Lithium Metal in Solution	4	4	4	2	2	X	4	2	4	4
Ammonia, Gas, Cold	1	4	4	1	1	1	1	1	4	X
Ammonia, Gas, Hot	X	4	4	4	2	2	4	2	4	X
Ammonia, Liquid (Anhydrous)	2	4	4	2	1	1	4	1	4	4
Ammonium Acetate	2	1	3	3	1	1	1	1	4	4
Ammonium Arsenate	2	1	3	3	1	1	1	1	4	4
Ammonium Benzoate	2	1	3	3	1	1	1	1	4	4
Ammonium Bicarbonate	2	1	3	3	1	1	1	1	4	4
Ammonium Bisulfite	2	1	3	3	1	1	1	1	4	4
Ammonium Bromide	X	X	1	1	1	1	1	1	X	1
Ammonium Carbamate	2	1	3	3	1	1	1	1	4	4
Ammonium Carbonate	X	X	1	4	1	1	1	1	4	4
Ammonium Chloride, 2N	X	X	1	1	1	1	1	1	X	1
Ammonium Citrate	2	1	3	3	1	1	1	1	4	4
Ammonium Dichromate	2	1	3	3	1	1	1	1	4	4
Ammonium Diphosphate	2	1	3	3	1	1	1	1	4	4
Ammonium Fluoride	X	X	1	1	1	1	1	1	X	1
Ammonium Fluorosilicate	X	X	X	X	X	X	X	X	X	X
Ammonium Formate	2	1	3	3	1	1	1	1	4	4
Ammonium Hydroxide, 3 Molar	1	1	3	1	1	1	2	1	4	4
Ammonium Hydroxide, Concentrated	1	1	4	4	1	1	3	1	4	4
Ammonium Iodide	X	X	1	1	1	1	1	1	X	1
Ammonium Lactate	2	1	3	3	1	1	1	1	4	4
Ammonium Metaphosphate	2	1	3	3	1	1	1	1	4	4
Ammonium Molybdenate	2	1	3	3	1	1	1	1	4	4
Ammonium Nitrate, 2N	X	X	X	1	1	1	1	1	2	X
Ammonium Nitrite	2	X	X	1	1	1	1	1	X	X
Ammonium Oxalate	2	1	3	3	1	1	1	1	4	4

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Ammonium Perchlorate	2	1	3	3	1	1	1	1	4	4
Ammonium Perchloride	X	X	X	X	X	X	X	X	X	X
Ammonium Persulfate 10%	X	X	X	4	1	1	4	1	4	4
Ammonium Persulfate Solution	X	X	X	4	1	X	4	1	4	4
Ammonium Phosphate	1	X	4	1	1	1	1	1	X	X
Ammonium Phosphate, Dibasic	1	X	X	1	1	1	1	1	X	X
Ammonium Phosphate, Mono-Basic	1	X	X	1	1	1	1	1	X	X
Ammonium Phosphate, Tribasic	1	X	X	1	1	1	1	1	X	X
Ammonium Phosphite	2	1	3	3	1	1	1	1	4	4
Ammonium Picrate	2	1	3	3	1	1	1	1	4	4
Ammonium Polysulfide	2	1	3	3	1	1	1	1	4	4
Ammonium Salicylate	2	1	3	3	1	1	1	1	4	4
Ammonium Salts	1	3	3	1	1	1	1	1	3	X
Ammonium Sulfamate	2	1	3	3	1	1	1	1	4	4
Ammonium Sulfate	X	X	4	1	1	1	2	1	4	X
Ammonium Sulfate Nitrate	X	X	4	1	1	1	2	1	4	X
Ammonium Sulfide	X	X	4	1	1	1	2	1	4	X
Ammonium Sulfite	2	1	3	3	1	1	1	1	4	4
Ammonium Thiocyanate	2	1	3	3	1	1	1	1	4	4
Ammonium Thioglycolate	2	1	3	3	1	1	1	1	4	4
Ammonium Thiosulfate	2	1	3	3	1	1	1	1	4	4
Ammonium Tungstate	2	1	3	3	1	1	1	1	4	4
Ammonium Valerate	2	1	3	3	1	1	1	1	4	4
Amyl Acetate	4	4	4	1	3	4	4	3	4	4
Amyl Alcohol	4	1	2	2	1	2	2	1	4	4
Amyl Borate	X	X	1	1	4	1	4	4	X	X
Amyl Butyrate	2	1	1	1	4	2	4	4	1	1
Amyl Chloride	4	2	1	X	4	4	4	4	4	X
Amyl Chloronaphthalene	4	2	1	4	4	4	4	4	4	X
Amyl Cinnamic Aldehyde	X	2	1	2	4	4	4	4	4	3

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Amyl Laurate	X	2	1	2	4	4	4	4	4	3
Amyl Mercaptan	X	2	1	2	4	4	4	4	4	3
Amyl Naphthalene	4	1	1	4	4	4	4	4	2	4
Amyl Nitrate	2	1	3	3	1	1	1	1	4	4
Amyl Nitrite	2	1	3	3	1	1	1	1	4	4
Amyl Phenol	X	X	X	X	X	X	X	X	X	X
Amyl Propionate	2	1	1	1	4	2	4	4	1	1
Anderol, L- 826 (di-ester)	4	2	1	2	4	4	4	4	2	4
Anderol, L- 829 (di-ester)	4	2	1	2	4	4	4	4	2	4
Anderol, L-774 (di-ester)	4	2	1	2	4	4	4	4	2	4
ANG-25 (Di-ester Base) (TG749)	2	2	1	2	4	4	4	4	2	4
ANG-25 (Glycerol Ester)	2	2	1	2	1	2	2	2	4	4
Aniline	4	3	3	4	2	4	4	2	4	4
Aniline Dyes	3	2	2	4	2	2	2	2	4	4
Aniline Hydrochloride	3	2	2	2	2	4	3	2	4	4
Aniline Oil	4	3	3	4	2	4	4	2	4	4
Aniline Sulfate	2	1	3	3	1	1	1	1	4	4
Aniline Sulfite	2	1	3	3	1	1	1	1	4	4
Animal Fats	X	X	1	1	2	2	X	X	X	X
Animal Oil (Lard Oil)	2	1	1	1	2	2	4	2	1	2
Anisole	X	X	X	X	X	X	X	X	X	X
Anisoyl Chloride	X	X	X	X	X	X	X	X	X	X
AN-O-3 Grade M	2	1	1	1	4	2	4	4	1	1
AN-O-366	4	1	1	1	4	2	4	4	1	1
AN-O-6	4	1	1	1	4	2	4	4	1	1
Ansul Ether 161 or 181	4	3	4	3	3	4	4	3	4	2
Anthracene	X	2	1	2	4	4	4	4	4	3
Anthranilic Acid	X	X	X	X	X	X	X	X	X	X
Anthraquinone	X	X	X	X	X	X	X	X	X	X
Anti-freeze Solutions	2	1	3	3	1	1	1	1	4	4
Antimony Chloride	4	1	1	1	4	2	4	4	1	1
Antimony Pentachloride	4	1	1	1	4	2	4	4	1	1

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Antimony Pentafluoride	X	X	X	X	X	X	X	X	X	X
Antimony Sulfate	X	X	X	X	X	X	X	X	X	X
Antimony Tribromide	4	1	1	1	4	2	4	4	1	1
Antimony Trichloride	4	1	1	1	4	2	4	4	1	1
Antimony Trifluoride	4	1	1	1	4	2	4	4	1	1
Antimony Trioxide	4	1	1	1	4	2	4	4	1	1
AN-VV-O-366b Hydr. Fluid	4	1	1	1	4	2	4	4	2	2
Aqua Regia	X	X	2	4	3	4	X	X	X	X
Arachidic Acid	X	X	X	X	X	X	X	X	X	X
Argon	1	1	1	1	1	1	1	1	1	1
Aroclor, 1248	2	2	1	3	2	4	4	2	4	4
Aroclor, 1254	3	2	1	4	2	4	4	4	4	4
Aroclor, 1260	1	1	1	1	X	1	1	1	4	4
Aromatic Fuel -50%	4	2	1	2	4	4	4	4	4	4
Arsenic Acid	1	1	1	1	1	1	1	1	3	3
Arsenic Oxide	X	X	X	X	X	X	X	X	X	X
Arsenic Trichloride	X	X	4	1	4	1	X	X	X	X
Arsenic Trioxide	X	X	4	1	4	1	X	X	X	X
Arsenic Trisulfide	X	X	4	1	4	1	X	X	X	X
Arsenites	X	X	X	X	X	X	X	X	X	X
Arsine	X	X	X	X	X	X	X	X	X	X
Aryl Orthosilicate	X	X	X	X	X	X	X	X	X	X
Ascorbic Acid	2	1	3	3	1	1	1	1	4	4
Askarel Transformer Oil	4	2	1	2	4	4	4	4	4	4
Aspartic Acid	2	1	3	3	1	1	1	1	4	4
Asphalt	4	2	1	2	4	2	4	4	2	2
ASTM Oil, No. 1	1	1	1	1	4	1	4	4	1	1
ASTM Oil, No. 2	4	1	1	1	4	2	4	4	1	2
ASTM Oil, No. 3	3	1	1	1	4	4	4	4	1	2
ASTM Oil, No. 4	4	2	1	2	4	4	4	4	2	4
ASTM Oil, No. 5	X	X	1	1	4	2	X	X	X	X
ASTM Reference Fuel A	4	1	1	1	4	2	4	4	2	1

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ASTM Reference Fuel B	4	1	1	1	4	4	4	4	4	2
ASTM Reference Fuel C	4	2	1	2	4	4	4	4	4	4
ASTM Reference Fuel D	X	X	1	2	4	4	X	X	X	X
ATL-857	4	2	1	2	4	4	4	4	2	4
Atlantic Dominion F	4	1	1	1	4	2	4	4	1	2
Atlantic Utro Gear-e	X	X	1	1	4	2	X	X	X	X
Atlantic Utro Gear-EP Lube	4	1	1	1	4	2	4	4	1	1
Aure 903R (Mobil)	4	4	1	1	4	2	4	4	1	1
AUREX 256	X	X	X	X	X	X	X	X	X	X
Automatic Transmission Fluid	4	X	1	1	4	2	4	4	1	2
Automotive Brake Fluid	3	4	4	3	1	2	1	2	4	4
AXAREL 9100	X	X	X	X	X	X	X	X	X	X
Azobenzene	X	X	X	X	X	X	X	X	X	X
Bardol B	4	2	1	4	4	4	4	4	4	4
Barium Carbonate	2	1	3	3	1	1	1	1	4	4
Barium Chlorate	2	1	3	3	1	1	1	1	4	4
Barium Chloride	1	1	1	1	1	1	1	1	1	1
Barium Cyanide	1	1	1	1	1	1	1	1	1	1
Barium Hydroxide	1	1	1	1	1	1	1	1	4	4
Barium Iodide	1	1	1	1	1	1	1	1	1	1
Barium Nitrate	2	1	3	3	1	1	1	1	4	4
Barium Oxide	1	1	1	1	1	1	1	1	4	4
Barium Peroxide	2	1	3	3	1	1	1	1	4	4
Barium Polysulfide	2	1	3	3	1	1	1	1	4	4
Barium Salts	1	1	1	1	1	1	1	1	1	1
Barium Sulfate	X	X	1	1	1	1	X	X	X	X
Barium Sulfide	1	1	1	1	1	1	2	1	4	1
Bayol 35	4	1	1	1	4	2	4	4	1	2
Bayol D	4	1	1	1	4	2	4	4	1	4
Beer	1	1	1	1	1	1	1	1	4	2
Beet Sugar Liquids	X	X	1	1	1	1	X	X	X	X
Beet Sugar Liquors	1	1	1	1	1	2	1	1	4	4



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Benzaldehyde	2	4	4	4	1	4	4	1	4	4
Benzaldehyde Disulfonic Acid	X	X	X	X	X	X	X	X	X	X
Benzamide	X	2	1	2	4	4	4	4	4	3
Benzanthrone	X	2	1	2	4	4	4	4	4	3
Benzene	4	3	1	4	4	4	4	4	4	4
Benzene Hexachloride	X	X	X	X	X	X	X	X	X	X
Benzenesulfonic Acid 10%	4	2	1	4	4	2	4	4	4	4
Benzidine	X	2	1	2	4	4	4	4	4	3
Benzidine 3 Sulfonic Acid	X	2	1	2	4	4	4	4	4	3
Benzil	X	2	1	2	4	4	4	4	4	3
Benzilic Acid	X	2	1	2	4	4	4	4	4	3
Benzine (Ligroin)	4	1	1	1	4	2	4	4	1	2
Benzocatechol	X	2	1	2	4	4	4	4	4	3
Benzochloride	X	1	1	4	1	4	4	2	4	X
Benzoic Acid	4	2	1	4	4	4	4	4	4	4
Benzoin	X	2	1	2	4	4	4	4	4	3
Benzonitrile	2	1	3	3	1	1	1	1	4	4
Benzophenone	X	1	1	X	2	X	4	2	4	4
Benzoquinone	X	X	1	X	2	X	4	2	4	4
Benzotrichloride	X	X	1	4	1	4	X	X	X	X
Benzotrifluoride	X	X	1	4	1	4	X	X	X	X
Benzoyl Chloride	X	2	1	X	X	4	4	4	4	3
Benzoyl Peroxide	X	X	X	X	X	X	X	X	X	X
Benzoylsulfonic Acid	X	2	1	2	4	4	4	4	4	3
Benzyl Acetate	2	1	3	3	1	1	1	1	4	4
Benzyl Alcohol	2	2	1	4	2	2	4	2	4	4
Benzyl Amine	X	X	X	X	X	X	X	X	X	X
Benzyl Benzoate	4	1	1	4	4	4	4	2	4	4
Benzyl Bromide	4	1	1	4	4	4	4	4	4	4
Benzyl Butyl Phthalate	2	1	3	3	1	1	1	1	4	4
Benzyl Chloride	4	1	1	4	4	4	4	4	4	4
Benzyl Phenol	X	2	1	2	4	4	4	4	4	3

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Benzyl Salicylate	X	2	1	2	4	4	4	4	4	3
Beryllium Chloride	3	3	1	1	1	3	3	1	3	3
Beryllium Fluoride	3	3	1	1	1	3	3	1	3	3
Beryllium Oxide	3	3	1	1	1	3	3	1	3	3
Beryllium Sulfate	2	1	3	3	1	1	1	1	4	4
Bismuth Carbonate	2	1	3	3	1	1	1	1	4	4
Bismuth Nitrate	2	1	3	3	1	1	1	1	4	4
Bismuth Oxychloride	2	1	3	3	1	1	1	1	4	4
Bittern	X	X	X	X	X	X	X	X	X	X
Black Liquor	X	X	1	2	1	1	X	X	X	X
Black Point 77	3	3	1	1	1	3	3	1	3	3
Blast Furnace Gas	1	2	1	4	4	4	4	4	4	4
Bleach Liquor	2	2	1	3	1	2	3	1	4	4
Bleach Solutions	X	X	1	X	1	X	X	X	X	X
Borax	2	2	1	2	1	4	2	1	2	1
Borax Solutions	X	X	1	X	1	X	X	X	X	X
Bordeaux Mixture	2	2	1	2	1	2	2	1	4	4
Boric Acid	1	1	1	1	1	1	1	1	4	1
Boric Oxide	2	1	3	3	1	1	1	1	4	4
Borneol	X	2	1	2	4	4	4	4	4	3
Bornyl Acetate	X	2	1	2	4	4	4	4	4	3
Bornyl Chloride	X	2	1	2	4	4	4	4	4	3
Bornyl Formate	X	2	1	2	4	4	4	4	4	3
Boron Fluids (HEF)	4	2	1	2	4	4	4	4	4	4
Boron Hydride	X	X	X	X	X	X	X	X	X	X
Boron Phosphate	X	X	X	X	X	X	X	X	X	X
Boron Tribromide	X	X	X	X	X	X	X	X	X	X
Boron Trichloride	X	X	X	X	X	X	X	X	X	X
Boron Trifluoride	X	X	X	X	X	X	X	X	X	X
Boron Trioxide	X	X	X	X	X	X	X	X	X	X
Brake Fluid DOT3 (Glycol Type)	3	4	4	3	1	2	1	2	X	4
Bray GG-130	4	2	1	2	4	4	4	4	2	4

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Brayco 719-R (VV-H-910)	2	2	4	3	1	2	X	2	4	4
Brayco 885 (MIL-L-6085A)	4	2	1	2	4	4	4	4	2	1
Brayco 910	4	4	4	2	1	2	2	1	3	3
Bret 710	4	4	4	2	1	2	2	1	3	3
Brine	X	X	1	1	1	X	X	X	X	X
Brine (Seawater)	X	X	1	1	1	4	X	X	X	X
Brom - 113	4	X	X	3	4	4	4	4	X	X
Brom - 114	4	X	2	2	4	2	4	4	X	X
Bromic Acid	2	1	3	3	1	1	1	1	4	4
Bromine	4	2	1	4	4	4	4	4	4	4
Bromine Pentafluoride	4	4	4	4	4	4	4	4	4	4
Bromine Trifluoride	4	4	4	4	4	4	4	4	4	4
Bromine Water	4	2	1	4	2	4	4	4	4	4
Bromobenzene	4	1	1	4	4	4	4	4	4	4
Bromobenzene Cyanide	2	1	3	3	1	1	1	1	4	4
Bromochlorotrifluoroethane (Halothane)	4	2	1	4	4	4	4	4	4	4
Bromoform	X	2	1	2	4	4	4	4	4	3
Bromomethane (Methyl Bromide)	X	1	1	2	4	4	4	4	3	X
Bromotrifluoroethylene (BFE)	X	X	X	X	X	X	X	X	X	X
Bromotrifluoromethane (F-13B1)	X	X	X	X	X	X	X	X	X	X
Brucine Sulfate	2	1	3	3	1	1	1	1	4	4
Buffered Oxide Etchants	X	X	X	X	X	X	X	X	X	X
Bunker Oil	2	1	1	1	4	4	4	4	1	2
Bunker's "C" (Fuel Oil)	X	X	1	1	X	X	X	X	X	X
Butadiene (Monomer)	4	1	1	4	4	4	4	4	4	4
Butane	4	3	1	1	4	1	3	4	1	1
Butane, 2, 2-Dimethyl	4	3	1	1	4	2	3	4	1	4
Butane, 2, 3-Dimethyl	4	3	1	1	4	2	3	4	1	4
Butanedial	2	1	3	3	1	1	1	1	4	4
Butanol (Butyl Alcohol)	2	1	1	1	2	1	1	2	4	4

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Butene 2-Ethyl (1-Butene 2-Ethyl)	4	3	1	1	4	4	4	4	1	4
Butter-Animal Fat	2	1	1	1	1	2	4	2	1	1
Butyl Acetate or n-Butyl Acetate	X	4	4	4	2	4	4	4	4	2
Butyl Acetyl Ricinoleate	X	2	1	2	1	2	4	1	X	4
Butyl Acrylate	2	4	4	4	1	4	4	4	4	X
Butyl Alcohol	2	1	1	1	2	1	1	2	4	4
Butyl Alcohol (Secondary)	2	2	1	2	2	2	2	2	4	4
Butyl Alcohol (Tertiary)	2	2	1	2	2	2	2	2	4	4
Butyl Amine or N-Butyl Amine	4	4	4	1	3	4	4	4	4	4
Butyl Benzoate	2	1	3	3	1	1	1	1	4	4
Butyl Benzoate or n-Butyl Benzoate	X	X	1	4	1	2	4	4	X	1
Butyl Benzolate	X	X	X	X	X	X	X	X	X	X
Butyl Butyrate or n-Butyl Butyrate	X	X	1	4	1	4	4	4	X	1
Butyl Carbitol	4	4	3	4	1	3	4	1	4	X
Butyl Cellosolve	X	4	4	3	2	3	4	2	4	4
Butyl Cellosolve Acetate	2	1	3	3	1	1	1	1	4	4
Butyl Cellosolve Adipate	2	2	2	4	2	4	4	2	4	4
Butyl Chloride	2	1	1	1	4	2	4	4	1	1
Butyl Ether or n-Butyl Ether	X	4	4	3	3	4	4	4	3	3
Butyl Glycolate	2	1	3	3	1	1	1	1	4	4
Butyl Lactate	2	1	3	3	1	1	1	1	4	4
Butyl Laurate	2	1	3	3	1	1	1	1	4	4
Butyl Mercaptan (Tertiary)	X	4	1	4	4	4	4	4	4	4
Butyl Methacrylate	2	1	3	3	1	1	1	1	4	4
Butyl Oleate	X	2	1	4	2	4	4	2	X	X
Butyl Oxalate	2	1	3	3	1	1	1	1	4	4
Butyl Stearate	X	2	1	2	4	4	4	4	X	X
Butylbenzoic Acid	X	2	1	2	4	4	4	4	4	3
Butylene	4	2	1	2	4	3	4	4	4	4

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Butyraldehyde	4	4	4	4	2	4	4	2	4	4
Butyric Acid	X	X	2	4	2	4	4	2	4	X
Butyric Anhydride	2	1	3	3	1	1	1	1	4	4
Butyrolactone	2	1	3	3	1	1	1	1	4	4
Butyryl Chloride	X	2	1	2	4	4	4	4	4	3
Cadmium Chloride	2	1	3	3	1	1	1	1	4	4
Cadmium Cyanide	2	1	3	3	1	1	1	1	4	4
Cadmium Nitrate	2	1	3	3	1	1	1	1	4	4
Cadmium Oxide	2	1	3	3	1	1	1	1	4	4
Cadmium Sulfate	2	1	3	3	1	1	1	1	4	4
Cadmium Sulfide	2	1	3	3	1	1	1	1	4	4
Calcine Liquors	X	1	1	1	1	X	X	1	4	4
Calcium Acetate	4	4	4	2	1	2	4	1	4	4
Calcium Arsenate	2	1	3	3	1	1	1	1	4	4
Calcium Benzoate	X	2	1	2	4	4	4	4	4	3
Calcium Bicarbonate	2	1	3	3	1	1	1	1	4	4
Calcium Bisulfide	2	1	3	3	1	1	1	1	4	4
Calcium Bisulfite	3	3	2	2	1	2	2	1	3	3
Calcium Bromide	1	1	1	1	1	1	1	1	1	1
Calcium Carbide	X	X	X	X	X	X	X	X	X	X
Calcium Carbonate	1	1	1	1	1	1	1	1	3	3
Calcium Chlorate	2	1	3	3	1	1	1	1	4	4
Calcium Chloride	1	1	1	1	1	1	1	1	1	1
Calcium Chromate	2	1	3	3	1	1	1	1	4	4
Calcium Cyanamide	X	X	X	X	X	X	X	X	X	X
Calcium Cyanide	1	X	X	1	1	1	1	1	X	X
Calcium Fluoride	1	1	1	1	1	1	1	1	1	1
Calcium Gluconate	2	1	3	3	1	1	1	1	4	4
Calcium Hydride	1	1	1	1	1	1	1	1	1	1
Calcium Hydrosulfide	2	1	3	3	1	1	1	1	4	4
Calcium Hydroxide	1	1	1	1	1	1	1	1	4	2
Calcium Hypochlorite	2	2	1	2	1	2	2	1	4	4

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Calcium Hypophosphite	2	1	3	3	1	1	1	1	4	4
Calcium Lactate	2	1	3	3	1	1	1	1	4	4
Calcium Naphthenate	X	X	X	X	X	X	X	X	X	X
Calcium Nitrate	2	1	1	1	1	1	1	1	1	1
Calcium Oxalate	2	1	3	3	1	1	1	1	4	4
Calcium Oxide	1	1	1	1	1	1	1	1	1	1
Calcium Permanganate	X	X	X	X	X	X	X	X	X	X
Calcium Peroxide	X	X	X	X	X	X	X	X	X	X
Calcium Phenolsulfonate	2	1	3	3	1	1	1	1	4	4
Calcium Phosphate	1	X	1	1	1	2	1	1	1	1
Calcium Phosphate Acid	2	1	3	3	1	1	1	1	4	4
Calcium Propionate	2	1	3	3	1	1	1	1	4	4
Calcium Pyridine Sulfonate	X	X	X	X	X	X	X	X	X	X
Calcium Salts	2	1	1	1	1	1	1	1	1	1
Calcium Silicate	X	X	1	1	1	1	1	1	X	X
Calcium Stearate	X	2	1	2	4	4	4	4	4	3
Calcium Sulfamate	X	2	1	2	4	4	4	4	4	3
Calcium Sulfate	2	1	3	3	1	1	1	1	4	4
Calcium Sulfide	1	1	1	1	1	1	2	1	4	1
Calcium Sulfite	1	1	1	1	1	1	2	1	4	1
Calcium Thiocyanate	2	1	3	3	1	1	1	1	4	4
Calcium Thiosulfate	1	1	1	2	1	1	2	1	4	1
Calcium Tungstate	2	1	3	3	1	1	1	1	4	4
Caliche Liquors	2	1	1	1	1	1	1	1	1	1
Camphene	X	2	1	2	4	4	4	4	4	3
Camphor	X	2	1	2	4	4	4	4	4	3
Camphoric Acid	X	2	1	2	4	4	4	4	4	3
Cane Sugar Liquors	1	1	1	1	1	1	1	1	4	4
Capric Acid	2	1	1	1	4	2	4	4	1	1
Caproic Acid	2	1	1	1	4	2	4	4	1	1
Caproic Aldehyde	2	4	4	X	2	X	X	2	4	4
Caprolactam	2	1	1	1	4	2	4	4	1	1

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Capronaldehyde	2	1	1	1	4	2	4	4	1	1
Carbamate	X	1	1	3	2	2	4	2	4	4
Carbazole	X	X	X	X	X	X	X	X	X	X
Carbitol	2	2	2	2	2	2	2	2	4	4
Carbolic Acid (Phenol)	4	1	1	4	2	4	4	2	4	3
Carbon Bisulfide	4	1	1	4	4	4	4	4	3	X
Carbon Dioxide	1	1	1	1	1	1	1	1	1	1
Carbon Dioxide (Explosive Decompression Use)	1	1	1	1	1	1	1	1	1	1
Carbon Disulfide	4	1	1	4	4	4	4	4	3	X
Carbon Fluorides	4	2	1	2	4	4	4	4	4	4
Carbon Monoxide	1	2	1	1	1	2	2	1	X	1
Carbon Tetrabromide	X	X	X	X	X	X	X	X	X	X
Carbon Tetrachloride	4	2	1	2	4	4	4	4	4	4
Carbon Tetrafluoride	4	2	1	2	4	4	4	4	4	4
Carbonic Acid	1	1	1	2	1	1	2	1	1	1
Casein	2	1	3	3	1	1	1	1	4	4
Castor Oil	1	1	1	1	2	1	1	2	1	1
Caustic Lime	2	1	3	3	1	1	1	1	4	4
Caustic Potash	2	1	3	3	1	1	1	1	4	4
Caustic Soda (Sodium Hydroxide)	2	1	3	3	1	1	1	1	4	4
Cellosolve	4	4	4	4	2	4	4	2	4	4
Cellosolve, Acetate	4	4	4	4	2	4	4	2	4	4
Cellosolve, Butyl	4	4	4	4	2	4	4	2	4	4
Cellugard	1	1	1	1	1	1	1	1	3	4
Cellulose Acetate	2	1	3	3	1	1	1	1	4	4
Cellulose Acetate Butyrate	2	1	3	3	1	1	1	1	4	4
Cellulose Ether	2	1	3	3	1	1	1	1	4	4
Cellulose Nitrate	2	1	3	3	1	1	1	1	4	4
Cellulose Tripropionate	2	1	3	3	1	1	1	1	4	4
Cellulube (Phosphate Esters)	X	X	X	X	X	X	X	X	X	X
Cellutherm 2505A	4	2	1	2	4	4	4	4	2	4

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Cerium Sulfate	2	1	3	3	1	1	1	1	4	4
Cerous Chloride	2	1	3	3	1	1	1	1	4	4
Cerous Fluoride	2	1	3	3	1	1	1	1	4	4
Cerous Nitrate	2	1	3	3	1	1	1	1	4	4
Cetane (Hexadecane)	4	3	1	1	4	2	4	4	1	4
Cetyl Alcohol	2	1	1	1	4	2	4	4	1	1
Chaulmoogric Acid	X	X	X	X	X	X	X	X	X	X
China Wood Oil (Tung Oil)	4	2	1	1	4	2	4	3	X	3
Chloral	2	1	3	3	1	1	1	1	4	4
Chloramine	X	X	X	X	X	X	X	X	X	X
Chloranthraquinone	X	2	1	2	4	4	4	4	4	3
Chlordane	4	2	1	2	4	3	4	4	X	X
Chlorextol	4	2	1	2	4	2	4	4	2	4
Chloric Acid	2	1	3	3	1	1	1	1	4	4
Chlorinated Solvents, Dry	4	1	1	4	4	4	4	4	4	4
Chlorinated Solvents, Wet	4	1	1	4	4	4	4	4	4	4
Chlorine (Dry)	X	2	1	2	4	4	4	4	4	3
Chlorine (Plasma)	X	X	X	X	X	X	X	X	X	X
Chlorine (Wet)	X	X	X	X	X	X	X	X	X	X
Chlorine Dioxide	X	2	1	4	3	4	4	3	4	4
Chlorine Dioxide, 8% Cl as NaClO2 in solution	X	2	1	4	4	4	4	4	4	4
Chlorine Trifluoride	4	4	4	4	4	4	4	4	4	4
Chlorine Water	X	X	1	3	2	4	X	X	X	X
Chloro 1-Nitro Ethane (1-Chloro 1-Nitro Ethane)	4	4	4	4	4	4	4	4	4	4
Chloro Oxyfluorides	X	X	X	X	X	X	X	X	X	X
Chloro Xylenols	X	2	1	2	4	4	4	4	4	3
Chloroacetaldehyde	2	1	3	3	1	1	1	1	4	4
Chloroacetic Acid	X	4	4	4	2	4	4	2	4	4
Chloroacetone	4	4	4	4	1	4	4	2	4	4
Chloroacetyl Chloride	X	X	X	X	X	X	X	X	X	X
Chloroamino Benzoic Acid	2	1	3	3	1	1	1	1	4	4



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Chloroaniline	2	1	3	3	1	1	1	1	4	4
Chlorobenzaldehyde	2	1	3	3	1	1	1	1	4	4
Chlorobenzene	4	2	1	4	4	4	4	4	4	4
Chlorobenzene (Mono)	4	2	1	4	4	4	4	4	4	4
Chlorobenzene Chloride	X	2	1	2	4	4	4	4	4	3
Chlorobenzene Trifluoride	X	2	1	2	4	4	4	4	4	3
Chlorobenzochloride	X	2	1	2	4	4	4	4	4	3
Chlorobenzotrifluoride	X	2	1	2	4	4	4	4	4	3
Chlorobromo Methane	4	2	1	4	2	4	4	2	4	4
Chlorobromopropane	X	2	1	2	4	4	4	4	4	3
Chlorobutadiene	4	2	1	4	4	4	4	4	4	4
Chlorobutane (Butyl Chloride)	2	1	1	1	4	2	4	4	1	1
Chlorododecane	4	1	1	4	4	4	4	4	4	4
Chloroethane	2	1	1	1	4	2	4	4	1	1
Chloroethane Sulfonic Acid	2	1	3	3	1	1	1	1	4	4
Chloroethylbenzene	X	2	1	2	4	4	4	4	4	3
Chloroform	4	4	1	4	4	4	4	4	4	4
Chlorohydrin	2	1	3	3	1	1	1	1	4	4
Chloronaphthalene or o-Chloronaphthalene	4	2	1	4	4	4	4	4	4	4
Chloronitrobenzene	2	1	3	3	1	1	1	1	4	4
Chlorophenol or o-Chlorophenol	4	2	1	4	4	4	4	4	4	4
Chloropicrin	X	2	1	2	4	4	4	4	4	3
Chloroprene	X	2	1	2	4	4	4	4	4	3
Chlorosilanes	X	X	X	X	X	X	X	X	X	X
Chlorosulfonic Acid	4	4	4	4	4	4	4	4	4	4
Chlorotoluene	4	2	1	4	4	4	4	4	4	4
Chlorotoluene Sulfonic Acid	2	1	3	3	1	1	1	1	4	4
Chlorotoluidine	X	2	1	2	4	4	4	4	4	3
Chlorotrifluoroethylene (CTFE)	X	X	X	X	X	X	X	X	X	X
Chlorox	X	1	1	2	2	2	4	2	4	4

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Chloroxylols	X	X	X	X	X	X	X	X	X	X
Cholesterol	X	2	1	2	4	4	4	4	4	3
Chrome Alum	1	X	1	1	1	1	1	1	4	X
Chrome Plating Solutions	2	2	1	4	2	4	4	2	4	4
Chromic Acid	X	2	1	4	2	4	4	4	4	3
Chromic Chloride	X	X	X	X	X	X	X	X	X	X
Chromic Fluorides	X	X	X	X	X	X	X	X	X	X
Chromic Hydroxide	X	X	X	X	X	X	X	X	X	X
Chromic Nitrates	X	X	X	X	X	X	X	X	X	X
Chromic Oxide	X	X	1	4	2	4	X	X	X	X
Chromic Phosphate	X	X	X	X	X	X	X	X	X	X
Chromic Sulfate	X	X	X	X	X	X	X	X	X	X
Chromium Potassium Sulfate (Alum)	X	X	1	2	2	X	X	X	X	X
Chromyl Chlorides	X	X	X	X	X	X	X	X	X	X
Cinnamic Acid	X	2	1	2	4	4	4	4	4	3
Cinnamic Alcohol	X	2	1	2	4	4	4	4	4	3
Cinnamic Aldehyde	X	2	1	2	4	4	4	4	4	3
Circo Light Process Oil	4	1	1	1	4	2	4	4	1	1
Citric Acid	1	1	1	1	1	1	1	1	X	1
City Service #65 #120 #250	4	1	1	1	4	2	4	4	1	2
City Service Koolmoter-AP Gear Oil 140-EP Lube	4	1	1	1	4	2	4	4	1	1
City Service Pacemaker #2	4	1	1	1	4	2	4	4	1	2
Clorox	X	X	1	2	2	X	X	X	X	X
Coal Tar	X	X	1	1	X	X	X	X	X	X
Cobalt Chloride	2	1	1	1	1	1	1	1	1	1
Cobalt Chloride, 2N	1	1	1	1	1	1	1	1	4	4
Cobaltous Acetate	2	1	3	3	1	1	1	1	4	4
Cobaltous Bromide	1	1	1	1	1	1	1	1	4	4
Cobaltous Linoleate	X	X	X	X	X	X	X	X	X	X
Cobaltous Naphthenate	X	X	X	X	X	X	X	X	X	X
Cobaltous Sulfate	2	1	3	3	1	1	1	1	4	4

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Coconut Oil	1	1	1	1	3	3	4	3	1	3
Cod Liver Oil	2	1	1	1	1	2	4	1	1	1
Codeine	X	2	1	2	4	4	4	4	4	3
Coffee	1	1	1	1	1	1	1	1	4	4
Coke Oven Gas	2	2	1	4	4	4	4	4	4	4
Coliche Liquors	X	X	X	2	2	1	2	2	X	X
Convelex 10	4	X	X	4	X	4	4	4	X	2
Coolanol 20 25R 35R 40& 45A (Monsanto)	4	1	1	1	3	2	4	4	4	1
Copper Acetate	4	4	4	2	1	2	4	1	4	4
Copper Ammonium Acetate	2	1	3	3	1	1	1	1	4	4
Copper Carbonate	2	1	3	3	1	1	1	1	4	4
Copper Chloride	1	1	1	1	1	2	1	1	1	1
Copper Cyanide	1	1	1	1	1	1	1	1	1	1
Copper Gluconate	2	1	3	3	1	1	1	1	4	4
Copper Naphthenate	X	X	X	X	X	X	X	X	X	X
Copper Nitrate	X	X	1	2	2	X	X	X	X	X
Copper Oxide	1	1	1	1	1	1	1	1	1	1
Copper Salts	1	1	1	1	1	1	1	1	1	1
Copper Sulfate	1	1	1	1	1	1	2	2	4	1
Copper Sulfate 10%	1	1	1	1	1	1	2	2	4	2
Copper Sulfate 50%	1	1	1	1	1	1	2	2	4	3
Corn Oil	1	1	1	1	3	3	4	3	1	1
Cottonseed Oil	1	2	1	1	3	3	4	3	1	1
Creosote, Coal Tar	4	1	1	1	4	2	4	4	1	3
Creosote, Wood	4	1	1	1	4	2	4	4	1	3
Cresol (Methyl Phenol)	X	X	1	X	X	X	X	X	X	X
Cresols	4	X	2	4	4	4	4	4	4	X
Cresylic Acid	4	X	1	4	4	4	4	4	4	4
Crotonaldehyde	X	2	1	2	4	4	4	4	4	3
Crotonic Acid	X	2	1	2	4	4	4	4	4	3
Crude Oil	4	2	1	2	4	4	4	4	1	X

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Cumaldehyde	X	2	1	2	4	4	4	4	4	3
Cumene	4	2	1	4	4	4	4	4	4	4
Cumene Hydroperoxide	X	X	X	X	X	X	X	X	X	X
Cupric Sulfate	X	X	1	2	2	X	X	X	X	X
Cutting Oil	4	1	1	1	4	2	4	4	1	1
Cyanamide	X	X	X	X	X	X	X	X	X	X
Cyanides	X	X	X	X	X	X	X	X	X	X
Cyanogen Chloride	X	X	X	X	X	X	X	X	X	X
Cyanogen Gas	X	X	X	X	X	X	X	X	X	X
Cyanohydrin	X	X	X	X	X	X	X	X	X	X
Cyanuric Chloride	X	X	X	X	X	X	X	X	X	X
Cyclohexane	4	1	1	1	4	3	4	4	2	1
Cyclohexanol	4	1	1	1	4	2	4	4	X	X
Cyclohexanone	4	4	4	4	2	4	4	2	4	4
Cyclohexene	X	2	1	2	4	4	4	4	4	3
Cyclohexylamine	2	1	1	1	4	2	4	4	1	1
Cyclohexylamine Carbonate	X	X	X	X	X	X	X	X	X	X
Cyclohexylamine Laurate	2	1	1	1	4	2	4	4	1	1
Cyclopentadiene	X	2	1	2	4	4	4	4	4	3
Cyclopentane	4	1	1	1	4	3	4	4	2	1
Cyclopolyolefins	4	1	1	1	4	3	4	4	2	1
Cymene or p-Cymene	4	2	1	4	4	4	4	4	4	4
DDT (Dichlorodiphenyltrichloroethane)	X	2	1	2	4	4	4	4	4	3
Decalin	4	1	1	4	4	4	4	4	X	X
Decane	2	1	1	1	4	3	4	4	1	2
Delco Brake Fluid	3	4	4	3	1	2	1	2	X	X
Denatured Alcohol	1	1	1	1	1	1	1	1	4	4
Detergent, Water Solution	1	1	1	1	1	2	2	1	4	4
Developing Fluids (Photo)	1	1	1	1	2	1	2	2	X	X
Dexron	4	2	1	1	4	2	4	4	1	2

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Dextrin	2	1	1	1	4	2	4	4	1	1
Dextro Lactic Acid	2	1	3	3	1	1	1	1	4	4
Dextron	X	X	1	1	4	2	X	X	X	X
Dextrose	2	1	3	3	1	1	1	1	4	4
DI Water	2	1	2	2	1	1	1	1	4	4
Diacetone	4	4	4	4	1	4	4	1	4	4
Diacetone Alcohol	4	4	4	4	1	2	4	1	4	4
Dialkyl Sulfates	2	1	3	3	1	1	1	1	4	4
Diallyl Ether	X	X	X	X	X	X	X	X	X	X
Diallyl Phthalate	X	X	X	X	X	X	X	X	X	X
Diamylamine	2	1	1	1	4	2	4	4	1	1
Diazinon	4	2	2	3	4	3	4	4	X	X
Dibenzyl (sym-Diphenylethane)	X	2	1	2	4	4	4	4	4	3
Dibenzyl Ether	X	X	4	4	2	4	4	2	X	2
Dibenzyl Sebacate	3	3	2	4	2	4	4	2	4	2
Diborane	X	X	X	X	X	X	X	X	X	X
Dibromoethane	X	2	1	2	4	4	4	4	4	3
Dibromoethyl Benzene	4	2	1	4	4	4	4	4	4	4
Dibutyl Cellosolve Adipate	2	1	3	3	1	1	1	1	4	4
Dibutyl Ether	4	3	3	4	3	4	4	3	3	2
Dibutyl Methylene-dithio Glycolate	X	2	1	2	4	4	4	4	4	3
Dibutyl Phthalate	2	3	3	4	2	4	4	3	4	3
Dibutyl Sebacate	2	2	2	4	2	4	4	2	4	4
Dibutyl Thioglycolate	X	2	1	2	4	4	4	4	4	3
Dibutyl Thiourea	X	2	1	2	4	4	4	4	4	3
Dibutylamine	3	4	4	4	1	3	4	4	4	4
Dichloroacetic Acid	X	2	1	2	4	4	4	4	4	3
Dichloroaniline	2	1	3	3	1	1	1	1	4	4
Dichlorobenzene or o-Dichlorobenzene	X	4	1	4	4	4	4	4	4	4
Dichlorobenzene or p-Dichlorobenzene	X	4	1	4	4	4	4	4	4	4





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Diocetyl Phthalate	3	2	2	4	2	4	4	2	4	4
Diocetyl Sebacate	3	3	2	4	2	4	4	2	4	2
Diocetylamine	2	1	1	1	4	2	4	4	1	1
Dioxane	4	4	4	4	2	4	4	2	4	4
Dioxolane	4	4	4	4	2	4	4	3	4	4
Dipentene	4	2	1	2	4	4	4	4	4	4
Diphenyl	4	2	1	4	4	4	4	4	4	4
Diphenyl Oxides	3	2	1	4	4	4	4	4	4	4
Diphenylamine (DPA)	X	2	1	2	4	4	4	4	4	3
Diphenylene Oxide	X	X	X	X	X	X	X	X	X	X
Diphenylpropane	X	2	1	2	4	4	4	4	4	3
Disilane	X	X	X	X	X	X	X	X	X	X
Di-Tert-Butyl Peroxide	X	X	X	X	X	X	X	X	X	X
Dodecylbenzene	X	2	1	2	4	4	4	4	4	3
Dow Chemical 50-4	X	4	4	X	1	2	1	2	X	X
Dow Chemical ET378	4	X	X	4	X	4	4	4	3	2
Dow Chemical ET588	X	4	4	3	1	2	1	2	X	X
Dow Corning -11	2	1	1	2	1	1	1	1	1	1
Dow Corning 1208, 4050, 6620, F-60, XF-60	X	X	1	1	1	1	X	X	X	X
Dow Corning -1265 Fluorosilicone Fluid	1	3	1	2	1	1	1	1	1	1
Dow Corning -200	3	2	1	2	1	1	1	1	1	1
Dow Corning -220	X	X	1	1	1	1	X	X	X	X
Dow Corning -3	2	1	1	2	1	1	1	1	1	1
Dow Corning -33	3	2	1	2	1	1	1	1	1	1
Dow Corning -4	2	1	1	2	1	1	1	1	1	1
Dow Corning -44	3	2	1	2	1	1	1	1	1	1
Dow Corning -5	3	2	1	2	1	1	1	1	1	1
Dow Corning -510	3	2	1	2	1	1	1	1	1	1
Dow Corning -55	3	2	1	2	1	1	1	1	1	1
Dow Corning -550	3	2	1	2	1	1	1	1	1	1
Dow Corning -704	3	2	1	2	1	1	1	1	1	1



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Dow Corning -705	3	2	1	2	1	1	1	1	1	1
Dow Corning -710	3	2	1	2	1	1	1	1	1	1
Dow Corning F-61	X	X	1	1	1	1	X	X	X	X
Dow Guard	1	1	1	1	1	1	1	1	3	3
Dowanol P Mix	X	X	X	X	X	X	X	X	X	X
Dowtherm, 209	3	3	4	3	1	2	X	2	X	X
Dowtherm, A	4	2	1	4	4	4	4	4	4	4
Dowtherm, E	4	2	1	4	4	4	4	4	4	4
Drinking Water	1	1	1	1	1	2	1	1	4	4
Dry Cleaning Fluids	4	2	1	3	4	4	4	4	4	4
DTE 20 Series, Mobil	4	2	1	2	4	1	X	4	2	1
DTE named series, Mobil, light-heavy	3	1	1	1	4	2	4	4	X	1
Elco 28-EP lubricant	2	1	1	1	4	3	4	4	1	1
Epichlorohydrin	4	4	4	4	2	4	4	2	4	4
Epoxy Resins	X	X	4	X	1	1	X	1	X	X
Erucic Acid	X	X	X	X	X	X	X	X	X	X
Esam-6 Fluid	X	4	4	X	1	2	1	2	X	X
Esso Fuel 208	4	1	1	1	4	2	4	4	1	4
Esso Golden Gasoline	4	1	1	2	4	4	4	4	4	4
Esso Motor Oil	4	1	1	1	4	3	4	4	1	4
Esso Transmission Fluid (Type A)	4	1	1	1	4	2	4	4	1	3
Esso WS2812 (MIL-L-7808A)	4	1	1	1	4	4	4	4	2	4
Esso XP90-EP Lubricant	4	1	1	1	4	2	4	4	1	1
Esstic 42, 43	4	1	1	1	4	2	4	4	1	2
Ethane	4	3	1	1	4	2	4	4	1	3
Ethanol	2	1	3	3	1	1	1	1	4	4
Ethanol Amine	2	4	4	2	1	2	2	2	4	3
Ethers	4	3	3	4	3	4	4	4	3	2
Ethoxyethyl Acetate (EGMEEA)	2	1	3	3	1	1	1	1	4	4
Ethyl Acetate-Organic Ester	2	4	4	4	2	4	4	2	4	4

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Ethyl Acetoacetate	2	4	4	4	2	4	3	2	4	4
Ethyl Acrylate	2	4	4	4	2	4	4	2	4	4
Ethyl Alcohol	2	1	3	3	1	1	1	1	4	4
Ethyl Ammonium Dichloride	X	X	X	X	X	X	X	X	X	X
Ethyl Benzene	4	1	1	4	4	4	4	4	4	4
Ethyl Benzoate	4	1	1	4	4	4	4	4	4	4
Ethyl Bromide	X	1	1	2	4	4	X	4	X	X
Ethyl Cellosolve	4	4	4	4	2	4	4	2	4	4
Ethyl Cellulose	2	4	4	2	2	2	2	2	4	2
Ethyl Chloride	4	1	1	1	3	4	4	4	3	2
Ethyl Chlorocarbonate	4	2	1	4	2	4	4	4	4	4
Ethyl Chloroformate	4	4	4	4	2	4	4	3	4	4
Ethyl Ether	4	3	4	3	3	4	4	3	4	2
Ethyl Formate	X	1	1	4	2	2	4	2	X	X
Ethyl Hexanol	2	1	1	1	1	1	1	1	4	4
Ethyl Lactate	2	1	3	3	1	1	1	1	4	4
Ethyl Mercaptan	3	X	2	4	X	3	4	4	X	X
Ethyl Nitrite	2	1	3	3	1	1	1	1	4	4
Ethyl Oxalate	4	2	2	4	1	4	4	4	4	X
Ethyl Pentachlorobenzene	4	2	1	4	4	4	4	4	4	4
Ethyl Pyridine	X	2	1	2	4	4	4	4	4	3
Ethyl Silicate	X	1	1	1	1	1	2	1	X	X
Ethyl Stearate	X	2	1	2	4	4	4	4	4	3
Ethyl Sulfate	X	X	4	X	1	X	X	X	X	X
Ethyl Tertiary Butyl Ether	X	X	X	X	X	X	X	X	X	X
Ethyl Valerate	X	2	1	2	4	4	4	4	4	3
Ethylacrylic Acid	4	4	X	4	2	2	4	2	4	4
Ethylamine	2	1	3	3	1	1	1	1	4	4
Ethylcyclopentane	4	1	1	1	4	3	4	4	2	1
Ethylene	4	2	2	3	4	4	4	4	4	4
Ethylene Chloride	4	2	2	4	4	4	4	4	4	4
Ethylene Chlorohydrin	3	2	1	4	2	2	2	2	4	4



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Ferrous Iodide	2	1	3	3	1	1	1	1	4	4
Ferrous Sulfate	2	1	3	3	1	1	1	1	4	4
Ferrous Tartrate	2	1	3	3	1	1	1	1	4	4
Fish Oil	X	2	1	2	4	4	4	4	4	3
Fisher Reagent	X	X	X	X	2	X	X	X	X	X
Fluorinated Cyclic Ethers	X	X	X	X	1	X	X	X	X	X
Fluorine (Gas)	X	X	X	X	X	X	X	X	X	X
Fluorine (Liquid)	X	X	2	4	4	X	X	X	X	X
Fluorobenzene	X	2	1	2	4	4	4	4	4	3
Fluoroboric Acid	X	X	X	1	1	X	X	X	X	X
Fluorocarbon Oils	X	X	X	X	1	X	X	X	X	X
Fluoroform (Trifluoromethane)	X	X	X	X	X	X	X	X	X	X
Fluorolube	1	2	2	1	1	1	4	1	X	X
Fluorophosphoric Acid	X	X	X	X	X	X	X	X	X	X
Fluorosilicic Acid	X	X	2	1	2	1	X	X	X	X
Fluorosulfonic Acid	X	X	X	X	X	X	X	X	X	X
Formaldehyde	2	4	4	3	2	3	3	2	4	4
Formamide	2	1	3	3	1	1	1	1	4	4
Formic Acid	X	X	4	X	1	1	X	X	X	X
Freon, 11	4	2	2	4	4	4	4	4	4	X
Freon, 112 (Tetrachlorodifluoroethane)	4	X	1	2	4	2	4	4	X	X
Freon, 113	4	X	2	1	4	1	2	4	X	1
Freon, 113 + High and Low Aniline Oil	X	X	X	1	X	X	X	X	X	X
Freon, 114	4	X	1	1	1	1	1	1	X	X
Freon, 114B2	4	X	2	2	4	2	4	4	X	X
Freon, 115, 116	X	X	2	1	1	1	1	1	X	X
Freon, 12	4	3	3	2	3	1	1	3	X	1
Freon, 12 and ASTM Oil #2 (50/50 Mixture)	4	2	1	2	4	3	4	4	X	X
Freon, 12 and Suniso 4G (50/50 Mixture)	4	2	1	2	4	3	4	4	X	X

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Freon, 123 (Dichlorotrifluoroethane)	X	X	X	X	X	X	X	X	X	X
Freon, 124 (Chlorotetrafluoroethane)	X	X	X	X	X	X	X	X	X	X
Freon, 125 (Pentafluoroethane)	X	X	X	X	X	X	X	X	X	X
Freon, 13	4	4	1	1	1	1	1	1	X	X
Freon, 134a (Tetrafluoroethane)	X	X	X	X	X	X	X	X	X	X
Freon, 13B1	4	2	1	1	1	1	1	1	X	X
Freon, 14	4	X	1	1	1	1	1	1	X	1
Freon, 141b (Dichlorofluoroethane)	X	X	X	X	X	X	X	X	X	X
Freon, 142b	X	X	2	2	4	1	X	X	X	X
Freon, 152a (Difluoroethane)	X	X	X	X	X	X	X	X	X	X
Freon, 21	4	X	4	4	4	3	4	4	X	X
Freon, 218	X	X	1	1	1	X	X	X	X	X
Freon, 22 (Chlorodifluoroethane)	4	4	4	4	3	1	1	3	2	4
Freon, 22 and ASTM Oil #2 (50/50 Mixture)	4	2	2	4	4	2	4	4	2	X
Freon, 23 (Fluoroform)	X	X	X	X	X	X	X	X	X	X
Freon, 31	X	X	4	4	1	1	2	1	X	X
Freon, 32	X	X	4	1	1	1	1	1	X	X
Freon, 502	X	X	2	2	1	1	1	1	X	X
Freon, BF (R112)	4	X	1	2	4	2	4	4	X	X
Freon, C316	X	X	1	1	1	X	X	X	X	X
Freon, C318	X	X	2	1	1	1	1	1	X	X
Freon, K-142b	X	X	4	1	1	1	1	1	X	X
Freon, K-152a	X	X	4	1	1	1	1	1	X	X
Freon, MF (R11)	4	X	2	2	4	4	4	4	X	3
Freon, PCA (R113)	4	X	2	1	4	1	2	4	X	1
Freon, TA	X	X	3	1	2	X	X	X	X	X
Freon, TC	X	X	1	1	2	X	X	X	X	X
Freon, TF (R113)	4	X	2	1	4	1	2	4	X	1

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Freon, TMC	X	X	1	2	3	X	X	X	X	X
Freon, T-P35	X	X	1	1	1	X	X	X	X	X
Freon, T-WD602	X	X	1	2	2	X	X	X	X	X
Fuel Oil, #6	1	1	1	2	4	4	4	4	1	2
Fuel Oil, 1, and 2	4	1	1	1	4	2	4	4	1	2
Fuel Oil, Acidic	1	1	1	1	4	2	4	4	1	2
Fumaric Acid	2	1	1	1	2	2	2	4	4	X
Fuming Sulphuric Acid (20/25% Oleum)	4	X	1	4	4	4	4	4	4	4
Furaldehyde	X	X	4	4	2	4	X	X	X	X
Furan (Furfuran)	X	X	1	4	3	4	4	4	4	X
Furfural (Furfuraldehyde)	4	X	4	4	2	4	4	2	4	3
Furfuraldehyde	4	X	4	4	2	4	4	2	4	3
Furfuryl Alcohol	4	4	X	4	2	4	4	2	4	4
Furoic Acid	X	X	X	X	X	X	X	X	X	X
Furyl Carbinol	4	4	X	4	2	4	4	2	4	4
Fyrquel 150 220 300 550	1	2	1	4	1	4	4	1	4	4
Fyrquel 90, 100, 500	X	X	1	4	1	X	X	X	X	X
Fyrquel A60	X	X	4	4	2	4	X	X	X	X
Gallic Acid	X	1	1	2	2	2	2	2	4	4
Gasoline	4	1	1	1	4	4	4	4	4	2
Gelatin	1	1	1	1	1	1	1	1	4	4
Germane (Germanium Tetrahydride)	X	X	X	X	X	X	X	X	X	X
Girling Brake Fluid	X	4	4	3	1	2	1	2	X	X
Glauber's Salt	X	1	1	4	2	2	4	2	4	X
Gluconic Acid	2	1	3	3	1	1	1	1	4	4
Glucose	1	1	1	1	1	1	1	1	X	4
Glue	X	X	X	X	X	X	X	X	X	X
Glutamic Acid	2	1	3	3	1	1	1	1	4	4
Glycerine (Glycerol)	1	1	1	1	1	1	1	1	4	4
Glycerol Dichlorohydrin	2	1	3	3	1	1	1	1	4	4
Glycerol Monochlorohydrin	2	1	3	3	1	1	1	1	4	4

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Glycerol Triacetate	2	1	3	3	1	1	1	1	4	4
Glycerophosphoric Acid	2	1	3	3	1	1	1	1	4	4
Glyceryl Phosphate	2	1	3	3	1	1	1	1	4	4
Glycidol	2	1	3	3	1	1	1	1	4	4
Glycol Monoether	X	X	X	X	X	X	X	X	X	X
Glycolic Acid	2	1	3	3	1	1	1	1	4	4
Glycols	1	1	1	1	1	1	1	1	4	4
Glyoxylic Acid	2	1	3	3	1	1	1	1	4	4
Grease Petroleum Base	4	1	1	1	4	3	4	4	1	1
Green Sulfate Liquor	X	2	1	2	1	2	2	1	4	4
Gulf Endurance Oils	4	1	1	1	4	2	4	4	1	1
Gulf FR Fluids (Emulsion)	4	1	1	1	4	2	4	4	1	1
Gulf FR G-Fluids	1	1	1	1	1	1	1	1	4	2
Gulf FR P-Fluids	1	2	2	4	2	4	4	2	4	4
Gulf Harmony Oils	4	1	1	1	4	2	4	4	1	1
Gulf High Temperature Grease	4	1	1	1	4	2	4	4	1	1
Gulf Legion Oils	4	1	1	1	4	2	4	4	1	1
Gulf Paramount Oils	4	1	1	1	4	2	4	4	1	2
Gulf Security Oils	4	1	1	1	4	2	4	4	1	2
Gulfcrown Grease	4	1	1	1	4	2	4	4	1	1
Halothane	4	2	1	4	4	4	4	4	4	4
Halowax Oil	4	1	1	4	4	4	4	4	X	X
Hannifin Lube A	2	1	1	1	4	1	2	4	1	1
Heavy Water	1	1	X	1	1	2	1	1	4	4
HEF-2 (High Energy Fuel)	4	2	1	2	4	4	4	4	4	4
Helium	1	1	1	1	1	1	1	1	1	1
Heptachlor	X	2	1	2	4	4	4	4	4	3
Heptachlorobutene	X	2	1	2	4	4	4	4	4	3
Heptaldehyde (Heptanal)	2	1	1	1	4	2	4	4	1	1
Heptane or n-Heptane	4	3	1	1	4	2	4	4	1	2
Heptanoic Acid	2	1	1	1	4	2	4	4	1	1
Hexachloroacetone	2	1	3	3	1	1	1	1	4	4

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Hexachlorobutadiene	X	2	1	2	4	4	4	4	4	3
Hexachlorobutene	X	2	1	2	4	4	4	4	4	3
Hexachloroethane	X	2	1	2	4	4	4	4	4	3
Hexaethyl Tetraphosphate	X	X	X	X	X	X	X	X	X	X
Hexafluoroethane (F-116)	X	X	X	X	X	X	X	X	X	X
Hexafluoroxylene	X	X	X	X	X	X	X	X	X	X
Hexafluoroxylene	X	X	X	X	X	X	X	X	X	X
Hexaldehyde or n-Hexaldehyde	2	4	4	4	1	1	4	2	X	2
Hexamethyldisilazane	X	X	X	X	X	X	X	X	X	X
Hexamethylene (Cyclohexane)	2	1	1	1	4	2	4	4	1	1
Hexamethylene Diammonium Adipate	X	2	1	2	4	4	4	4	4	3
Hexamethylenediamine	2	1	3	3	1	1	1	1	4	4
Hexamethylenetetramine	2	1	3	3	1	1	1	1	4	4
Hexane or n-Hexane	4	3	1	1	4	2	4	4	1	2
Hexene-1 or n-Hexene-1	4	4	1	2	4	2	4	4	1	2
Hexone (Methyl Isobutyl Ketone)	2	1	3	3	1	1	1	1	4	4
Hexyl Acetate	2	1	1	1	4	2	4	4	1	1
Hexyl Alcohol	2	2	1	1	3	2	1	3	4	4
Hexylene Glycol	2	1	3	3	1	1	1	1	4	4
Hexylresorcinol	X	2	1	2	4	4	4	4	4	3
High Viscosity Lubricant, H2	1	2	1	1	1	2	1	1	4	4
High Viscosity Lubricant, U4	1	2	1	1	1	2	1	1	4	4
HiLo MS #1	3	3	4	4	1	4	4	2	4	4
Houghto-Safe 1010 phosphate ester	3	2	1	4	1	4	4	1	4	X
Houghto-Safe 1055 phosphate ester	3	2	1	4	1	4	4	1	4	X
Houghto-Safe 1120 phosphate ester	3	2	1	4	2	4	4	1	4	4
Houghto-Safe 271 (Water & Glycol Base)	2	2	2	1	1	2	1	2	4	4





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Hydrofluoric Acid (conc.) Hot	X	X	3	4	4	X	X	X	X	X
Hydrofluorosilicic Acid	4	4	1	2	1	2	2	1	X	X
Hydrogen Bromide (Anhydrous)	X	X	X	X	X	X	X	X	X	X
Hydrogen Chloride (Anhydrous)	X	X	X	X	X	X	X	X	X	X
Hydrogen Chloride gas	X	X	1	4	1	2	X	X	X	X
Hydrogen Cyanide	X	X	X	X	X	X	X	X	X	X
Hydrogen Fluoride	X	X	X	X	X	X	X	X	X	X
Hydrogen Fluoride (Anhydrous)	X	4	4	4	1	X	4	1	4	X
Hydrogen Gas, Cold	3	3	1	1	1	1	2	1	2	1
Hydrogen Gas, Hot	3	3	1	1	1	1	2	1	2	1
Hydrogen Iodide (Anhydrous)	X	X	X	X	X	X	X	X	X	X
Hydrogen Peroxide	1	1	1	2	1	1	2	1	4	X
Hydrogen Peroxide 90%	2	2	1	4	3	4	4	3	4	X
Hydrogen Selenide	X	X	X	X	X	X	X	X	X	X
Hydrogen Sulfide, Dry, Cold	3	3	4	1	1	1	1	1	4	X
Hydrogen Sulfide, Dry, Hot	3	3	4	4	1	2	4	1	4	X
Hydrogen Sulfide, Wet, Cold	3	3	4	4	1	1	4	1	4	X
Hydrogen Sulfide, Wet, Hot	3	3	4	4	1	2	4	1	4	X
Hydrolube-Water/Ethylene Glycol	2	2	1	1	1	2	1	2	4	4
Hydrooxycitronellal	X	2	1	X	X	4	4	4	4	3
Hydroquinol	X	X	1	4	4	4	X	X	X	X
Hydroquinone	X	2	2	3	2	4	4	4	4	X
Hydroxyacetic Acid	2	1	3	3	1	1	1	1	4	4
Hydyne	4	4	4	2	1	2	2	2	4	X
Hyjet	X	X	4	4	1	4	X	X	X	X
Hyjet IV and IVA	4	4	4	4	1	4	4	2	4	4
Hyjet S4	X	X	4	4	1	4	X	X	X	X
Hyjet W	X	X	4	4	1	4	X	X	X	X

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Hypochlorous Acid	X	X	1	4	2	4	4	2	4	X
Indole	X	2	1	X	X	4	4	4	4	3
Industron FF44	4	1	1	1	4	2	4	4	1	2
Industron FF48	4	1	1	1	4	2	4	4	1	2
Industron FF53	4	1	1	1	4	2	4	4	1	2
Industron FF80	4	1	1	1	4	2	4	4	1	2
Insulin	2	1	3	3	1	1	1	1	4	4
Iodic Acid	2	1	3	3	1	1	1	1	4	4
Iodine	X	1	1	2	2	4	2	2	X	X
Iodine Pentafluoride	4	4	4	4	4	4	4	4	4	4
Iodoform	X	2	1	X	4	4	4	4	4	3
Isoamyl Acetate	2	1	3	3	1	1	1	1	4	4
Isoamyl Butyrate	2	1	3	3	1	1	1	1	4	4
Isoamyl Valerate	2	1	3	3	1	1	1	1	4	4
Isoboreol	X	2	1	X	X	4	4	4	4	3
Isobutane	2	1	1	1	4	2	4	4	1	1
Isobutyl Acetate	2	1	3	3	1	1	1	1	4	4
Isobutyl Alcohol	1	2	1	2	1	1	2	1	4	4
Isobutyl Chloride	X	X	1	4	4	4	X	X	X	X
Isobutyl Ether	X	X	4	2	4	3	X	X	X	X
Isobutyl Methyl Ketone	2	1	3	3	1	1	1	1	4	4
Isobutyl n-Butyrate	X	1	1	4	1	4	4	1	4	X
Isobutyl Phosphate	2	1	3	3	1	1	1	1	4	4
Isobutylene	X	2	1	X	X	4	4	4	4	3
Isobutyraldehyde	X	X	4	3	2	3	X	X	X	X
Isobutyric Acid	2	X	4	1	2	4	X	X	X	X
Isocrotyl Chloride	X	2	1	X	X	4	4	4	4	3
Isodecanol	2	1	1	1	4	2	4	4	1	1
Isododecane	4	1	1	1	4	2	4	4	4	X
Isoeugenol	2	1	1	1	4	2	4	4	1	1
Isooctane	4	1	1	1	4	2	4	4	1	2
Isopentane	2	1	1	1	4	2	4	4	1	1



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Lead Acetate	4	4	4	2	1	2	4	1	4	4
Lead Arsenate	2	1	3	3	1	1	1	1	4	4
Lead Azide	X	X	X	X	X	X	X	X	X	X
Lead Bromide	2	1	3	3	1	1	1	1	4	4
Lead Carbonate	2	1	3	3	1	1	1	1	4	4
Lead Chloride	2	1	3	3	1	1	1	1	4	4
Lead Chromate	2	1	3	3	1	1	1	1	4	4
Lead Dioxide	2	1	3	3	1	1	1	1	4	4
Lead Linoleate	2	1	3	3	1	1	1	1	4	4
Lead Naphthenate	X	X	X	X	X	X	X	X	X	X
Lead Nitrate	2	1	X	1	1	1	1	1	X	X
Lead Oxide	2	1	3	3	1	1	1	1	4	4
Lead Sulfamate	2	1	1	2	1	1	2	1	4	X
Lehigh X1169	4	1	1	1	4	2	4	4	1	1
Lehigh X1170	4	1	1	1	4	2	4	4	1	1
Light Grease	X	X	1	1	4	4	X	X	X	X
Ligroin (Petroleum Ether or Benzene)	4	1	1	1	4	2	4	4	1	2
Lime Bleach	X	X	1	1	1	1	X	X	X	X
Lime Sulfur	X	2	1	X	X	4	4	4	4	3
Lindol, Hydraulic Fluid (Phosphate ester type)	3	3	2	4	1	4	4	1	4	4
Linoleic Acid	2	X	2	2	4	2	4	4	X	X
Linseed Oil	1	1	1	1	3	3	4	3	1	2
Liquid Oxygen (LOX)	4	4	4	4	4	4	4	4	4	4
Liquid Petroleum Gas (LPG)	3	3	1	1	4	2	4	4	3	1
Liquimoly	4	1	1	1	4	2	4	4	1	2
Lithium Bromide (Brine)	2	1	3	3	1	1	1	1	4	4
Lithium Carbonate	2	1	3	3	1	1	1	1	4	4
Lithium Chloride	2	1	3	3	1	1	1	1	4	4
Lithium Citrate	2	1	3	3	1	1	1	1	4	4
Lithium Hydroxide	2	1	3	3	1	1	1	1	4	4
Lithium Hypochlorite	2	1	3	3	1	1	1	1	4	4

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Lithium Nitrate	2	1	3	3	1	1	1	1	4	4
Lithium Nitrite	2	1	3	3	1	1	1	1	4	4
Lithium Perchlorate	2	1	3	3	1	1	1	1	4	4
Lithium Salicylate	2	1	3	3	1	1	1	1	4	4
Lithopone	2	1	3	3	1	1	1	1	4	4
Lubricating Oils (Crude & Refined)	X	X	1	2	4	3	X	X	X	X
Lubricating Oils (Synthetic base)	X	2	1	X	X	4	4	4	4	3
Lubricating Oils, Di-ester	4	2	1	2	4	3	4	4	2	X
Lubricating Oils, petroleum base	4	1	1	1	4	2	4	4	1	2
Lubricating Oils, SAE 10, 20, 30, 40, 50	4	1	1	1	4	2	4	4	1	2
Lye Solutions	2	2	2	2	1	2	2	1	4	4
Magnesium Chloride	1	1	1	1	1	1	1	1	X	1
Magnesium Hydroxide	X	X	1	2	1	2	2	1	4	4
Magnesium Salts	1	1	1	1	1	1	1	1	1	1
Magnesium Sulfite and Sulfate	1	1	1	1	1	1	2	1	4	X
Magnesium Trisilicate	X	X	X	X	X	X	X	X	X	X
Malathion	4	2	1	2	4	X	4	4	X	X
Maleic Acid	X	X	1	4	4	4	4	4	4	X
Maleic Anhydride	X	X	4	4	2	4	4	2	4	X
Maleic Hydrazide	2	1	3	3	1	1	1	1	4	4
Malic Acid	2	1	1	1	2	2	2	4	4	X
Mandelic Acid	2	1	3	3	1	1	1	1	4	4
Manganese Acetate	2	1	3	3	1	1	1	1	4	4
Manganese Carbonate	2	1	3	3	1	1	1	1	4	4
Manganese Chloride	2	1	3	3	1	1	1	1	4	4
Manganese Dioxide	2	1	3	3	1	1	1	1	4	4
Manganese Gluconate	2	1	3	3	1	1	1	1	4	4
Manganese Hypophosphite	2	1	3	3	1	1	1	1	4	4
Manganese Linoleate	2	1	3	3	1	1	1	1	4	4

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Manganese Naphthenate	X	X	X	X	X	X	X	X	X	X
Manganese Phosphate	2	1	3	3	1	1	1	1	4	4
Manganese Sulfate	2	1	3	3	1	1	1	1	4	4
Manganous Chloride	2	1	3	3	1	1	1	1	4	4
Manganous Phosphate	2	1	3	3	1	1	1	1	4	4
Manganous Sulfate	2	1	3	3	1	1	1	1	4	4
Mannitol	2	1	3	3	1	1	1	1	4	4
MCS 312	1	1	1	4	4	4	4	4	4	X
MCS 352	3	3	4	4	1	4	4	2	4	4
MCS 463	3	3	4	4	1	4	4	2	4	4
MDI (Methylene di-p-phenylene isocyanate)	2	1	3	3	1	1	1	1	4	4
Mercaptan	2	1	1	1	4	2	4	4	1	1
Mercaptobenzothiazole (MBT)	X	2	1	X	X	4	4	4	4	3
Mercuric Acetate	2	1	3	3	1	1	1	1	4	4
Mercuric Chloride	X	X	1	1	1	1	1	1	X	X
Mercuric Cyanide	2	1	3	3	1	1	1	1	4	4
Mercuric Iodide	2	1	3	3	1	1	1	1	4	4
Mercuric Nitrate	2	1	3	3	1	1	1	1	4	4
Mercuric Sulfate	2	1	3	3	1	1	1	1	4	4
Mercuric Sulfite	2	1	3	3	1	1	1	1	4	4
Mercurous Nitrate	2	1	3	3	1	1	1	1	4	4
Mercury	X	X	1	1	1	1	1	1	X	X
Mercury Chloride	2	1	3	3	1	1	1	1	4	4
Mercury Fulminate	2	1	3	3	1	1	1	1	4	4
Mercury Salts	2	1	3	3	1	1	1	1	4	4
Mercury Vapors	X	X	1	1	1	1	1	1	X	X
Mesityl Oxide (Ketone)	4	4	4	4	2	4	4	2	4	4
Meta-Cresol	X	2	1	X	X	4	4	4	4	3
Metalddehyde	2	1	3	3	1	1	1	1	4	4
Meta-Nitroaniline	2	1	3	3	1	1	1	1	4	4
Meta-Toluidine	X	2	1	X	X	4	4	4	4	3

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Methacrylic Acid	2	1	3	3	1	1	1	1	4	4
Methallyl Chloride	X	2	1	X	X	4	4	4	4	3
Methane	4	3	1	1	4	2	4	4	1	3
Methanol	1	1	4	4	1	1	1	1	4	4
Methoxychlor	X	X	X	X	X	X	X	X	X	X
Methoxyethanol (DGMMA)	2	1	3	3	1	1	1	1	4	4
Methyl Abietate	X	2	1	X	X	4	4	4	4	3
Methyl Acetate	4	4	4	4	2	2	4	2	4	4
Methyl Acetoacetate	2	4	4	4	2	4	X	2	4	4
Methyl Acetophenone	X	2	1	X	X	4	4	4	4	3
Methyl Acrylate	4	4	4	4	2	2	4	2	4	4
Methyl Alcohol	1	1	4	4	1	1	1	1	4	4
Methyl Amylketone	2	1	3	3	1	1	1	1	4	4
Methyl Anthranilate	X	2	1	X	X	4	4	4	4	3
Methyl Benzoate	4	1	1	4	4	4	4	4	4	4
Methyl Bromide	X	1	1	2	4	4	4	4	3	X
Methyl Butyl Ketone	4	4	4	4	1	4	4	1	4	4
Methyl Butyrate Cellosolve	2	1	3	3	1	1	1	1	4	4
Methyl Butyrate Chloride	2	1	3	3	1	1	1	1	4	4
Methyl Carbonate	4	2	1	4	4	4	4	4	4	4
Methyl Cellosolve	4	4	4	3	2	3	4	2	4	4
Methyl Cellulose	2	4	4	2	2	2	2	2	4	2
Methyl Chloride	4	2	1	4	3	4	4	3	4	4
Methyl Chloroacetate	2	1	3	3	1	1	1	1	4	4
Methyl Chloroform	X	X	1	4	4	4	X	X	X	X
Methyl Chloroformate	4	2	1	4	4	4	4	4	4	4
Methyl Chlorosilanes	X	X	X	X	X	X	X	X	X	X
Methyl Cyanide (Acetonitrile)	2	1	3	3	1	1	1	1	4	4
Methyl Cyclohexanone	2	1	1	1	4	2	4	4	1	1
Methyl Dichloride	X	2	1	X	X	4	4	4	4	3
Methyl Ether	1	1	1	1	4	3	4	4	4	X
Methyl Ethyl Ketone (MEK)	4	4	4	4	1	4	4	1	4	4



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Methyl Ethyl Ketone Peroxide	2	4	4	4	4	4	4	4	4	4
Methyl Ethyl Oleate	X	2	1	X	X	4	4	4	4	3
Methyl Formate	X	X	X	4	2	2	4	2	X	X
Methyl Hexyl Ketone (2-Octanone)	2	1	3	3	1	1	1	1	4	4
Methyl Iodide	2	1	1	1	4	2	4	4	1	1
Methyl Isobutyl Ketone (MIBK)	4	4	4	4	3	4	4	3	4	4
Methyl Isocyanate	2	1	3	3	1	1	1	1	4	4
Methyl Isopropyl Ketone	4	4	4	4	2	4	4	2	4	4
Methyl Isovalerate	X	2	1	X	X	4	4	4	4	3
Methyl Lactate	2	1	3	3	1	1	1	1	4	4
Methyl Mercaptan	X	X	X	X	1	X	X	1	X	X
Methyl Methacrylate	4	4	4	4	4	4	4	4	4	X
Methyl Oleate	X	2	1	4	2	4	4	2	X	X
Methyl Pentadiene	X	2	1	X	X	4	4	4	4	3
Methyl Phenylacetate	X	2	1	X	X	4	4	4	4	3
Methyl Salicylate	X	X	X	4	2	4	3	2	X	X
Methyl Tertiary Butyl Ether (MTBE)	X	X	3	3	3	3	X	X	X	X
Methyl Valerate	X	2	1	X	X	4	4	4	4	3
Methyl-2-Pyrrolidone or n-Methyl-2-Pyrrolidone	X	X	X	X	2	X	X	X	X	X
Methylacrylic Acid	4	4	3	4	2	2	4	2	4	4
Methylal	X	X	X	X	X	X	X	X	X	X
Methylamine	2	1	3	3	1	1	1	1	4	4
Methylamyl Acetate	2	1	3	3	1	1	1	1	4	4
Methylcyclopentane	4	2	1	4	4	4	4	4	4	4
Methylene Bromide	X	2	1	X	X	4	4	4	4	3
Methylene Chloride	4	2	2	4	4	4	4	4	4	4
Methylene Iodide	X	2	1	X	X	4	4	4	4	3
Methylglycerol	2	1	3	3	1	1	1	1	4	4
Methylisobutyl Carbinol	2	1	1	1	4	2	4	4	1	1

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Methylpyrrolidine	X	2	1	X	X	4	4	4	4	3
Methylpyrrolidone	X	2	1	X	X	4	4	4	4	3
Methylsulfuric Acid	2	1	3	3	1	1	1	1	4	4
MIL-A-6091	1	1	1	2	1	1	1	1	4	4
MIL-C-4339	3	1	1	1	4	4	4	4	1	1
MIL-C-7024	4	1	1	1	4	2	4	4	2	1
MIL-C-8188	4	2	2	2	4	4	4	4	3	4
MIL-E-9500	1	1	1	1	1	1	1	1	4	4
MIL-F-16884	4	1	1	1	4	3	4	4	1	3
MIL-F-17111	4	2	1	1	4	2	4	4	1	3
MIL-F-25558 (RJ-1)	4	1	1	1	4	2	4	4	1	1
MIL-F-25656	4	2	1	1	4	4	4	4	2	2
MIL-F-5566	1	1	1	2	1	2	2	1	4	2
MIL-F-81912 (JP-9)	4	2	1	3	4	4	4	4	4	3
MIL-F-82522 (RJ-4)	4	1	1	2	4	4	4	4	1	1
MIL-G-10924	4	1	1	1	4	2	4	4	2	1
MIL-G-15793	4	2	1	1	4	2	4	4	1	1
MIL-G-21568	4	1	1	1	1	1	1	1	1	1
MIL-G-25013	4	1	1	1	1	2	1	1	1	3
MIL-G-25537	4	1	1	1	4	2	4	4	2	1
MIL-G-25760	4	2	1	2	4	2	4	4	2	2
MIL-G-3278	4	2	1	2	4	4	4	4	1	2
MIL-G-3545	4	1	1	1	4	2	4	4	1	1
MIL-G-4343	3	1	1	2	3	2	1	3	1	1
MIL-G-5572	4	1	1	1	4	4	4	4	2	2
MIL-G-7118	4	1	1	2	4	2	4	4	3	3
MIL-G-7187	4	1	1	1	4	4	4	4	1	1
MIL-G-7421	4	2	1	2	4	2	4	4	4	2
MIL-G-7711	2	1	1	1	4	4	4	4	2	1
MIL-H-13910	4	2	1	1	1	1	1	1	2	4
MIL-H-19457	3	4	1	4	2	4	4	1	4	4
MIL-H-22251	4	X	X	2	1	2	2	1	X	X

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MIL-H-27601	4	2	1	1	4	2	4	4	1	3
MIL-H-46170 -15°F to +400°F	4	1	1	1	4	2	4	4	2	2
MIL-H-46170 -20°F to +275°F	4	1	1	1	4	2	4	4	2	2
MIL-H-46170 -55°F to +275°F	4	1	1	1	4	2	4	4	2	2
MIL-H-46170 -65°F to +275°F	4	1	1	1	4	2	4	4	2	2
MIL-H-5606 -65°F to +235°F	4	1	1	1	4	2	4	4	2	2
MIL-H-5606 -65°F to +275°F	4	1	1	1	4	2	4	4	2	2
MIL-H-6083	4	1	1	1	4	1	4	4	1	1
MIL-H-7083	1	1	2	1	1	2	2	1	4	4
MIL-H-8446 (MLO-8515)	4	1	1	2	4	1	4	4	3	4
MIL-J-5161	4	1	1	2	4	4	4	4	1	2
Milk	1	1	1	1	1	1	1	1	4	4
MIL-L-15016	4	2	1	1	4	2	4	4	1	1
MIL-L-15017	4	2	1	1	4	2	4	4	1	1
MIL-L-17331	4	X	1	1	4	X	4	4	X	X
MIL-L-2104	4	1	1	1	4	2	4	4	1	1
MIL-L-21260	4	1	1	1	4	2	4	4	1	1
MIL-L-23699	4	2	1	2	4	3	4	4	3	3
MIL-L-25681	4	2	1	2	1	2	2	1	2	3
MIL-L-3150	4	1	1	1	4	2	4	4	2	2
MIL-L-6081	4	1	1	1	4	2	4	4	1	1
MIL-L-6082	3	1	1	1	4	2	4	4	1	1
MIL-L-6085	4	2	1	2	4	4	4	4	2	3
MIL-L-6387	4	2	1	2	4	4	4	4	2	1
MIL-L-7808	4	2	1	2	4	4	4	4	2	4
MIL-L-7870	4	1	1	1	4	2	4	4	1	2
MIL-L-9000	4	2	1	1	4	2	4	4	1	3
MIL-L-9236	4	2	1	2	4	4	4	4	2	2
MIL-O-3503	4	1	1	1	4	2	4	4	2	1

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MIL-P-27402	4	X	X	2	1	2	2	1	X	X
MIL-R-25576 (RP-1)	4	1	1	1	4	2	4	4	1	1
MIL-S-3136, Type I Fuel	4	1	1	1	4	2	4	4	1	1
MIL-S-3136, Type II Fuel	4	2	1	2	4	4	4	4	3	2
MIL-S-3136, Type III Fuel	4	2	1	2	4	4	4	4	3	2
MIL-S-3136, Type IV Oil High Swell	2	1	1	1	4	4	4	4	1	1
MIL-S-3136, Type IV Oil Low Swell	3	1	1	1	4	1	4	4	1	1
MIL-S-3136, Type V Oil Medium Swell	2	1	1	1	4	2	4	4	1	1
MIL-S-81087	3	2	1	1	1	1	1	1	1	1
MIL-T-5624, JP-4, JP-5	4	2	1	1	4	4	4	4	2	2
MIL-T-83133	4	2	1	1	4	3	4	4	1	1
Mineral Oils	2	1	1	1	3	2	4	3	1	1
Mixed Acids	2	1	3	3	1	1	1	1	4	4
MLO-7277 Hydr.	4	3	1	3	4	4	4	4	3	3
MLO-7557	4	3	1	3	4	4	4	4	3	3
MLO-8200 Hydr.	4	2	1	2	4	1	4	4	X	1
MLO-8515	4	1	1	2	4	1	4	4	3	1
Mobil 24dte	X	X	1	1	4	2	X	X	X	X
Mobil 254 Lubricant	X	X	X	X	X	X	X	X	X	X
Mobil Delvac 1100, 1110, 1120, 1130	X	X	1	1	4	2	X	X	X	X
Mobil HF	X	X	1	1	4	2	X	X	X	X
Mobil Nivac 20, 30	X	X	1	1	1	1	X	X	X	X
Mobil SHC 500 Series	2	2	1	3	4	2	X	4	1	2
Mobil SHC 600 Series	3	2	1	3	4	2	4	4	1	1
Mobil Therm 600	X	X	1	1	4	2	X	X	X	X
Mobil Velocite c	X	X	1	1	4	2	X	X	X	X
Mobilgas WA200 ATF	X	X	1	1	4	2	X	X	X	X
Mobilgear 600 Series	1	1	1	3	3	1	4	3	1	2
Mobilgear SHC ISO Series	1	1	1	3	3	2	4	3	1	2
Mobilgrease HP	2	1	1	2	4	2	4	4	1	1

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Mobilgrease HTS	2	1	1	2	4	2	4	4	1	1
Mobilgrease SM	2	1	1	2	4	2	4	4	1	1
Mobilith AW Series	2	1	1	2	4	2	4	4	1	1
Mobilith SHC Series	2	1	1	2	4	3	4	4	1	1
Mobiljet II Lubricant	X	X	X	X	X	X	X	X	X	X
Mobilmistlube Series	1	1	1	3	3	1	4	3	1	2
Mobiloil SAE 20	X	X	1	1	4	2	X	X	X	X
Mobilux	X	X	1	1	4	2	X	X	X	X
Molybdenum Disulfide Grease	X	X	1	1	4	4	X	X	X	X
Molybdenum Oxide	2	1	3	3	1	1	1	1	4	4
Molybdenum Trioxide	2	1	3	3	1	1	1	1	4	4
Molybdic Acid	2	1	3	3	1	1	1	1	4	4
Monobromobenzene	4	2	1	4	4	4	4	4	4	4
Monobromotoluene	X	2	1	X	X	4	4	4	4	3
Monobutyl Paracresol	X	X	X	X	X	X	X	X	X	X
Monochloroacetic Acid	2	1	3	3	1	1	1	1	4	4
Monochlorobenzene	4	2	1	4	4	4	4	4	4	4
Monochlorobutene	X	2	1	X	X	4	4	4	4	3
Monochlorohydrin	X	X	X	X	X	X	X	X	X	X
Monoethanolamine (MEA)	2	4	4	4	2	4	2	2	4	4
Monoethyl Amine	2	1	3	3	1	1	1	1	4	4
Monoisopropylamine	2	1	3	3	1	1	1	1	4	4
Monomethyl Aniline	2	1	2	4	1	1	1	1	4	4
Monomethyl Ether (Dimethyl Ether)	X	X	X	X	X	X	X	X	X	X
Monomethyl Ether (Methyl Ether)	X	X	1	1	4	X	X	X	X	X
Monomethyl Hydrazine	4	X	X	2	1	2	2	1	X	X
Monomethylamine (MMA)	2	1	3	3	1	1	1	1	4	4
Monomethylaniline	X	X	2	4	2	4	4	2	4	4
Mononitrotoluene	2	1	3	3	1	1	1	1	4	4

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Mononitrotoluene & Dinitrotoluene (40/60 Mixture)	4	3	3	4	1	4	4	4	4	4
Monovinyl Acetylene	2	X	1	1	1	2	2	1	X	X
Mopar Brake Fluid	3	4	4	3	1	2	1	2	X	X
Morpholine	X	2	1	X	X	4	4	4	4	3
Motor Oils	2	1	1	1	4	2	4	4	1	1
Mustard Gas	X	X	X	X	X	X	X	X	X	X
Myristic Acid	X	2	1	X	X	4	4	4	4	3
Naphthalene	4	1	1	4	4	4	4	4	X	2
Naphthalene Chloride	X	2	1	X	X	4	4	4	4	3
Naphthalene Sulfonic Acid	X	2	1	X	X	4	4	4	4	3
Naphthalenic Acid	X	2	1	X	X	4	4	4	4	3
Naphthalonic Acid	X	2	1	X	X	4	4	4	4	3
Naphthenic Acid	4	1	1	2	4	4	4	4	X	X
Naphthylamine	X	X	X	X	X	X	X	X	X	X
Naptha	4	2	1	2	4	4	4	4	2	2
Natural Gas	4	3	1	1	4	1	2	4	2	2
Neatsfoot Oil	2	1	1	1	2	4	4	2	1	1
Neon	1	1	1	1	1	1	1	1	1	1
Neville Acid	4	2	1	4	2	4	4	2	4	X
Nickel Acetate	4	4	4	2	1	2	4	1	4	4
Nickel Ammonium Sulfate	2	1	3	3	1	1	1	1	4	4
Nickel Chloride	1	1	1	1	1	2	1	1	3	3
Nickel Cyanide	2	1	3	3	1	1	1	1	4	4
Nickel Nitrate	2	1	3	3	1	1	1	1	4	4
Nickel Salts	1	1	1	1	1	2	1	1	3	3
Nickel Sulfate	1	1	1	1	1	1	2	1	4	3
Nicotinamide (Niacinamide)	X	2	1	X	X	4	4	4	4	3
Nicotinamide Hydrochloride	2	1	3	3	1	1	1	1	4	4
Nicotine	X	2	1	X	X	4	4	4	4	3
Nicotine Sulfate	2	1	3	3	1	1	1	1	4	4

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Niter Cake	1	1	1	1	1	1	1	1	4	1
Nitric Acid, Red Fuming	X	X	2	4	4	4	X	X	X	X
Nitric Acid, White Fuming	X	X	X	X	X	X	X	X	X	X
Nitric Acid (0 - 50%)	X	X	1	4	2	X	X	X	X	X
Nitric Acid (50 - 100%)	X	X	3	4	4	X	X	X	X	X
Nitric Acid 3 Molar to 158°F	4	4	3	4	2	4	3	2	4	4
Nitric Acid Concentrated Room Temp.	X	X	2	X	4	X	X	X	X	X
Nitric Acid Concentrated to 158°F	4	4	4	4	4	4	4	4	4	4
Nitroaniline	2	1	3	3	1	1	1	1	4	4
Nitrobenzene	4	4	2	4	1	4	4	1	4	4
Nitrobenzoic Acid	2	1	3	3	1	1	1	1	4	4
Nitrocellulose	2	1	3	3	1	1	1	1	4	4
Nitrochlorobenzene	2	1	3	3	1	1	1	1	4	4
Nitrochloroform	2	1	3	3	1	1	1	1	4	4
Nitrodiethylaniline	2	1	3	3	1	1	1	1	4	4
Nitrodiphenyl Ether	X	X	X	X	X	X	X	X	X	X
Nitroethane	4	4	4	4	2	2	2	2	4	4
Nitrofluorobenzene	2	1	3	3	1	1	1	1	4	4
Nitrogen	1	1	1	1	1	1	1	1	1	1
Nitrogen Oxides	2	1	3	3	1	1	1	1	4	4
Nitrogen Tetroxide (N2O4)	4	4	4	4	4	4	4	3	4	4
Nitrogen Trifluoride	X	X	X	X	X	X	X	X	X	X
Nitroglycerine	2	1	3	3	1	1	1	1	4	4
Nitroglycerol	2	1	3	3	1	1	1	1	4	4
Nitroisopropylbenzene	2	1	3	3	1	1	1	1	4	4
Nitromethane	4	4	4	4	2	3	3	2	4	4
Nitrophenol	2	1	3	3	1	1	1	1	4	4
Nitropropane	4	4	4	4	2	4	4	2	4	4
Nitrosyl Chloride	X	X	X	X	X	X	X	X	X	X
Nitrosylsulfuric Acid	X	X	X	X	X	X	X	X	X	X
Nitrothiophene	2	1	3	3	1	1	1	1	4	4

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Nitrotoluene	2	1	3	3	1	1	1	1	4	4
Nitrous Acid	2	1	3	3	1	1	1	1	4	4
Nitrous Oxide	1	X	1	1	1	X	X	X	X	X
Nonane	2	1	1	1	4	2	4	4	1	1
Noryl GE Phenolic	X	X	X	1	1	X	X	X	X	X
Nyvac FR200 Mobil	X	X	1	1	1	2	4	4	X	X
Octachloro Toluene	4	2	1	4	4	4	4	4	4	4
Octadecane	4	1	1	1	4	2	4	4	2	1
Octanal (n-Octanaldehyde)	2	1	1	1	4	2	4	4	1	1
Octane or n-Octane	4	2	1	1	4	4	4	4	4	4
Octyl Acetate	2	1	3	3	1	1	1	1	4	4
Octyl Alcohol	2	2	1	2	3	2	2	2	4	4
Octyl Chloride	2	1	1	1	4	2	4	4	1	1
Octyl Phthalate	X	2	1	X	X	4	4	4	4	3
Olefins	X	2	1	X	X	4	4	4	4	3
Oleic Acid	4	X	2	3	4	4	4	4	4	2
Oleum (Fuming Sulfuric Acid)	4	X	1	4	4	4	4	4	4	4
Oleum Spirits	4	2	1	2	4	3	4	4	X	3
Oleyl Alcohol	X	2	1	X	X	4	4	4	4	3
Olive Oil	3	1	1	1	2	2	4	2	1	1
Oronite 8200	4	1	1	2	4	1	4	4	X	1
Oronite 8515	4	1	1	2	4	1	4	4	X	1
Ortho-Chloro Ethyl Benzene	4	2	1	4	4	4	4	4	4	4
Ortho-Chloroaniline	2	1	3	3	1	1	1	1	4	4
Ortho-Chlorophenol	2	1	3	3	1	1	1	1	4	4
Ortho-Cresol	2	1	3	3	1	1	1	1	4	4
Ortho-Dichlorobenzene	4	2	1	4	4	4	4	4	4	4
Ortho-Nitrotoluene	2	1	3	3	1	1	1	1	4	4
Orthophos Acid	X	X	X	X	X	X	X	X	X	X
OS 45 Type III (OS45)	4	2	1	2	4	1	4	4	X	4
OS 45 Type IV (OS45-1)	4	2	1	2	4	1	4	4	X	4
OS 70	4	2	1	2	4	1	4	4	X	4





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Penicillin (Liquid)	X	2	1	X	X	4	4	4	4	3
Pentachloroethane	X	2	1	X	X	4	4	4	4	3
Pentachlorophenol	2	1	3	3	1	1	1	1	4	4
Pentaerythritol	2	1	3	3	1	1	1	1	4	4
Pentaerythritol Tetranitrate	2	1	3	3	1	1	1	1	4	4
Pentafluoroethane (F-125)	X	X	X	X	X	X	X	X	X	X
Pentane or n-Pentane	4	3	1	1	4	1	3	4	1	4
Pentane, 2 Methyl	4	3	1	1	4	2	4	4	1	4
Pentane, 2-4 dimethyl	4	3	1	1	4	2	4	4	1	4
Pentane, 3-Methyl	4	3	1	1	4	2	4	4	1	4
Pentoxone	X	X	X	X	X	X	X	X	X	X
Pentyl Pentanoate	2	1	1	1	4	2	4	4	1	1
Peracetic Acid	2	1	3	3	1	1	1	1	4	4
Perchloric Acid - 2N	2	1	1	4	1	2	4	2	4	4
Perchloroethylene	4	2	1	2	4	4	4	4	4	4
Perfluoropropane	X	X	X	X	X	X	X	X	X	X
Perfluorotriethylamine	X	X	X	X	X	X	X	X	X	X
Permanganic Acid	X	X	X	X	X	X	X	X	X	X
Persulfuric Acid (Caro's Acid)	X	X	X	X	X	X	X	X	X	X
Petrolatum	4	1	1	1	4	2	4	4	1	1
Petrolatum Ether	2	1	1	1	4	2	4	4	1	1
Petroleum Oil, Above 250°F	4	4	2	4	4	4	4	4	4	4
Petroleum Oil, Below 250°F	2	2	1	1	4	2	4	4	2	2
Petroleum Oil, Crude	4	1	1	1	4	2	4	4	1	1
Phenol	4	2	1	4	4	4	4	4	4	4
Phenol, 70% / 30% H2O	4	2	1	4	4	4	4	4	4	4
Phenol, 85% / 15% H2O	4	2	1	4	4	4	4	4	4	4
Phenolic Sulfonate	2	1	3	3	1	1	1	1	4	4
Phenolsulfonic Acid	2	1	3	3	1	1	1	1	4	4
Phenylacetamide	X	2	1	X	X	4	4	4	4	3
Phenylacetate	2	1	3	3	1	1	1	1	4	4
Phenylacetic Acid	2	1	3	3	1	1	1	1	4	4

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Phenylbenzene	4	2	1	4	4	4	4	4	4	4
Phenylene Diamine	X	X	X	X	X	X	X	X	X	X
Phenylethyl Alcohol	X	2	1	X	X	4	4	4	4	3
Phenylethyl Ether	4	4	4	4	4	4	4	4	4	4
Phenylethyl Malonic Ester	X	2	1	X	X	4	4	4	4	3
Phenylglycerine	2	1	3	3	1	1	1	1	4	4
Phenylhydrazine	X	X	1	4	2	4	2	4	4	X
Phenylhydrazine Hydrochloride	2	1	3	3	1	1	1	1	4	4
Phenylmercuric Acetate	2	1	3	3	1	1	1	1	4	4
Phorone	4	4	4	4	3	4	4	3	4	4
Phosgene	X	X	X	X	X	X	X	X	X	X
Phosphine	X	X	X	X	X	X	X	X	X	X
Phosphoric Acid 3 Molar to 158°F	2	2	1	1	1	2	2	1	3	4
Phosphoric Acid Concentrated Room Temp	3	3	1	2	1	2	1	1	2	4
Phosphoric Acid Concentrated to 158°F	4	3	1	4	1	3	2	1	3	4
Phosphoric Acid, 20%	X	X	X	X	X	X	X	X	X	X
Phosphoric Acid, 45%	X	X	X	X	X	X	X	X	X	X
Phosphorus (Molten)	X	X	X	X	X	X	X	X	X	X
Phosphorus Oxychloride	X	X	X	X	X	X	X	X	X	X
Phosphorus Trichloride	X	1	1	4	1	4	4	1	X	X
Phosphorus Trichloride Acid	X	X	1	4	1	4	X	X	X	X
Phthalic Acid	2	1	3	3	1	1	1	1	4	4
Phthalic Anhydride	2	1	3	3	1	1	1	1	4	4
Pickling Solution	4	4	2	4	3	4	4	3	4	4
Picric Acid (aq)	X	2	1	1	1	1	2	1	X	X
Picric Acid Molten	4	2	1	2	2	2	2	2	X	X
Pine Oil	4	1	1	1	4	4	4	4	X	X
Pine Tar	2	1	1	1	4	2	4	4	1	1
Pinene	4	1	1	2	4	3	4	4	4	2
Piperazine	X	2	1	X	X	4	4	4	4	3

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Piperidine	4	2	1	4	4	4	4	4	4	3
Piranha (H2SO4:H2O2)(70:30)	X	X	X	X	X	X	X	X	X	X
Plating Solution (Co,Cu,Au,In,Fe,Pb,Ni,Ag,Sn,Zn)	X	X	1	1	1	X	X	X	X	X
Plating Solutions Chrome	2	2	1	4	2	4	4	2	4	4
Plating Solutions Others	4	X	1	1	1	4	4	1	X	X
Pneumatic Service	4	4	1	1	1	1	4	1	4	1
Polyethylene Glycol	X	X	3	2	1	2	X	X	X	X
Polyglycerol	2	1	3	3	1	1	1	1	4	4
Polyglycol	2	1	3	3	1	1	1	1	4	4
Polyvinyl Acetate Emulsion	X	X	X	X	1	2	4	1	X	X
Potassium (Molten)	X	X	X	X	X	X	X	X	X	X
Potassium Acetate	4	4	4	2	1	2	4	1	4	4
Potassium Acid Sulfate	2	1	3	3	1	1	1	1	4	4
Potassium Alum	2	1	3	3	1	1	1	1	4	4
Potassium Aluminum Sulfate	2	1	3	3	1	1	1	1	4	4
Potassium Antimonate	2	1	3	3	1	1	1	1	4	4
Potassium Bicarbonate	2	1	3	3	1	1	1	1	4	4
Potassium Bichromate	2	1	3	3	1	1	1	1	4	4
Potassium Bifluoride	2	1	3	3	1	1	1	1	4	4
Potassium Bisulfate	2	1	3	3	1	1	1	1	4	4
Potassium Bisulfite	2	1	3	3	1	1	1	1	4	4
Potassium Bitartrate	2	1	3	3	1	1	1	1	4	4
Potassium Bromide	2	1	3	3	1	1	1	1	4	4
Potassium Carbonate	2	1	3	3	1	1	1	1	4	4
Potassium Chlorate	2	1	3	3	1	1	1	1	4	4
Potassium Chloride	1	1	1	1	1	1	1	1	1	1
Potassium Chromates	2	1	3	3	1	1	1	1	4	4
Potassium Citrate	2	1	3	3	1	1	1	1	4	4
Potassium Cupro Cyanide	1	1	1	1	1	1	1	1	1	1
Potassium Cyanate	2	1	3	3	1	1	1	1	4	4

Compatibility Rating: 1 = Recommended 2 = Fair 3 = Doubtful 4 = Unsatisfactory X = Insufficient Data	Silicone	Fluorosilicone	Viton	Nitrile	EPDM	Neoprene	SBR	Butyl	Polyacrylate	Polyurethane
Potassium Cyanide	1	1	1	1	1	1	1	1	1	1
Potassium Dichromate	1	1	1	1	1	1	1	1	1	2
Potassium Diphosphate	2	1	3	3	1	1	1	1	4	4
Potassium Ferricyanide	2	1	3	3	1	1	1	1	4	4
Potassium Fluoride	2	1	3	3	1	1	1	1	4	4
Potassium Glucocyanate	2	1	3	3	1	1	1	1	4	4
Potassium Hydroxide 50%	3	3	4	2	1	2	2	1	4	4
Potassium Hypochlorite	2	1	3	3	1	1	1	1	4	4
Potassium Iodate	2	1	3	3	1	1	1	1	4	4
Potassium Iodide	2	1	3	3	1	1	1	1	4	4
Potassium Metabisulfate	2	1	3	3	1	1	1	1	4	4
Potassium Metachromate	2	1	3	3	1	1	1	1	4	4
Potassium Metasilicate	X	X	X	X	X	X	X	X	X	X
Potassium Monochromate	2	1	3	3	1	1	1	1	4	4
Potassium Nitrate	1	1	1	1	1	1	1	1	1	1
Potassium Nitrite	2	1	3	3	1	1	1	1	4	4
Potassium Oxalate	2	1	3	3	1	1	1	1	4	4
Potassium Perchlorate	2	1	3	3	1	1	1	1	4	4
Potassium Perfluoro Acetate	X	X	X	X	X	X	X	X	X	X
Potassium Permanganate	2	1	3	3	1	1	1	1	4	4
Potassium Peroxide	X	X	X	X	X	X	X	X	X	X
Potassium Persulfate	2	1	3	3	1	1	1	1	4	4
Potassium Phosphate (Acid)	2	1	3	3	1	1	1	1	4	4
Potassium Phosphate (Alkaline)	2	1	3	3	1	1	1	1	4	4
Potassium Phosphate (Di/Tri Basic)	2	1	3	3	1	1	1	1	4	4
Potassium Pyrosulfate	2	1	3	3	1	1	1	1	4	4
Potassium Salts	1	1	1	1	1	1	1	1	1	1
Potassium Silicate	X	X	X	X	X	X	X	X	X	X
Potassium Sodium Tartrate	2	1	3	3	1	1	1	1	4	4
Potassium Stannate	2	1	3	3	1	1	1	1	4	4
Potassium Stearate	2	1	3	3	1	1	1	1	4	4

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Potassium Sulfate	1	1	1	1	1	1	2	1	4	1
Potassium Sulfide	2	1	3	3	1	1	1	1	4	4
Potassium Sulfite	1	1	1	1	1	1	2	1	4	1
Potassium Tartrate	2	1	3	3	1	1	1	1	4	4
Potassium Thiocyanate	2	1	3	3	1	1	1	1	4	4
Potassium Thiosulfate	2	1	3	3	1	1	1	1	4	4
Potassium Triphosphate	2	1	3	3	1	1	1	1	4	4
Prestone Antifreeze	1	1	1	1	1	1	1	1	4	4
PRL-High Temp. Hydr. Oil	2	1	1	2	4	2	4	4	1	2
Producer Gas	2	2	1	1	4	2	4	4	2	1
Propane	4	2	1	1	4	2	4	4	1	3
Propionaldehyde	2	1	3	3	1	1	1	1	4	4
Propionic Acid	2	1	3	3	1	1	1	1	4	4
Propionitrile	X	X	1	1	4	2	X	X	X	X
Propyl Acetate	4	4	4	4	2	4	4	2	4	4
Propyl Acetone or n-Propyl Acetone	4	4	4	4	1	4	4	1	4	4
Propyl Alcohol	1	1	1	1	1	1	1	1	4	4
Propyl Nitrate	4	4	4	4	2	4	4	2	4	X
Propyl Propionate	2	1	3	3	1	1	1	1	4	4
Propylamine	2	1	3	3	1	1	1	1	4	4
Propylbenzene	X	2	1	X	X	4	4	4	4	3
Propylene	4	3	1	3	4	4	4	4	4	4
Propylene Chloride	X	2	1	X	X	4	4	4	4	3
Propylene Chlorohydrin	X	2	1	X	X	4	4	4	4	3
Propylene Dichloride	X	2	1	X	X	4	4	4	4	3
Propylene Glycol	2	1	3	3	1	1	1	1	4	4
Propylene Imine	X	2	1	X	X	4	4	4	4	3
Propylene Oxide	4	4	4	4	2	4	4	2	4	4
Pydraul 90e	X	X	1	4	1	4	X	X	X	X
Pydraul, 10E	1	4	4	4	1	4	4	1	4	4
Pydraul, 115E	4	3	1	4	1	4	4	1	4	4

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Pydraul, 230C, 312C, 540C, A200	4	4	1	4	4	4	4	4	4	4
Pydraul, 29ELT 30E, 50E, 65E	1	1	1	4	1	4	4	1	4	4
Pyranol Transformer Oil	4	1	1	1	4	2	4	4	1	2
Pyridine	X	2	1	4	2	4	4	4	4	3
Pyridine Oil	4	4	4	4	2	4	4	2	4	X
Pyridine Sulfate	2	1	3	3	1	1	1	1	4	4
Pyridine Sulfonic Acid	2	1	3	3	1	1	1	1	4	4
Pyrogallol (Pyrogallic Acid)	X	2	1	2	4	4	4	4	4	3
Pyrogard 42, 43, 55	X	X	1	4	1	4	X	X	X	X
Pyrogard 53, Mobil Phosphate Ester	4	4	1	4	1	4	4	1	4	4
Pyrogard D, Mobil Water-in-Oil Emulsion	3	2	4	1	4	2	4	4	X	1
Pyroligneous Acid	X	4	4	4	2	2	4	2	4	4
Pyrolube	2	2	1	4	2	4	4	2	4	4
Pyrosulfuric Acid	2	1	3	3	1	1	1	1	4	4
Pyrosulfuryl Chloride	X	2	1	2	4	4	4	4	4	3
Pyrrole	2	4	4	4	4	4	2	4	4	X
Pyruvic Acid	2	1	3	3	1	1	1	1	4	4
Quinidine	X	2	1	2	4	4	4	4	4	3
Quinine	X	2	1	2	4	4	4	4	4	3
Quinine Bisulfate	2	1	3	3	1	1	1	1	4	4
Quinine Hydrochloride	2	1	3	3	1	1	1	1	4	4
Quinine Sulfate	2	1	3	3	1	1	1	1	4	4
Quinine Tartrate	2	1	3	3	1	1	1	1	4	4
Quinizarin	X	2	1	2	4	4	4	4	4	3
Quinoline	X	2	1	2	4	4	4	4	4	3
Quinone	X	2	1	2	4	4	4	4	4	3
Radiation (Gamma, 1.0 E+07 Rads)	2	4	4	3	2	X	X	4	X	4
Raffinate	X	2	1	2	4	4	4	4	4	3
Rapeseed Oil	4	1	1	2	1	2	4	1	2	2

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Red Line 100 Oil	4	1	1	1	4	2	4	4	1	1
Red Oil (MIL-H-5606)	4	1	1	1	4	2	4	4	1	1
Resorcinol	2	1	3	3	1	1	1	1	4	4
Rhodium	X	X	X	X	X	X	X	X	X	X
Riboflavin	X	2	1	2	4	4	4	4	4	3
Ricinoleic Acid	X	2	1	2	4	4	4	4	4	3
RJ-1 (MIL-F-25558)	4	1	1	1	4	2	4	4	1	1
RJ-4 (MIL-F-82522)	4	1	1	2	4	4	4	4	2	2
Rosin	X	2	1	2	4	4	4	4	4	3
RP-1 (MIL-R-25576)	4	1	1	1	4	2	4	4	1	1
Saccharin Solution	2	1	3	3	1	1	1	1	4	4
Sal Ammoniac	2	1	1	1	1	1	1	1	1	1
Salicylic Acid	X	1	1	2	1	X	2	1	X	X
Santo Safe 300	1	1	1	4	3	4	4	3	4	X
Sea (Salt) Water	1	1	1	1	1	2	1	1	4	2
Sebacic Acid	2	1	3	3	1	1	1	1	4	4
Selenic Acid	2	1	3	3	1	1	1	1	4	4
Selenous Acid	2	1	3	3	1	1	1	1	4	4
Sewage	1	1	1	1	1	2	1	1	4	4
SF 1154 GE Silicone Fluid	4	1	1	2	1	1	1	1	1	2
SF1147 GE Silicone Fluid	4	X	1	2	3	X	X	3	X	X
SF96 GE Silicone Fluid	4	1	1	2	1	1	1	1	1	2
Shell 3XF Mine Fluid (Fire resist hydr.)	X	1	1	1	4	2	4	4	4	4
Shell Alvania Grease #2	2	1	1	1	4	2	4	4	1	1
Shell Carnea 19 and 29	X	1	1	1	4	4	4	4	1	2
Shell Diala	4	1	1	1	4	2	4	4	1	2
Shell Iru 905	4	1	1	1	4	2	4	4	1	1
Shell Lo Hydrax 27 and 29	4	1	1	1	4	2	4	4	1	2
Shell Macome 72	4	1	1	1	4	2	4	4	1	2
Shell Tellus #32 Pet. Base	4	1	1	1	4	2	4	4	1	1
Shell Tellus #68	4	1	1	1	4	2	4	4	1	1



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Shell Tellus 27 (Petroleum Base)	X	X	1	1	4	2	X	X	X	X
Shell Tellus 33	X	X	1	1	4	2	X	X	X	X
Shell UMF (5% Aromatic)	4	1	1	1	4	2	4	4	1	1
Shellac	2	1	3	3	1	1	1	1	4	4
Silane	X	X	X	X	X	X	X	X	X	X
Silicate Esters	4	1	1	2	4	1	4	4	X	1
Silicon Fluoride	X	X	X	X	X	X	X	X	X	X
Silicon Tetrachloride	X	X	X	X	X	X	X	X	X	X
Silicon Tetrafluoride	X	X	X	X	X	X	X	X	X	X
Silicone Greases	3	2	1	1	1	1	1	1	1	1
Silicone Oils	3	3	1	1	1	1	1	1	1	1
Silver Bromide	2	1	3	3	1	1	1	1	4	4
Silver Chloride	2	1	3	3	1	1	1	1	4	4
Silver Cyanide	2	1	3	3	1	1	1	1	4	4
Silver Nitrate	1	1	1	2	1	1	1	1	1	1
Silver Sulfate	2	1	3	3	1	1	1	1	4	4
Sinclair Opaline CX-EP Lube	4	1	1	1	4	2	4	4	1	1
Skelly, Solvent B, C, E	X	1	1	1	4	4	4	4	X	X
Skydrol 500 B4	3	3	4	4	1	4	4	2	4	4
Skydrol 7000	X	X	2	4	1	4	X	X	X	X
Skydrol LD-4	3	3	4	4	1	4	4	2	4	4
Soap Solutions	1	1	1	1	1	2	2	1	4	4
Socony Mobile Type A	4	2	1	1	4	2	4	4	1	2
Socony Vacuum AMV AC781 (Grease)	4	2	1	1	4	2	4	4	1	2
Socony Vacuum PD959B	4	1	1	1	4	2	4	4	1	1
Soda Ash	1	1	1	1	1	1	1	1	X	X
Sodium (Molten)	X	X	X	X	X	X	X	X	X	X
Sodium Acetate	4	4	4	2	1	2	4	1	3	3
Sodium Acid Bisulfate	2	1	3	3	1	1	1	1	4	4
Sodium Acid Fluoride	2	1	3	3	1	1	1	1	4	4
Sodium Acid Sulfate	2	1	3	3	1	1	1	1	4	4

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Sodium Aluminate	2	1	3	3	1	1	1	1	4	4
Sodium Aluminate Sulfate	2	1	3	3	1	1	1	1	4	4
Sodium Anthraquinone Disulfate	2	1	3	3	1	1	1	1	4	4
Sodium Antimonate	2	1	3	3	1	1	1	1	4	4
Sodium Arsenate	2	1	3	3	1	1	1	1	4	4
Sodium Arsenite	2	1	3	3	1	1	1	1	4	4
Sodium Benzoate	2	1	3	3	1	1	1	1	4	4
Sodium Bicarbonate (Baking Soda)	1	1	1	1	1	1	1	1	X	X
Sodium Bichromate	2	1	3	3	1	1	1	1	4	4
Sodium Bifluoride	2	1	3	3	1	1	1	1	4	4
Sodium Bisulfate or Bisulfite	1	1	1	1	1	1	2	1	4	X
Sodium Bisulfide	2	1	3	3	1	1	1	1	4	4
Sodium Bitartrate	2	1	3	3	1	1	1	1	4	4
Sodium Borate	1	1	1	1	1	1	1	1	X	X
Sodium Bromate	2	1	3	3	1	1	1	1	4	4
Sodium Bromide	2	1	3	3	1	1	1	1	4	4
Sodium Carbonate (Soda Ash)	1	1	1	1	1	1	1	1	X	X
Sodium Chlorate	2	1	3	3	1	1	1	1	4	4
Sodium Chloride	1	X	1	1	1	1	1	1	X	1
Sodium Chlorite	2	1	3	3	1	1	1	1	4	4
Sodium Chloroacetate	2	1	3	3	1	1	1	1	4	4
Sodium Chromate	2	1	3	3	1	1	1	1	4	4
Sodium Citrate	2	1	3	3	1	1	1	1	4	4
Sodium Cyanamide	2	1	3	3	1	1	1	1	4	4
Sodium Cyanate	2	1	3	3	1	1	1	1	4	4
Sodium Cyanide	1	X	X	1	1	1	1	1	X	X
Sodium Diacetate	2	1	3	3	1	1	1	1	4	4
Sodium Diphenyl Sulfonate	2	1	3	3	1	1	1	1	4	4
Sodium Diphosphate	2	1	3	3	1	1	1	1	4	4
Sodium Disilicate	2	1	3	3	1	1	1	1	4	4

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Sodium Ethylate	2	1	3	3	1	1	1	1	4	4
Sodium Ferricyanide	2	1	3	3	1	1	1	1	4	4
Sodium Ferrocyanide	2	1	3	3	1	1	1	1	4	4
Sodium Fluoride	2	1	3	3	1	1	1	1	4	4
Sodium Fluorosilicate	2	1	3	3	1	1	1	1	4	4
Sodium Glutamate	2	1	3	3	1	1	1	1	4	4
Sodium Hydride	X	X	X	X	X	X	X	X	X	X
Sodium Hydrogen Sulfate	2	1	3	3	1	1	1	1	4	4
Sodium Hydrosulfide	2	1	3	3	1	1	1	1	4	4
Sodium Hydrosulfite	2	1	3	3	1	1	1	1	4	4
Sodium Hydroxide, 3 Molar	1	2	2	2	1	2	2	1	4	2
Sodium Hypochlorite	2	2	1	2	1	2	2	1	4	4
Sodium Hypophosphate	2	1	3	3	1	1	1	1	4	4
Sodium Hypophosphite	2	1	3	3	1	1	1	1	4	4
Sodium Hyposulfite	2	1	3	3	1	1	1	1	4	4
Sodium Iodide	2	1	3	3	1	1	1	1	4	4
Sodium Lactate	2	1	3	3	1	1	1	1	4	4
Sodium Metaphosphate	X	1	1	1	1	2	1	1	X	X
Sodium Metasilicate	2	1	3	3	1	1	1	1	4	4
Sodium Methylate	2	1	3	3	1	1	1	1	4	4
Sodium Monophosphate	2	1	3	3	1	1	1	1	4	4
Sodium Nitrate	4	X	X	2	1	2	2	1	X	X
Sodium Oleate	2	1	3	3	1	1	1	1	4	4
Sodium Orthosilicate	2	1	3	3	1	1	1	1	4	4
Sodium Oxalate	2	1	3	3	1	1	1	1	4	4
Sodium Perborate	2	1	1	2	1	2	2	1	X	X
Sodium Percarbonate	2	1	3	3	1	1	1	1	4	4
Sodium Perchlorate	2	1	3	3	1	1	1	1	4	4
Sodium Peroxide	4	1	1	2	1	2	2	1	4	4
Sodium Persulfate	2	1	3	3	1	1	1	1	4	4
Sodium Phenolate	2	1	3	3	1	1	1	1	4	4
Sodium Phenoxide	2	1	3	3	1	1	1	1	4	4

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Sodium Phosphate (Dibasic)	4	X	1	1	1	2	1	1	1	1
Sodium Phosphate (Mono)	4	X	1	1	1	2	1	1	1	1
Sodium Phosphate (Tribasic)	1	X	1	1	1	2	1	1	1	1
Sodium Plumbite	2	1	3	3	1	1	1	1	4	4
Sodium Pyrophosphate	2	1	3	3	1	1	1	1	4	4
Sodium Resinate	2	1	3	3	1	1	1	1	4	4
Sodium Salicylate	2	1	3	3	1	1	1	1	4	4
Sodium Salts	1	1	1	1	1	2	1	1	1	1
Sodium Sesquisilicate	X	X	X	X	X	X	X	X	X	X
Sodium Silicate	X	X	1	1	1	1	1	1	X	X
Sodium Silicofluoride	X	X	X	X	X	X	X	X	X	X
Sodium Stannate	2	1	3	3	1	1	1	1	4	4
Sodium Sulfate	1	1	1	1	1	1	2	1	4	1
Sodium Sulfide and Sulfite	1	1	1	1	1	1	2	1	4	1
Sodium Sulfocyanide	2	1	3	3	1	1	1	1	4	4
Sodium Tartrate	2	1	3	3	1	1	1	1	4	4
Sodium Tetraborate	2	1	3	3	1	1	1	1	4	4
Sodium Tetrphosphate	2	1	3	3	1	1	1	1	4	4
Sodium Tetrasulfide	2	1	3	3	1	1	1	1	4	4
Sodium Thioarsenate	2	1	3	3	1	1	1	1	4	4
Sodium Thiocyanate	2	1	3	3	1	1	1	1	4	4
Sodium Thiosulfate	1	1	1	2	1	1	2	1	4	1
Sodium Trichloroacetate	2	1	3	3	1	1	1	1	4	4
Sodium Triphosphate	2	1	3	3	1	1	1	1	4	4
Solvesso 100, 150	X	X	X	X	X	X	X	X	X	X
Sorbitol	2	1	3	3	1	1	1	1	4	4
Sour Crude Oil	4	4	1	3	4	4	4	4	4	4
Sour Natural Gas	4	4	1	3	4	4	4	4	4	4
Sovasol No. 1, 2, and 3	4	1	1	1	4	2	4	4	2	2
Sovasol No. 73 and 74	4	1	1	2	4	2	4	4	2	2
Soybean Oil	1	1	1	1	3	3	4	3	1	X

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Spry	1	1	1	1	2	2	4	2	1	1
SR-10 Fuel	4	1	1	1	4	4	4	4	2	2
SR-6 Fuel	4	1	1	2	4	4	4	4	2	2
Standard Oil Mobilube GX90-EP Lube	4	1	1	1	4	2	4	4	1	1
Stannic Ammonium Chloride	2	1	3	3	1	1	1	1	4	4
Stannic Chloride	2	1	1	1	1	4	1	1	X	X
Stannic Chloride, 50%	2	1	1	1	1	4	1	1	X	X
Stannic Tetrachloride	2	1	3	3	1	1	1	1	4	4
Stannous Bisulfate	2	1	3	3	1	1	1	1	4	4
Stannous Bromide	2	1	3	3	1	1	1	1	4	4
Stannous Chloride (15%)	2	1	1	1	1	1	1	1	X	X
Stannous Fluoride	2	1	3	3	1	1	1	1	4	4
Stannous Sulfate	2	1	3	3	1	1	1	1	4	4
Stauffer 7700	4	2	1	2	4	4	4	4	2	X
Steam Below 400°F	3	4	4	4	1	4	4	2	4	4
Steam, 400° - 500°F	4	4	4	4	3	4	4	4	4	4
Steam, Above 500°F	X	X	X	X	X	X	X	X	X	X
Stearic Acid	2	X	X	2	2	2	2	2	X	X
Stoddard Solvent	4	1	1	1	4	2	4	4	1	1
Strontium Acetate	2	1	3	3	1	1	1	1	4	4
Strontium Carbonate	2	1	3	3	1	1	1	1	4	4
Strontium Chloride	2	1	3	3	1	1	1	1	4	4
Strontium Hydroxide	2	1	3	3	1	1	1	1	4	4
Strontium Nitrate	2	1	3	3	1	1	1	1	4	4
Styrene (Monomer)	4	3	2	4	4	4	4	4	4	X
Succinic Acid	2	1	3	3	1	1	1	1	4	4
Sucrose Solutions	1	1	1	1	1	2	1	1	4	4
Sulfamic Acid	2	1	3	3	1	1	1	1	4	4
Sulfanilic Acid	2	1	3	3	1	1	1	1	4	4
Sulfanilic Chloride	X	2	1	2	4	4	4	4	4	3
Sulfanilimide	X	2	1	2	4	4	4	4	4	3

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Sulfite Liquors	2	1	3	3	1	1	1	1	4	4
Sulfolane	X	X	2	2	1	2	X	X	X	X
Sulfonated Oils	X	2	1	2	4	4	4	4	4	3
Sulfonic Acid	2	1	3	3	1	1	1	1	4	4
Sulfonyl Chloride	2	1	3	3	1	1	1	1	4	4
Sulfur	X	1	1	4	1	1	4	1	4	X
Sulfur (Molten)	3	3	1	4	3	3	4	3	4	4
Sulfur Chloride	3	1	1	4	4	4	4	4	4	X
Sulfur Dioxide, Dry	2	2	4	4	1	4	2	2	4	X
Sulfur Dioxide, Liquidified under pressure	2	2	4	4	1	4	4	2	4	X
Sulfur Dioxide, Wet	2	2	4	4	1	2	4	1	4	X
Sulfur Hexafluoride	X	X	3	2	1	1	X	X	X	X
Sulfur Liquors	4	2	1	2	2	2	2	2	4	X
Sulfur Monochloride	2	1	1	1	4	2	4	4	1	1
Sulfur Tetrafluoride	X	X	X	X	X	X	X	X	X	X
Sulfur Trioxide Dry	2	2	1	4	2	4	3	2	4	X
Sulfuric Acid (20% Oleum)	2	1	3	3	1	1	1	1	4	4
Sulfuric Acid, 3 Molar to 158°F	1	1	1	2	1	2	3	1	2	4
Sulfuric Acid, Concentrated Room Temp	X	X	1	X	3	X	X	X	X	3
Sulfuric Acid, Concentrated to 158°F	4	4	1	4	4	4	4	4	4	4
Sulfuric Chlorohydrin (Chlorosulfonic Acid)	2	1	3	3	1	1	1	1	4	4
Sulfurous Acid	4	X	1	2	2	2	2	2	4	3
Sunoco #3661	4	1	1	1	4	2	4	4	1	1
Sunoco All purpose grease	4	1	1	1	4	2	4	4	1	1
Sunoco SAE 10	4	1	1	1	4	2	4	4	1	1
SunSAFE (Fire resist. hydr. fluid)	X	1	1	1	4	2	4	4	4	4
Super Shell Gas	4	2	1	1	4	2	4	4	2	2
Surfuryl Chloride	2	1	3	3	1	1	1	1	4	4
Swan Finch EP Lube	4	1	1	1	4	4	4	4	1	1



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Texaco 3450 Gear Oil	4	1	1	1	4	4	4	4	1	1
Texaco Capella A and AA	4	1	1	1	4	2	4	4	1	2
Texaco Meropa 220 (No Lead)	4	1	1	1	4	2	4	4	1	2
Texaco Regal B	4	1	1	1	4	4	4	4	1	1
Texaco Uni-Temp Grease	2	1	1	1	4	2	4	4	1	1
Texamatic "A" 1581 Fluid	4	2	1	1	4	2	4	4	1	2
Texamatic "A" 3401 Fluid	4	2	1	1	4	2	4	4	1	2
Texamatic "A" 3525 Fluid	4	2	1	1	4	2	4	4	1	2
Texamatic "A" 3528 Fluid	4	2	1	1	4	2	4	4	1	2
Texamatic "A" Transmission Oil	4	2	1	1	4	2	4	4	1	2
Texas 1500 Oil	2	1	1	1	4	2	4	4	1	1
Therminol 44	4	X	1	4	4	4	X	4	4	X
Therminol 55	4	X	1	2	4	4	X	4	2	X
Therminol 66	X	X	X	X	X	X	X	X	X	X
Therminol FR	X	X	X	X	X	X	X	X	X	X
Therminol VP-1, 60, 65	2	X	1	4	4	4	X	4	4	X
Thio Acid Chloride	X	X	X	X	X	X	X	X	X	X
Thioamyl Alcohol	2	1	1	1	4	2	4	4	1	1
Thiodiacetic Acid	2	1	3	3	1	1	1	1	4	4
Thioethanol	2	1	3	3	1	1	1	1	4	4
Thioglycolic Acid	2	1	3	3	1	1	1	1	4	4
Thiokol TP-90B	X	2	1	4	1	2	4	1	X	X
Thiokol TP-95	X	2	1	4	1	2	4	1	X	X
Thionyl Chloride	X	2	1	2	4	4	4	4	4	3
Thiophene (Thiofuran)	X	2	1	2	4	4	4	4	4	3
Thiophosphoryl Chloride	2	1	3	3	1	1	1	1	4	4
Thiourea	2	1	3	3	1	1	1	1	4	4
Thorium Nitrate	2	1	3	3	1	1	1	1	4	4
Tidewater Multigear, 140 EP Lube	4	1	1	1	4	2	4	4	1	1
Tidewater Oil-Beedol	2	1	1	1	4	2	4	4	1	1
Tin Ammonium Chloride	2	1	3	3	1	1	1	1	4	4



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Tin Chloride	2	1	1	1	4	2	4	4	1	1
Tin Tetrachloride	2	1	1	1	4	2	4	4	1	1
Titanic Acid	2	1	3	3	1	1	1	1	4	4
Titanium Dioxide	2	1	3	3	1	1	1	1	4	4
Titanium Sulfate	2	1	3	3	1	1	1	1	4	4
Titanium Tetrachloride	4	2	1	2	4	4	4	4	4	4
Toluene	4	2	1	4	4	4	4	4	4	4
Toluene Bisodium Sulfite	X	X	X	X	X	X	X	X	X	X
Toluene Diisocyanate (TDI)	4	4	4	4	2	4	4	2	4	X
Toluene Sulfonyl Chloride	X	2	1	2	4	4	4	4	4	3
Toluenesulfonic Acid	2	1	3	3	1	1	1	1	4	4
Toluidine	X	2	1	2	4	4	4	4	4	3
Toluol	2	1	3	3	1	1	1	1	4	4
Toluquinone	X	2	1	2	4	4	4	4	4	3
Tolylaldehyde	2	1	3	3	1	1	1	1	4	4
Transformer Oil	2	1	1	1	4	2	4	4	2	1
Transmission Fluid Type A	2	1	1	1	4	2	4	4	1	1
Triacetin	X	4	4	2	1	2	3	1	4	4
Triaryl Phosphate	3	2	1	4	1	4	4	1	4	4
Tribromomethylbenzene	X	2	1	2	4	4	4	4	4	3
Tributoxyethyl Phosphate	X	2	1	4	1	4	2	1	4	4
Tributyl Citrate	2	1	3	3	1	1	1	1	4	4
Tributyl Mercaptan	4	3	1	4	4	4	4	4	4	X
Tributyl Phosphate	4	4	4	4	1	4	4	2	4	4
Tributylamine	X	X	X	X	X	X	X	X	X	X
Trichloroacetic Acid	X	4	3	2	2	4	2	2	4	4
Trichloroacetyl Chloride	X	2	1	2	4	4	4	4	4	3
Trichlorobenzene	X	2	1	2	4	4	4	4	4	3
Trichloroethane	4	2	1	4	4	4	4	4	4	4
Trichloroethanolamine	2	1	3	3	1	1	1	1	4	4
Trichloroethylene	4	2	1	3	4	4	4	4	4	4
Trichloromethane	4	2	1	4	4	4	4	4	4	4

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Trichloronitromethane (Chloropicrin)	2	1	3	3	1	1	1	1	4	4
Trichlorophenylsilane	X	X	X	X	X	X	X	X	X	X
Trichloropropane	4	2	1	4	4	4	4	4	4	4
Trichlorosilane	4	2	1	4	4	4	4	4	4	4
Tricresyl Phosphate	3	2	2	4	1	3	2	1	4	4
Triethanol Amine	X	4	4	3	2	2	2	2	4	4
Triethyl Phosphate	X	2	1	2	4	4	4	4	4	3
Triethylaluminum	X	X	X	X	X	X	X	X	X	X
Triethylborane	X	X	X	X	X	X	X	X	X	X
Triethylene Glycol	2	1	3	3	1	1	1	1	4	4
Triethylenetetramine	2	1	3	3	1	1	1	1	4	4
Trifluoroacetic Acid	2	1	3	3	1	1	1	1	4	4
Trifluoroethane	4	2	1	4	4	4	4	4	4	4
Trifluoromethane	4	2	1	4	4	4	4	4	4	4
Trifluorovinylchloride	X	2	1	2	4	4	4	4	4	3
Triisopropylbenzylchloride	X	2	1	2	4	4	4	4	4	3
Trimethylamine	2	1	3	3	1	1	1	1	4	4
Trimethylamine (TMA)	2	1	3	3	1	1	1	1	4	4
Trimethylbenzene	X	2	1	2	4	4	4	4	4	3
Trimethylborate (TMB)	X	2	1	2	4	4	4	4	4	3
Trimethylpentane	2	1	1	1	4	2	4	4	1	1
Trinitrotoluene (TNT)	X	2	2	4	4	2	4	4	4	X
Trioctyl Phosphate	3	2	2	4	1	4	4	1	4	4
Triphenylphosphite	2	1	3	3	1	1	1	1	4	4
Tripoly Phosphate	3	1	2	4	1	3	4	1	4	4
Tripotassium Phosphate	2	1	3	3	1	1	1	1	4	4
Trisodium Phosphate	2	1	3	3	1	1	1	1	4	4
Tritium	X	X	X	X	X	X	X	X	X	X
Tung Oil (China Wood Oil)	4	2	1	1	4	2	4	3	X	3
Tungsten Hexafluoride	X	X	X	X	X	X	X	X	X	X
Tungstic Acid	X	X	X	X	X	X	X	X	X	X
Turbine Oil	4	1	1	1	4	4	4	4	1	1

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Turbine Oil #15 (MIL-L-7808A)	4	2	1	2	4	4	4	4	2	4
Turbo Oil #35	4	1	1	1	4	2	4	4	1	1
Turpentine	4	2	1	1	4	4	4	4	2	4
Type I Fuel (MIL-S-3136)(ASTM Ref. Fuel A)	4	1	1	1	4	2	4	4	1	1
Type II Fuel MIL-S-3136	4	2	1	2	4	4	4	4	3	2
Type III Fuel MIL-S-3136(ASTM Ref. Fuel B)	4	2	1	2	4	4	4	4	3	2
Ucon Hydrolube J-4	1	2	1	1	1	2	1	1	4	4
Ucon Lubricant 50-HB-100	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant 50-HB-260	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant 50-HB-5100	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant 50-HB55	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant 50-HB-660	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant LB-1145	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant LB-135	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant LB-285	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant LB-300X	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant LB-625	1	1	1	1	1	1	1	1	X	X
Ucon Lubricant LB-65	1	1	1	1	1	1	2	1	X	X
Ucon Oil 50-HB-280x	X	X	3	2	1	2	X	X	X	X
Ucon Oil Heat Transfer Fluid 500 (Polyalkalene Glycol)	1	1	1	1	1	1	1	1	X	X
Ucon Oil LB-385	1	1	1	1	1	1	1	1	X	X
Ucon Oil LB-400X	1	1	1	1	1	1	1	1	X	X
Undecylenic Acid	X	2	1	2	4	4	4	4	4	3
Undecylic Acid	X	2	1	2	4	4	4	4	4	3
Univis 40 (Hydr. Fluid)	4	1	1	1	4	2	4	4	1	1
Univolt #35 (Mineral Oil)	4	1	1	1	4	2	4	4	1	1
Unsymmetrical Dimethyl Hydrazine (UDMH)	4	4	4	2	1	2	2	1	X	X
UPDI(Ultrapure Deionized Water)	2	1	3	3	1	1	1	1	4	4

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Uranium Hexachloride	X	X	1	X	X	X	X	X	X	X
Uranium Hexafluoride	X	X	X	X	X	X	X	X	X	X
Uranium Sulfate	X	X	X	X	X	X	X	X	X	X
Uric Acid	2	1	3	3	1	1	1	1	4	4
Valeraldehyde	2	1	3	3	1	1	1	1	4	4
Valeric Acid	2	1	3	3	1	1	1	1	4	4
Vanadium Oxide	2	1	1	1	4	2	4	4	1	1
Vanadium Pentoxide	2	1	1	1	4	2	4	4	1	1
Varnish	4	2	1	2	4	4	4	4	4	3
Vegetable Oil	1	1	1	1	3	3	4	3	1	X
Versilube F44, F55	X	X	1	1	1	1	X	X	X	X
Versilube F-50	3	1	1	1	1	1	1	1	1	1
Vinegar	3	3	3	2	2	2	2	2	4	4
Vinyl Acetate	X	X	3	2	1	2	X	X	X	X
Vinyl Benzene	X	2	1	2	4	4	4	4	4	3
Vinyl Benzoate	X	2	1	2	4	4	4	4	4	3
Vinyl Chloride	X	2	1	2	4	4	4	4	4	3
Vinyl Fluoride	X	2	1	2	4	4	4	4	4	3
Vinylidene Chloride	X	2	1	2	4	4	4	4	4	3
Vinylpyridine	X	2	1	2	4	4	4	4	4	3
Vitriol (White)	2	1	3	3	1	1	1	1	4	4
VV-H-910	2	2	1	3	1	2	1	2	2	4
Wagner 21B Brake Fluid	3	4	4	3	1	2	1	2	X	X
Water	1	1	2	1	1	2	1	1	4	4
Wemco C	4	1	1	1	4	2	4	4	1	1
Whiskey and Wines	1	1	1	1	1	1	1	1	4	4
White Liquor	X	X	1	1	1	1	X	X	X	X
White Oil	4	1	1	1	4	2	4	4	1	1
White Pine Oil	4	1	1	2	4	4	4	4	X	X
Wolmar Salt	1	1	1	1	1	2	1	1	2	1
Wood Alcohol	1	1	4	1	1	1	1	1	4	4
Wood Oil	4	2	1	1	4	2	4	3	1	3

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Xenon	1	1	1	1	1	1	1	1	1	1
Xylene	4	1	1	4	4	4	4	4	4	4
Xylidenes-Mixed-Aromatic Amines	4	4	4	3	1	4	4	4	4	4
Xylol	4	1	1	4	4	4	4	4	4	4
Zeolites	X	1	1	1	1	1	1	1	X	X
Zinc Acetate	4	4	4	2	1	2	4	1	4	4
Zinc Ammonium Chloride	2	1	3	3	1	1	1	1	4	4
Zinc Chloride	X	1	1	1	1	1	1	1	4	X
Zinc Chromate	2	1	3	3	1	1	1	1	4	4
Zinc Cyanide	2	1	3	3	1	1	1	1	4	4
Zinc Diethyldithiocarbamate	2	1	3	3	1	1	1	1	4	4
Zinc Dihydrogen Phosphate	2	1	3	3	1	1	1	1	4	4
Zinc Fluorosilicate	X	X	X	X	X	X	X	X	X	X
Zinc Hydrosulfite	2	1	3	3	1	1	1	1	4	4
Zinc Naphthenate	X	X	X	X	X	X	X	X	X	X
Zinc Nitrate	X	1	1	1	1	X	1	1	4	X
Zinc Oxide	X	1	1	1	1	X	1	1	4	X
Zinc Phenolsulfonate	2	1	3	3	1	1	1	1	4	4
Zinc Phosphate	1	1	1	1	1	1	1	1	4	1
Zinc Salts	1	1	1	1	1	1	1	1	4	1
Zinc Silicofluoride	X	X	X	X	X	X	X	X	X	X
Zinc Stearate	2	1	3	3	1	1	1	1	4	4
Zinc Sulfate	1	1	1	1	1	1	2	1	4	4
Zinc Sulfide	2	1	3	3	1	1	1	1	4	4
Zirconium Nitrate	1	1	1	1	1	1	2	1	4	4