

CHEMICAL COMPATIBILITY GUIDE

Directflo® PUMPS

This is a reference tool for pump material selection. It includes the most commonly used fluids in industrial and processing applications and their compatibility rate with different materials.



Please take into account all the following warnings before using this guideline:

- The ratings all come from reliable sources but should not be considered conclusive due to the ongoing changes in material chemistry.
- This is not a complete fluid list due to the extensive area of the field.
- Unless noted, compatibility rating for the chemicals, is at 21 °C (70 °F).
- Ratings may be affected by temperature, concentration and/or abrasives. Traces and impurities in the fluid may also vary the reaction with the materials.
- Fluids must be compatible with materials used in the pump and pumping systems.
- Two fluids independently compatible with a material, may vary rate compatibility when combined.


directflo
Central flow technology



FLUIDS	METALS			RIGID PLASTICS			PLASTICS			ELASTOMERS			
	Aluminium	Stainless Steel	Hastelloy®	Acetal	Polyvinylidene Fluoride Kynar® or Solex® (PVDF)	Polypropylene	Santoprene®	Hytrel®	Polytetrafluoroethylene (PTFE) Teflon®	Nitrile Butadiene rubber (NBR)	Ethylene Propylene Diene Monomer Rubber (EPDM)	Fluorelastomer, Viton®	Perfluorelastomer (FFKM)
Acetaldehyde (Ethanal)	B	A	A	A	X	A	A	B	A	X	A	X	A
Acetamide (Ethanamide)	A	A	A	A	X	A	?	?	A	A	A	B	A
Acetate Solvent	A	A	A	A	A	B	B	?	A	X	A	X	?
Acetic Acid	B	B	A	X	X	B	X	X	A	X	A	B	A
Acetic Acid 20%	B	A	A	X	A	A	A	A	A	B	A	B	A
Acetic Acid 30%	B	A	?	B	A	A	B	A	A	X	?	?	A
Acetic Acid 50%	B	A	?	B	A	A	B	A	A	X	?	?	A
Acetic Acid 80%	B	B	A	X	X	A	X	X	A	X	A	B	A
Acetic Acid 50% Boiling	X	B	?	X	B	X	X	X	A	X	X	X	?
Acetic Acid 80% Boiling	X	B	?	X	X	X	X	X	A	X	X	X	?
Acetic Acid 100% Boiling	X	B	?	X	A	X	X	X	A	X	X	X	?
Acetic Acid Air Free	B	X	?	B	B	X	B	B	A	X	X	X	?
Acetic Acid Areated	X	X	?	X	B	X	X	X	A	X	X	X	?
Acetic Acid Crude	B	A	?	A	B	X	X	X	A	X	B	B	?
Acetic Acid, Glacial	B	A	A	X	A	A	A	A	A	X	B	X	A
Acetic Acid Vapours - 100% (hot)	B	?	?	X	X	X	X	X	A	?	?	X	A
Acetic Anhydride (Acetic Oxide)	A	A	A	X	B	B	A	X	A	X	B	X	A
Acetic Anhydride (Boiling)	X	A	?	X	X	X	B	X	A	X	X	X	A
Acetone (Dimethylketone)	A	A	A	A	X	A	B	B	A	X	A	X	A
Acetone Cyanohydrin	A	B	?	?	?	?	?	?	A	X	X	X	?
Acetonitrile (Methyl Cyanide)	B	A	B	?	?	A	?	?	A	X	A	X	?
Acetophenone (Acetyl Benzene)	B	A	B	?	?	A	B	?	?	X	A	X	A
Acetyl Acetone	B	A	?	?	?	?	?	X	A	X	A	X	A
Acetyl Bromide	?	?	?	?	?	?	?	?	A	?	?	?	?
Acetyl Chloride (dry)	X	A	A	X	A	X	B	?	A	X	X	A	A
Acetyl Salicylic Acid (Asprin)	A	B	?	?	A	A	A	?	A	B	B	?	?
Acetylene	A	A	?	A	A	A	X	A	A	B	A	A	A
Acetylene Tetrabromide	X	A	?	?	?	X	?	?	A	X	A	A	A
Acid (Mild)	?	?	?	?	?	?	?	?	A	A	B	A	?
Acid Mine Water	X	A	?	A	A	A	A	A	A	A	B	B	?
Acids (Concentrated)	?	?	?	?	?	?	?	?	A	?	B	A	?
Acid Plating Copper Sulfate Bath R.T	A	X	X	A	A	A	?	?	A	A	?	A	?
Acrolein (Acryaldethyde)	A	B	?	?	?	?	?	?	A	B	?	A	A
Acrylonitrile (Vinyl Cyanide)	B	A	B	B	A	A	X	X	A	X	X	X	A
Adipic Acid	A	A	A	A	A	B	B	?	A	X	A	A	A
Aero Lubriplate	A	A	A	A	?	?	?	?	A	A	X	A	A
Aerosafe 2300	A	A	?	A	?	?	?	?	A	X	A	X	A
Aerosafe 2300 W	A	A	?	A	?	?	?	?	A	X	A	X	A
Aeroshell 1AC	A	A	?	A	?	?	?	?	A	A	X	A	A
Aeroshell 17 Grease	A	A	?	A	?	?	?	?	A	A	X	A	A
Aeroshell 750	A	A	?	A	?	?	?	?	A	B	X	A	A
Aeroshell 7A Grease	A	A	?	A	?	?	?	?	A	A	X	A	A
Air	A	A	A	A	A	A	A	A	A	A	A	A	A
Alcohol	A	A	A	A	A	A	A	?	A	A	B	A	A

FLUIDS	METALS			RIGID PLASTICS			PLASTICS			ELASTOMERS			
	Aluminium	Stainless Steel	Hastelloy®	Acetal	Polyvinylidene Fluoride Kynar® or Solex® (PVDF)	Polypropylene	Santoprene®	Hytrel®	Polytetrafluoroethylene (PTFE) Teflon®	Nitrile Butadiene rubber (NBR)	Ethylene Propylene Diene Monomer Rubber (EPDM)	Fluorelastomer, Viton®	Perfluorelastomer (FFKM)
A: Excellent B: Good C: Moderate effect D: Not recommended X: Not recommended, material incompatible ?: Not enough information													
Alcohol Amyl	B	A	A	A	A	B	A	A	A	B	A	A	?
Alcohol Benzyl	B	B	A	A	A	A	?	?	A	X	B	A	?
Alcohol Butyl	B	A	A	A	A	A	A	?	A	X	A	A	?
Alcohol Diacetone	A	A	A	A	A	B	?	?	A	X	A	X	?
Alcohol Ethyl	B	A	A	A	A	A	B	A	A	X	A	A	?
Alcohol Hexyl	A	A	A	A	?	?	?	?	A	A	X	X	?
Alcohol Isobutyl	B	A	A	A	?	A	?	?	A	B	A	A	?
Alcohol Isopropyl	B	B	A	A	?	A	?	?	A	B	A	A	?
Alcohol Methyl	A	A	A	A	A	A	A	B	A	A	A	X	?
Alcohol Octyl	A	A	A	A	?	?	B	?	A	B	A	B	?
Alcohol Propyl	A	A	A	A	A	A	A	?	A	A	A	A	?
Alkaline Solutions	?	A	?	A	?	?	?	?	A	A	A	A	?
Alkazene	?	?	?	A	?	?	X	?	A	X	X	B	?
Allyl Alcohol	B	A	A	A	A	A	?	?	A	A	A	B	A
Allyl Bromide	A	?	?	?	?	?	?	?	A	X	?	B	?
Allyl Chloride	X	B	?	?	A	A	?	?	A	X	X	B	A
Almond Oil (Artificial)	?	B	?	A	?	?	?	?	A	X	B	X	?
Alum	X	B	B	A	A	A	A	?	A	B	A	A	?
Aluminium (Chrome 5% Solution)	?	A	?	?	?	?	?	?	A	?	?	?	?
Aluminium Acetate	A	B	B	?	A	A	A	?	A	B	A	X	A
Aluminium Ammonium Sulfate (Alum)	?	?	?	?	A	A	?	?	A	B	?	A	?
Aluminium Bromide	?	?	?	?	A	A	?	?	A	A	A	A	A
Aluminum Chloride	X	B	A	B	A	A	A	X	A	A	A	A	?
Aluminum Chloride 20%	X	X	A	X	A	A	A	?	A	A	A	A	?
Aluminum Fluoride	B	X	B	X	A	A	A	?	A	A	A	A	A
Aluminum Hydroxide	B	X	B	A	A	A	A	?	A	A	A	A	?
Aluminium Hydroxide - Saturated	X	A	B	X	A	A	A	?	A	A	B	B	?
Aluminum Nitrate	X	A	?	B	A	A	?	?	A	A	A	A	?
Aluminium Nitride	?	B	B	?	A	?	?	?	A	A	A	A	?
Aluminium Palmitate	?	?	?	?	?	?	?	?	?	A	?	?	?
Aluminium Phosphate	?	A	?	?	?	?	A	?	A	A	A	A	?
Aluminum Potassium Sulfate 100%	X	B	B	X	A	A	A	?	A	A	A	A	?
Aluminium Potassium Sulfate 2% Solution	A	A	?	?	A	A	A	?	A	A	A	A	?
Aluminum Potassium Sulfate 10% Solution	X	A	X	X	B	A	A	?	A	A	A	A	?
Aluminium Potassium Sulfate 10% Boil	X	B	?	X	?	?	X	X	A	X	X	A	?
Aluminium Potassium Sulfate Sat Boil	X	X	?	X	?	?	A	X	A	X	X	A	?
Aluminium Salts	?	?	?	?	?	A	?	?	?	A	A	A	?
Aluminum Sulfate	B	B	B	B	A	A	A	B	A	A	A	A	?
Amines	B	A	B	X	?	B	A	A	A	X	B	X	?
Ammonia 10%	A	A	A	X	A	A	?	?	A	A	A	X	?
Ammonia, anhydrous	A	A	A	X	A	A	A	X	A	B	A	X	?
Ammonia Aqueous	?	?	?	?	?	?	?	?	?	B	?	?	?
Ammonia Gas Cold	B	A	?	A	?	B	A	?	A	A	A	?	?
Ammonia Gas Hot	X	A	?	X	?	X	A	?	A	X	B	X	?

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Ammonia Liquids	X	A	B	X	A	A	?	?	A	B	A	X	?
Ammonia Nitrate	X	A	B	X	A	A	A	?	A	X	A	X	?
Ammonia, liquid	A	A	B	X	A	A	?	?	A	X	A	X	?
Ammonium Acetate	A	A	?	?	A	A	?	?	A	B	A	A	?
Ammonium Bicarbonate	B	A	?	X	?	?	?	?	A	A	B	?	?
Ammonium Bifluoride	B	B	B	X	A	A	?	?	A	B	A	A	?
Ammonium Carbonate	B	B	B	X	A	A	A	?	A	B	A	A	?
Ammonium Caseinate	?	A	?	X	?	?	?	?	?	?	?	?	?
Ammonium Chloride	B	B	X	B	A	A	?	A	A	B	A	A	?
Ammonium Chloride 1%	X	B	A	A	?	A	A	A	A	B	B	A	?
Ammonium Chloride 10% Solution Boiling	X	B	?	X	X	X	A	X	A	X	B	A	?
Ammonium Chloride 28% Solution Boiling	X	B	?	X	X	X	A	X	A	X	X	A	?
Ammonium Chloride 50% Solution Boiling	X	B	?	X	X	X	A	X	A	X	X	?	?
Ammonium Dichromate	A	A	?	?	?	?	?	?	A	A	A	?	?
Ammonium Diphosphate	X	B	?	?	?	?	?	?	A	A	A	A	?
Ammonium Flouride	B	B	A	?	A	B	?	?	A	B	?	B	?
Ammonium Hydroxide	B	A	B	X	A	A	A	X	A	X	A	B	?
Ammonium Hydroxide 3 Molar	X	B	?	A	B	X	B	B	A	X	X	B	?
Ammonium Hydroxide Concentrated	X	B	?	A	X	?	B	X	A	X	X	X	?
Ammonium Monophosphate	B	B	?	?	?	?	?	?	A	A	A	A	?
Ammonium Nitrate	B	A	B	A	A	A	A	B	A	A	A	A	?
Ammonium Nitrite	B	A	?	A	A	A	A	?	A	A	A	A	?
Ammonium Oxalate	?	A	A	B	?	A	?	?	?	X	A	?	?
Ammonium Oxalate 5% Solution	B	B	A	?	?	B	A	?	A	A	?	?	?
Ammonium Persulfate	X	B	B	X	A	A	?	?	A	A	B	A	?
Ammonium Persulfate 5%	X	B	?	X	A	A	A	?	A	X	X	A	?
Ammonium Persulfate 10%	X	B	?	X	A	A	A	?	A	X	X	A	?
Ammonium Persulfate Solution	X	B	A	X	A	A	A	?	A	X	B	A	?
Ammonium Phosphate	X	B	A	B	A	A	A	B	A	A	A	A	?
Ammonium Phosphate Dibasic	B	X	B	B	A	A	A	B	A	A	A	A	?
Ammonium Phosphate Monobasic	B	X	B	B	A	A	A	B	A	A	A	A	?
Ammonium Phosphate Tribasic	B	B	B	B	A	A	A	B	A	A	A	A	?
Ammonium Salts	?	?	?	?	?	A	?	?	?	A	A	X	?
Ammonium Sulfamate	?	?	?	?	?	?	?	?	?	A	?	?	?
Ammonium Sulfate	A	B	B	B	A	A	A	B	A	A	A	A	?
Ammonium Sulfide	B	A	?	A	A	?	?	?	A	A	A	X	?
Ammonium Sulfite	X	B	A	X	?	A	?	B	A	A	A	X	?
Ammonium Sulphate 1%-5%	B	A	B	A	?	?	?	?	A	A	A	A	?
Ammonium Sulphate + 5% Sulfuric Acid	?	?	?	?	?	?	?	?	A	?	?	?	?
Ammonium Sulphate 10% Boiling	?	A	?	?	?	?	?	?	A	?	?	A	?
Ammonium Sulphate Saturated(Boiling)	?	A	?	?	?	?	?	?	A	?	?	A	?
Ammonium Sulphite (Boiling)	?	A	?	?	?	?	?	?	A	?	?	?	?
Ammonium Thiocyanate	X	B	A	?	?	?	?	?	A	A	A	A	?
Ammonium Thiosulfate	B	A	?	B	?	?	A	?	A	A	A	A	?

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Ammonium Triphosphate	X	A	?	B	?	?	?	?	A	B	?	?	?
Amyl Acetate	A	A	A	B	A	B	B	X	A	X	A	X	?
Amyl Alcohol	B	A	A	A	A	B	B	A	A	B	A	A	?
Amyl Borate	?	?	?	?	?	?	B	?	A	A	X	A	?
Amyl Chloranaphthalene	?	?	?	?	?	?	X	?	A	X	X	A	?
Amyl Chloride	A	A	A	A	A	X	X	?	A	X	X	B	?
Amyl Naphthalene	?	?	?	?	?	?	X	?	A	X	X	A	?
Anderol L-774 (Di-Ester)	?	?	?	?	?	?	?	?	?	B	X	A	?
Anderol L-826 (Di-Ester)	?	?	?	?	?	?	?	?	?	B	X	A	?
Anderol L-829 (Di-Ester)	?	?	?	?	?	?	?	?	?	B	X	A	?
ANG-25 (Di-Ester Base) (TG749)	?	?	?	?	?	?	?	?	?	B	X	A	?
ANG-25 (Glycerol Ester)	?	?	?	?	?	?	?	?	?	B	X	A	?
Anhydrous Ammonia	B	A	A	X	A	A	A	X	A	B	A	X	?
Anhydrous Hydrazine	?	?	?	?	?	?	?	?	?	X	A	X	?
Anhydrous Hydrogen Fluoride	?	?	?	?	?	?	?	?	?	X	A	X	?
Aniline	X	B	B	A	A	A	B	X	A	X	B	A	?
Aniline Oil	X	A	B	X	A	A	?	X	A	X	B	X	?
Aniline Dyes	X	A	?	X	?	?	A	?	A	X	A	A	?
Aniline Hydrochloride	X	X	X	?	A	X	A	?	A	X	B	A	?
Aniline Oil	B	A	B	X	A	B	B	B	A	X	B	X	?
Aniline Sulfite	X	B	?	?	?	?	?	?	?	?	?	?	?
Animal Gelatin	?	A	?	?	?	?	?	?	A	A	A	A	?
Animal Oil (Lard Oil)	A	A	A	A	A	A	B	B	A	A	B	A	?
Anise Oil	?	A	?	X	?	?	?	?	?	?	?	?	?
AN-O-3 Grade M	?	?	?	?	?	?	?	?	?	A	X	A	?
AN-O-366	?	?	?	?	?	?	?	?	?	A	X	A	?
AN-O-6	?	?	?	?	?	?	?	?	?	A	X	A	?
Ansul Either 161 or 181	?	?	?	?	?	?	X	?	A	X	X	X	?
Anthraquinone	B	B	A	?	?	?	?	?	A	?	?	?	?
Antifreeze	A	A	?	X	A	X	A	?	A	A	A	A	?
Anti-Freeze (Alcohol Base)	A	A	?	X	A	A	A	?	A	A	A	A	?
Anti-Freeze (Glycol Base)	A	A	A	A	A	A	A	?	A	A	A	A	?
Antimony Plating 55 °C (130 °F)	A	A	A	A	A	A	?	?	A	A	?	A	?
Antimony Chloride	?	?	B	?	?	?	?	?	?	A	?	?	?
Antimony Trichloride	X	X	B	A	A	A	?	?	A	B	B	A	?
AN-VV-O-366b Hydraulic Fluid	?	?	?	?	?	?	?	?	?	?	X	?	?
Aqua Regia (80% HCl, 20% HNO3)	X	X	X	X	A	B	X	?	A	X	X	B	?
Argon	A	A	?	A	?	?	?	?	A	X	A	A	?
Aristo Wax	?	?	?	?	?	?	?	?	?	A	?	?	?
Arochlor 1248	A	B	A	B	X	X	X	X	A	X	B	A	?
Arochlor 1254	X	B	?	B	X	X	X	?	A	X	B	A	?
Arochlor 1260	X	B	?	B	X	X	X	?	A	A	A	A	?
Aromatic Fuel 30%, Mil.	?	?	?	?	?	?	?	?	?	?	?	A	?
Aromatic Fuel 50%	?	?	?	?	?	?	?	?	?	B	X	A	?

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Aromatic Hydrocarbons	A	X	?	A	A	X	X	X	A	X	X	A	?
Arsenic Plating 110 °F	A	A	A	A	A	A	?	?	A	A	?	A	?
Arsenic Acid	X	A	B	X	A	A	B	?	A	A	A	A	?
Arsenic Salts	?	?	?	?	?	?	?	B	?	?	?	A	?
Arsenic Trichloride	X	X	B	X	?	?	?	?	A	A	X	X	?
Arsenious Acid	A	A	?	X	A	A	A	?	A	B	A	A	?
Ascorbic Acid	A	A	?	?	?	?	A	?	A	?	?	A	?
Askarel	?	A	?	?	?	?	X	?	A	B	X	A	?
Asphalt	A	A	?	B	A	B	B	B	A	B	X	A	?
Asphalt Topping	A	A	A	B	?	?	X	B	A	X	X	X	?
ASTM Oil No. 1	A	A	A	A	?	?	X	A	A	A	X	A	?
ASTM Oil No. 2	A	A	A	A	?	?	X	A	A	A	X	A	?
ASTM Oil No. 3	A	A	A	A	?	?	X	A	A	A	X	A	?
ASTM Oil No. 4	A	A	A	A	?	?	X	A	A	B	X	A	?
ASTM Reference Fuel A	A	A	A	?	?	?	X	A	A	A	X	A	?
ASTM Reference Fuel B	A	A	?	?	?	?	X	A	A	A	X	A	?
ASTM Reference Fuel C	A	A	?	?	?	?	X	A	A	B	X	A	?
ATL-857	?	?	?	?	?	?	X	?	?	B	X	A	?
Atlantic Dominion F	?	?	?	?	?	?	?	?	?	A	X	A	?
Aurex 903R (Mobil)	?	?	?	?	?	?	?	?	?	A	X	A	?
Automatic Brake Fluid	A	A	?	A	?	?	B	?	A	X	A	X	?
Automatic Transmission Fluid	A	A	A	A	?	?	B	?	A	A	X	A	?
Automotive Gasoline (Standard)	A	A	A	A	?	?	X	?	A	A	X	A	?
Aviation Gasoline, Mil.	A	A	A	X	X	X	X	X	A	B	X	A	?
1-Butene, 2-Ethyl	A	A	?	A	?	?	?	?	A	A	X	A	?
Baking Enamels Synthetic	A	A	?	A	?	?	?	X	A	A	?	A	?
Banana Oil	A	A	?	A	A	X	?	B	A	X	B	X	?
Barbeque Sauce	X	A	?	A	A	A	A	A	A	A	A	A	?
Bardol B	?	?	?	?	?	?	?	?	?	X	X	A	A
Barium Carbonate	X	B	B	A	A	A	A	?	A	A	A	A	A
Barium Chloride	X	A	B	A	A	A	A	B	A	A	A	A	A
Barium Chloride-5%	X	A	?	A	A	A	A	?	A	A	A	A	A
Barium Chloride-5% Aqueous Solution (Hot)	X	B	?	?	A	A	A	?	A	A	?	?	?
Barium Cyanide	X	A	A	B	?	X	A	?	A	X	A	A	?
Barium Hydrate	X	A	B	X	A	A	?	?	A	A	A	A	?
Barium Hydroxide	X	B	B	X	A	B	A	B	A	A	A	A	A
Barium Nitrate	B	B	A	B	?	A	?	?	A	A	A	A	?
Barium Salts	?	?	?	?	?	?	?	?	A	A	A	A	A
Barium Sulfate	B	B	A	B	A	B	A	X	A	A	A	A	A
Barium Sulfate Aqueous Solution (Hot)	B	A	?	?	?	?	?	?	A	?	?	?	?
Barium Sulfide	X	B	?	A	A	B	A	A	A	A	A	A	?
Bay Oil	?	A	?	X	A	?	?	?	?	?	?	A	?
Bayol 35	?	?	?	?	?	?	?	?	?	A	X	A	?
Bayol D	?	?	?	?	?	?	?	?	?	A	X	A	?

FLUIDS	METALS			RIGID PLASTICS			PLASTICS			ELASTOMERS			
	Aluminium	Stainless Steel	Hastelloy®	Acetal	Polyvinylidene Fluoride Kynar® or Solex® (PVDF)	Polypropylene	Santoprene®	Hytrel®	Polytetrafluoroethylene (PTFE) Teflon®	Nitrile Butadiene rubber (NBR)	Ethylene Propylene Diene Monomer Rubber (EPDM)	Fluorelastomer, Viton®	Perfluorelastomer (FFKM)
A: Excellent B: Good C: Moderate effect D: Not recommended X: Not recommended, material incompatible ?: Not enough information													
Beef Extract	X	A	?	A	A	A	A	A	A	A	X	A	A
Beer	A	A	A	A	A	A	A	A	A	A	A	A	A
Beet Sugar Liquids	A	A	?	B	A	A	A	A	A	A	A	A	?
Beet Sugar Liquors	A	A	?	A	A	A	A	B	A	A	A	A	A
Benzaldehyde	B	B	A	A	A	X	?	B	A	X	A	X	A
Benzene (Benzol)	B	B	B	A	A	X	B	X	A	X	X	A	?
Benzene Sulfonic Acid	X	B	B	X	X	X	A	B	A	X	X	A	A
Benzine (Gasoline)	A	A	?	A	A	X	X	X	A	A	A	A	?
Benzochloride	X	B	?	?	A	X	X	X	A	X	A	A	A
Benzoic Acid	B	B	B	B	A	B	A	X	A	X	X	A	A
Benzol	B	A	B	A	A	B	B	X	A	X	X	A	?
Benzonitrile	?	X	X	?	?	?	?	?	A	?	?	?	A
Benzophenone	B	B	B	?	?	?	?	?	A	A	B	A	?
Benzyl Acetate	A	A	B	?	?	B	?	X	A	X	?	X	A
Benzyl Alcohol	B	B	A	A	A	A	?	B	A	X	B	A	?
Benzyl Benzoate	A	B	B	?	?	?	X	?	A	X	B	A	A
Benzyl Chloride (Chlorotoluene)	X	B	X	A	A	X	X	?	A	X	X	A	?
Benzyl Dichloride (Benzal Chloride)	X	A	?	A	X	X	X	X	A	X	X	X	?
Bichloride of Mercury	X	X	?	?	?	?	A	?	A	A	A	A	A
Biphenyl (Diphenyl)	A	A	?	?	A	?	?	?	A	X	X	A	?
Bismuth Carbonate	X	B	?	A	A	B	A	A	A	A	A	A	?
Bismuth Subcarbonate	X	B	?	A	A	A	A	A	A	A	A	A	?
Black Point 77	?	?	?	?	?	?	?	?	?	A	A	A	A
Black Sulphate Liquor	X	A	B	?	A	A	A	?	A	B	B	A	?
Blast Furnace Gas	B	A	?	A	?	X	A	?	A	X	X	A	A
Bleaching Liquors	X	B	?	X	?	A	B	X	A	X	A	A	?
Bleach Solutions	X	B	B	?	B	B	B	X	A	B	A	A	A
Bleaching Power (Wet)	X	X	?	A	?	?	?	?	A	A	A	?	?
Blood (Meat Juices - Cold)	?	A	?	?	A	A	A	?	A	B	A	B	A
Bone Oil	?	A	?	X	A	A	?	?	A	A	?	A	A
Borax (Sodium Borate)	B	A	B	B	A	B	A	A	A	B	A	A	?
Bordeaux Mixtures	X	A	A	A	?	?	A	B	A	A	A	A	A
Boric Acid	X	A	A	A	A	A	A	A	A	A	A	A	?
Boron Fuels (HEF)	A	A	?	A	A	X	?	?	A	X	X	A	A
Brake Fluid (Non-Petroleum)	A	A	A	A	A	X	?	?	A	X	A	X	?
Brass Plating Regular Bath 38 °C (100 °F)	A	A	A	A	B	A	?	?	A	A	?	A	?
Brass Plating High Speed Bath 44 °C (110 °F)	A	A	A	A	B	A	?	?	A	A	?	A	?
Bray GG - 130	?	?	?	?	?	?	?	?	?	B	X	A	?
Brayco 719-R (VV-H-910)	?	?	?	?	?	?	?	?	?	X	A	X	?
Brayco 885 (Mil-L-6085A)	?	?	?	?	?	?	?	?	?	B	X	A	?
Brayco 910	?	?	?	?	?	?	?	?	?	B	A	X	?
Bret 710	?	?	?	?	?	?	?	?	?	B	A	X	?
Brewery Slop	?	A	?	B	A	A	A	?	A	A	?	A	?
Brine	B	B	A	A	?	A	A	B	A	A	A	B	?

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Brom-113	?	?	?	?	?	?	?	?	?	B	X	?	?
Brom-114	?	?	?	?	?	?	?	?	?	B	X	B	A
Bromine (Dry)	X	X	A	X	A	X	X	X	A	X	X	A	A
Bromine (Wet)	X	X	?	X	?	X	X	?	A	X	X	A	?
Bromine Pentafluoride	X	X	?	X	?	?	?	?	X	X	X	X	?
Bromine Trifluoride	X	B	?	?	?	X	X	X	A	X	X	A	?
Bromine Water	X	X	?	X	A	X	X	X	A	X	X	B	?
Bromine-Anhydrous	X	X	A	?	A	X	X	X	A	X	X	A	A
Bromobenzene	A	A	B	X	?	X	X	?	A	X	X	B	A
Bromochloro Trifluoroethane	X	?	?	?	?	X	?	?	A	X	X	A	?
Bromochloromethane	X	B	B	X	?	?	?	?	A	X	B	X	?
Bromotoluene	A	A	A	X	X	X	X	X	A	X	B	B	?
Bronze Plating Cu-Cd Bath R.T.	A	A	A	A	A	A	?	?	A	A	A	A	?
Bronze Plating Cu-Sn Bath 70 °C (160 °F)	A	A	A	B	A	A	?	?	A	A	A	A	?
Bronze Plating Cu-Zn Bath 38 °C (100 °F)	A	A	A	A	A	A	?	?	A	A	?	A	?
Bronzing Liquid	?	A	A	?	A	A	A	?	A	X	B	X	?
Bunker Oil	A	A	A	A	?	?	B	?	A	A	X	A	A
Butadiene (Monomer)	A	A	X	A	A	X	X	?	A	X	X	B	?
Cadmium Plating Cyanide Bath 32 °C (90 °F)	A	A	A	A	A	A	?	?	A	A	?	A	?
Cadmium Plating Fluoborate 38 °C (100 °F)	A	A	X	X	A	A	?	?	A	B	?	A	?
Cadmium Sulfate (25% Concentration)	X	A	?	?	?	?	?	?	A	B	A	X	?
Calcine Liquors	?	?	?	?	?	?	?	?	A	A	A	A	A
Calcium Acetate	X	B	B	X	?	?	?	?	A	B	A	X	?
Calcium Acid Sulphate	?	?	?	?	?	?	?	?	?	A	A	?	?
Calcium Bisulfate	?	A	?	?	?	?	?	?	?	A	A	?	A
Calcium Bisulfide	X	B	A	X	A	A	X	B	A	A	X	A	?
Calcium Bisulfite	X	A	B	X	A	A	?	B	A	A	X	A	A
Calcium Carbonate	X	B	B	A	A	A	A	?	A	A	A	A	?
Calcium Chlorate	A	A	B	A	A	?	?	?	A	A	A	A	A
Calcium Chloride	X	B	A	X	A	A	A	A	A	A	A	A	A
Calcium Cyanide	?	?	?	?	?	?	?	?	A	A	A	?	?
Calcium Hydrosulfide	?	?	?	?	?	?	?	?	A	A	?	A	A
Calcium Hydroxide	X	B	A	X	A	A	?	B	A	A	A	A	?
Calcium Hydroxide-10% (Boiling)	X	A	A	?	X	X	A	B	A	B	?	A	?
Calcium Hydroxide-20% Solution (Boiling)	X	A	?	?	X	X	A	B	A	?	?	A	?
Calcium Hydroxide-50% Solution (Boiling)	X	B	?	?	X	X	A	B	A	?	?	A	?
Calcium Hypochloride	?	?	A	?	?	?	?	B	?	X	A	A	A
Calcium Hypochlorite	X	B	B	X	A	A	A	X	A	X	B	A	?
Calcium Nitrate	B	B	B	X	A	A	A	?	A	A	A	A	A
Calcium Oxide (Unslaked Lime)	X	A	A	A	A	A	?	A	A	A	A	B	A
Calcium Phosphate	?	B	?	?	?	?	?	?	A	A	A	A	?
Calcium Salts	?	?	?	?	?	?	?	?	A	A	A	A	A
Calcium Silicate	A	A	A	?	?	?	?	?	A	A	A	A	A
Calcium Sulfate	X	B	B	X	A	A	A	?	A	A	A	A	A

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Calcium Sulfate - Saturated	B	A	B	?	A	A	A	?	A	A	?	A	A
Calcium Sulfide	B	A	A	?	A	A	A	?	A	B	A	A	A
Calcium Sulfite	B	A	?	?	?	?	?	?	A	A	A	A	A
Calcium Thiosulfate	?	?	?	?	?	?	?	?	A	B	A	A	?
Calgon	B	A	?	A	?	A	A	?	A	A	A	A	?
Caliche Liquors	?	?	?	?	?	?	?	?	A	A	A	A	?
Camphor	B	B	?	?	?	A	?	?	A	?	?	?	?
Cane Juice	B	A	?	A	A	X	A	A	A	A	A	A	?
Cane Sugar Liquors	A	A	?	?	?	A	A	A	A	A	A	A	?
Caproic Aldehyde	A	B	?	?	?	?	?	?	A	?	B	X	?
Capryl Alcohol (Octanol)	A	A	A	?	?	?	?	?	A	A	X	B	?
Caprylic Acid (Caprillic acid)	A	A	A	?	A	?	?	?	A	X	X	?	?
Carbamate	?	?	?	?	?	?	A	X	A	B	B	A	?
Carbitol	B	B	?	?	A	X	B	?	A	B	B	B	?
Carbolic Acid (Phenol)	A	B	A	X	A	B	?	X	A	X	B	A	?
Carbon Bisulfide	B	B	?	A	A	X	X	X	A	X	X	A	?
Carbon Dioxide (dry)	B	A	A	A	A	A	A	A	A	A	B	B	?
Carbon Dioxide (wet)	A	A	A	A	A	A	A	A	A	A	B	B	A
Carbon Disulfide	A	B	B	A	B	X	X	X	A	X	X	A	A
Carbon Monoxide	A	A	B	A	B	A	A	A	A	A	A	A	?
Carbon Tetrachloride - Pure	X	B	A	B	A	X	X	X	A	X	X	A	?
Carbon Tetrachloride (dry)	X	B	B	?	A	X	?	X	A	X	B	A	?
Carbon Tetrachloride (wet)	X	A	B	A	A	X	?	?	A	X	X	?	?
Carbon Tetrachloride 5-10% Aqueous Solution	X	B	?	A	X	X	X	X	A	B	X	A	?
Carbonate of Soda	A	A	?	X	A	A	A	A	A	B	B	X	?
Carbonated Beverages	B	A	A	A	A	A	A	A	A	A	A	A	?
Carbonated Water	A	A	A	A	A	B	A	A	A	A	A	A	?
Carbonic acid	A	A	?	A	A	A	A	B	A	X	B	A	?
Carboxymethyl Cellulose	?	?	?	?	?	?	?	?	A	?	?	?	A
Casein	B	B	B	?	?	?	A	?	A	A	A	A	?
Casing Head Gas	?	?	?	?	?	?	B	?	?	A	?	A	A
Castor Oil	A	A	A	A	A	A	A	B	A	B	B	A	?
Catsup (Ketchup)	X	A	A	B	A	A	A	A	A	A	A	A	?
Caustic	X	A	?	?	?	?	?	?	?	X	?	A	A
Cellosolve	B	B	A	A	A	A	X	X	A	X	B	B	A
Cellosolve, Acetate	A	B	A	?	A	B	X	X	A	X	B	X	?
Cellosolve, Butyl	B	B	?	?	?	?	X	X	A	X	B	X	?
Celluguard	?	?	?	?	?	?	?	?	A	A	A	A	?
Cellulube Hydraulic Fluids	A	A	?	A	?	?	X	?	A	X	A	B	?
Cellutherm 2505A	?	?	?	?	?	?	?	?	A	B	X	A	?
Cetane (Hexadecane)	?	?	?	?	?	?	?	?	?	A	A	A	A
China Wood Oil (Tung Oil)	A	A	A	A	A	?	B	A	A	A	X	A	?
Chloroacetaldehyde	?	?	?	?	?	?	?	?	A	?	?	?	A
Chloroacetic Acid	X	X	?	X	A	A	X	X	A	X	B	X	?

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Chloracetone	X	B	?	B	A	X	X	X	A	X	A	X	?
Chlorate of Lime	?	?	?	X	?	?	?	?	A	?	B	X	?
Chlorbenzol (Conc. Pure)	?	A	?	?	?	?	?	?	A	?	?	?	?
Chlorextol	?	?	?	?	?	?	?	?	A	B	X	A	?
Chloric Acid	X	X	A	X	A	X	?	?	A	X	?	?	?
Chlorinated Glue	X	A	?	X	?	?	X	?	A	B	B	A	?
Chlorinated Salt Brine	X	?	?	?	?	?	?	?	A	X	X	A	?
Chlorinated Solvents, Dry	X	A	?	A	?	?	?	?	A	X	X	A	?
Chlorinated Solvents, Wet	X	?	?	A	?	?	?	?	A	X	X	A	?
Chlorinated Water - Saturated	B	B	?	X	A	X	A	?	A	B	B	A	?
Chlorinated Lime - 35% (Bleach)	?	A	A	?	?	?	?	?	A	X	A	A	B
Chlorine Dioxide	A	X	?	?	A	X	X	X	A	X	X	A	B
Chlorine Gas - 100%	X	X	?	X	A	X	X	X	A	X	X	?	B
Chlorine Gas - Dry	X	B	A	X	A	X	X	X	A	B	A	A	B
Chlorine Gas - Moist	X	X	?	X	A	B	X	X	A	X	X	?	?
Chlorine Trifluoride	A	A	?	X	X	X	X	X	A	X	X	X	A
Chlorine Water	X	X	A	X	B	X	?	?	A	X	X	A	A
Chlorine, Anhydrous Liquid	X	X	X	A	A	X	X	X	A	X	B	A	A
Chlorine, Dry	X	B	A	X	A	B	X	X	A	B	B	A	A
Chlorine, Wet	X	X	A	X	A	B	X	X	A	X	B	A	?
Chloroacetic Acid	X	A	A	X	A	X	X	X	A	X	B	X	A
Chlorobenzene (Mono)	A	B	A	X	A	X	X	X	B	X	X	A	A
Chlorobromomethane	X	B	?	?	?	A	X	X	A	X	B	A	A
Chlorobutadiene	X	A	B	B	?	X	X	?	A	X	B	A	?
Chlorodane	X	?	?	?	?	?	X	?	?	B	X	A	?
Chlorododecane	X	?	?	?	?	X	X	?	A	X	X	A	?
Chloroform	B	A	A	A	A	X	X	X	A	X	X	A	?
Chloropicrin	X	?	?	?	?	?	?	?	A	?	?	?	A
Chlorosulfonic Acid (Dry)	X	B	A	X	X	X	A	X	A	X	X	X	A
Chlorosulfonic Acid (Wet)	X	X	B	X	X	X	A	X	A	X	X	X	A
Chlorotoluene	X	B	A	A	A	X	X	X	A	X	X	A	?
Chlorox (Bleach)	X	A	?	X	A	B	B	?	A	B	B	A	?
Chocolate Syrup	A	A	?	A	A	A	?	A	A	A	A	A	A
Chrome Alum	?	A	?	?	X	A	?	?	A	A	A	A	?
Chrome Plating Solutions	X	A	?	X	A	X	B	?	A	X	B	A	?
Chromic Acid 5%	X	A	B	X	A	X	A	X	A	X	A	A	A
Chromic Acid 10%	X	B	A	X	A	X	?	X	A	X	X	B	A
Chromic Acid 30%	X	B	X	X	A	X	?	X	A	X	B	A	A
Chromic Acid 50%	X	B	B	X	A	X	X	X	A	X	B	A	A
Chromic Acid 50% Solution (Hot)	X	X	?	X	?	?	X	X	A	X	?	?	A
Chromic Oxide 88 Wt. % Aqueous Solution	?	?	?	?	?	?	?	?	?	X	B	A	?
Chromium Plating Barrel Chrome 35 °C (95 °F)	A	X	X	X	X	A	?	?	A	X	?	X	?
Chromium Plating Black Chrome 46 °C (115°F)	A	X	X	X	X	A	?	?	A	X	?	X	?
Chrome Plating Chromic-Sulfuric 55 °C (130 °F)	A	X	X	X	X	A	?	?	A	X	?	X	?

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Chromium Plating Bath	?	A	?	?	?	?	B	?	A	?	?	?	?
Chromium Plating Fluoride Bath 55 °C (130 °F)	A	X	X	X	X	A	?	?	A	X	?	X	?
Chromium Plating Fluosilicate 65 °C (150 °F)	A	X	X	X	X	X	?	?	A	X	?	X	?
Chromium Salts	?	?	?	?	?	?	?	B	?	?	?	?	?
Chromium Sulfate (Basic)	?	B	?	?	?	?	?	?	A	?	?	?	A
Cider	B	A	?	A	?	A	?	B	?	A	A	A	A
Cider (Apple Juice)	B	A	A	A	A	A	A	B	A	A	A	A	?
Cinnamon Oil	?	A	?	X	?	X	?	?	A	?	?	A	?
Circo Light Process Oil	A	A	?	A	?	?	?	?	A	A	X	A	A
Citric Acid	X	A	A	B	A	A	?	A	A	A	A	A	A
Citric Acid - 5% Solution	A	A	A	B	A	A	A	A	A	B	A	A	A
Citric Acid - 5% Solution at 65 °C (at 150 °F)	B	A	?	X	A	A	?	?	A	B	A	A	A
Citric Acid - 15% Solution	?	A	?	X	?	?	A	A	A	B	A	A	A
Citric Acid - 15% Solution (Boiling)	X	A	?	X	?	?	?	?	A	B	A	A	A
Citric Acid - Concentrated (Boiling)	X	B	?	X	?	?	?	?	A	X	A	A	?
Citric Oil	A	A	A	A	A	A	?	?	A	X	B	A	A
Citric Oils	X	A	?	B	?	A	X	?	A	A	B	A	?
Citrus Pectin Liquor	B	A	?	?	?	A	?	?	A	A	?	A	?
Clorox (Bleach)	A	A	A	X	A	X	?	?	A	X	B	A	?
Clove Oil	B	A	A	?	?	?	?	?	A	A	?	A	?
Coal Gas	?	?	?	?	?	?	?	B	?	X	A	A	A
Coal Tars	A	A	A	A	?	B	B	?	A	B	X	A	?
Cobalt Chloride	X	?	?	?	?	A	A	?	A	A	A	A	?
Coca Cola Syrup	?	A	?	?	?	?	?	?	A	?	?	?	A
Coconut Oil (Coconut Butter)	A	A	A	A	A	A	?	?	A	A	X	A	A
Cod Liver Oil (Fish Oil)	A	A	A	B	A	A	B	?	A	A	A	A	A
Coffee	A	A	A	A	?	A	A	?	A	A	A	A	A
Coke Oven Gas	?	?	?	A	A	?	B	?	A	A	A	A	?
Coliche Liquors	?	?	?	?	?	?	?	?	?	A	A	?	?
Convelex 10	?	?	?	?	?	?	?	?	?	X	?	?	?
Coolanaol (Monsanto)	?	?	B	?	?	?	?	?	?	A	X	A	?
Copal Varnish	?	A	?	?	?	?	?	?	A	?	?	?	?
Copper Acetate	X	A	B	?	A	?	?	?	A	B	A	X	?
Copper Acetate - Saturated Solution	X	A	?	?	A	?	?	?	A	B	A	X	A
Copper Chloride	?	X	?	A	A	A	?	A	A	A	A	A	A
Copper Chloride 1%	X	B	B	A	A	A	A	A	A	A	A	A	A
Copper Chloride 5% Solution	X	B	?	A	A	?	A	A	A	A	A	A	A
Copper Cyanide	X	B	A	A	A	A	A	?	A	A	A	A	?
Copper Fluoborate	X	X	B	B	A	X	A	?	A	B	A	A	A
Copper Nitrate	X	A	B	A	A	A	?	?	A	A	?	A	A
Copper Nitrate - 1% & 5%	X	A	A	A	A	A	A	?	A	A	A	A	?
Copper Nitrate 50% Aqueous Solution (Hot)	X	A	?	A	?	?	?	?	A	A	A	A	?
Copper Plating Fluoborate Bath 120 °F	A	X	X	X	A	A	?	?	A	B	?	A	?
Copper Salts	?	?	?	?	A	?	?	?	?	A	A	A	?

FLUIDS	METALS			RIGID PLASTICS			PLASTICS			ELASTOMERS			
	Aluminium	Stainless Steel	Hastelloy®	Acetal	Polyvinylidene Fluoride Kynar® or Solex® (PVDF)	Polypropylene	Santoprene®	Hytrel®	Polytetrafluoroethylene (PTFE) Teflon®	Nitrile Butadiene rubber (NBR)	Ethylene Propylene Diene Monomer Rubber (EPDM)	Fluorelastomer, Viton®	Perfluorelastomer (FFKM)
A: Excellent B: Good C: Moderate effect D: Not recommended X: Not recommended, material incompatible ?: Not enough information													
Copper Saturated Solution (Boiling)	X	A	?	?	?	?	?	?	A	A	?	A	A
Copper Sulfate	X	B	?	A	A	A	?	A	A	A	A	A	A
Copper Sulfate 5%	X	B	A	X	A	A	?	A	A	A	A	A	A
Copper Sulfate >5%	X	B	A	X	A	A	?	A	A	A	A	A	A
Copper Sulfate 10%	X	B	?	A	A	?	?	A	A	A	A	A	A
Copper Sulfate 50%	?	B	?	A	A	?	?	A	A	A	A	A	A
Copper Sulphate - 5% Solution	X	A	A	B	A	A	?	A	A	A	A	A	?
Copperas	?	?	?	?	?	?	?	?	A	?	?	?	?
Core Oil	A	A	?	?	?	?	?	?	A	A	?	?	?
Corn Oil	A	A	A	A	A	A	A	A	A	X	X	B	A
Cottonseed Oil	A	A	A	A	A	A	X	A	A	A	X	A	?
Cream	A	A	?	A	?	A	A	?	A	A	?	A	?
Creosols	B	A	B	X	A	X	X	X	A	X	X	A	?
Creosote Oil	B	B	B	X	?	X	?	X	A	X	X	A	?
Creosote, Coal Tar	B	B	B	A	?	X	X	X	A	A	X	A	A
Cresols	A	A	B	X	A	X	?	X	?	X	X	A	?
Cresote, Wood	?	B	?	X	?	X	B	X	A	A	X	A	?
Cresylic Acid	B	A	B	X	B	A	B	X	A	X	X	A	?
Crotonaldehyde	A	A	A	?	?	?	?	?	A	X	?	A	?
Crude Oil	A	A	B	A	A	A	B	?	A	X	X	A	A
Cumene (isopropylbenzene)	B	B	B	A	?	?	B	?	A	X	X	A	?
Cupric Acid	X	B	A	?	?	A	?	?	A	B	A	A	?
Cutting Oil (Sulfur Base)	A	A	A	A	?	?	?	?	A	A	X	?	?
Cutting Oil (Water Soluble)	A	A	A	A	?	?	?	?	A	A	X	A	A
Cyanic Acid	?	A	?	X	?	A	B	?	A	X	?	A	?
Cyanide Plating Copper Strike 50 °C (120 °F)	?	A	A	A	B	A	?	?	A	A	?	A	?
Cyanide Plating High-Speed Bath 80 °C (180 °F)	A	A	A	B	A	A	?	?	A	A	?	A	?
Cyanide Plating Rochelle Salt 65 °C (150 °F)	A	A	A	B	A	A	?	?	A	A	?	A	A
Cyclohexane	A	A	B	A	A	X	X	A	A	B	X	A	A
Cyclohexanol	X	B	A	A	A	B	B	?	A	B	X	A	?
Cyclohexanone	A	A	A	A	X	X	X	?	A	X	B	X	A
O - Chloronaphthalene	X	B	?	?	?	X	X	?	A	X	A	A	A
O - Chlorphenol	X	B	?	B	?	B	X	X	A	X	X	A	?
P-Cymene	?	?	?	A	?	?	?	?	A	X	A	X	A
D.D.T.	B	A	?	A	?	?	?	?	A	A	A	A	?
Decalin	?	?	?	?	A	B	B	?	A	X	X	A	?
Decanal	?	?	?	?	?	?	?	?	A	X	X	X	?
Decane	?	?	?	?	?	A	B	?	A	A	X	A	?
Decyl Alcohol (Decanol)	?	?	?	?	?	?	?	?	A	A	?	B	?
Degreasing Fluid (Chlorinated)	?	?	?	?	?	?	?	?	?	?	?	A	?
De-ionized Water	?	?	A	?	?	?	?	?	?	A	A	?	?
Denatured Alcohol	A	A	A	?	A	A	B	?	A	A	A	A	A
Detergent Solutions	B	A	B	A	A	A	A	B	A	A	A	A	A
Developing Fluids (Photo)	?	B	A	A	?	B	A	X	A	A	B	A	A

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Dextron	?	?	?	?	?	?	?	?	?	A	X	A	A
Dextrose	A	A	A	?	A	A	A	A	A	B	A	A	A
Diacetone	A	A	?	?	?	?	?	?	A	X	A	X	?
Diacetone Alcohol	A	A	A	A	A	B	B	X	A	X	A	X	?
Diamylamine	?	?	?	?	?	?	?	X	A	A	?	?	A
Diazinon	?	?	?	?	?	?	?	X	?	X	X	B	A
Dibenzyl Ether	A	A	B	?	X	?	X	?	A	X	B	X	?
Dibenzyl Sebacate	?	?	?	?	?	?	X	A	A	X	B	B	A
Dibromoethyl Benzene	?	?	?	?	?	?	?	?	A	X	X	A	X
Dibutyl Ether	A	A	?	?	A	X	B	?	A	X	X	X	A
Dibutyl Phthalate	A	A	A	A	B	X	B	A	A	X	B	X	A
Dibutyl Sebacate	?	A	?	?	A	A	B	A	A	X	B	B	A
Dibutylamine	?	A	?	?	?	X	?	?	A	X	X	X	?
Dichlorethane	X	A	B	?	B	B	?	?	B	X	X	A	A
Dichloroacetic Acid	?	A	?	?	X	A	?	?	A	X	X	X	?
Dichlorobenzene	B	B	A	?	A	X	?	?	A	X	X	X	?
Dichloro-Butane	X	B	?	?	?	?	?	?	A	B	X	A	?
Dichloroethane	B	B	A	A	A	X	?	?	A	X	?	X	?
Dichloroethyl Ether	X	?	?	?	?	?	?	?	A	X	?	?	X
Dichloro-isopropyl Ether	X	?	?	?	?	X	X	?	A	X	X	X	A
Dichloropentane	X	?	?	?	?	?	?	?	A	X	?	?	A
Dichlorophenol	X	A	?	?	?	?	?	?	?	?	?	A	A
Dicyclohexylamine	X	?	?	?	?	?	B	?	A	X	X	X	?
Diesel Fuel Oil (20, 30, 40, 50)	A	A	B	X	A	A	?	A	A	A	X	A	?
Diesel Fuel	A	A	B	A	A	A	?	?	A	A	X	A	?
Diesel Oil (Fuel ASTM #2)	A	A	A	A	A	B	B	B	A	A	X	A	X
Di-Ester Lubricant Mil-L-7808	A	A	?	?	?	?	?	?	?	B	X	A	A
Di-Ester Synthetic Lubricants	A	A	A	?	?	?	?	?	A	B	X	A	A
Diethanolamine	A	A	A	?	?	A	A	X	A	X	B	X	A
Diethyl Aniline	?	?	?	?	?	?	?	?	?	?	A	?	?
Diethyl Benzene	?	?	?	?	?	X	X	?	A	X	X	A	A
Diethyl Carbonate	?	?	?	?	?	?	X	?	A	X	?	A	A
Diethyl Ether	B	B	B	A	A	A	A	X	A	X	X	X	?
Diethyl Phthalate (Dep)	A	A	A	?	?	?	?	?	A	X	?	X	?
Diethyl Sebacate	A	A	A	?	A	A	B	A	A	X	B	B	A
Diethyl Sulfate	?	?	?	?	?	?	?	?	?	X	?	X	X
Diethylamine	B	A	A	B	X	A	B	?	X	X	B	A	?
Diethylene Ether (Dioxane)	A	A	?	?	B	B	X	?	A	X	A	X	?
Diethylene Glycol	B	A	B	A	A	A	A	?	A	A	A	A	?
Diethylene Triamine	A	A	A	?	?	?	A	?	A	B	B	?	?
Difluorodibromomethane	X	?	?	?	?	?	?	B	?	X	B	?	?
Dilsobutyl Ketone	A	A	A	?	A	A	?	?	A	X	B	X	?
Dilsobutylene	B	B	?	A	A	A	X	?	A	B	X	A	?
Dilsodecyl Adipate (Dida)	?	?	?	?	?	?	?	?	A	X	?	X	?

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Dilsodecyl Phthalate (Diop)	?	?	?	?	?	?	?	?	A	X	A	X	?
Dilsooctyl Adipate (Dioa)	A	A	A	?	?	?	?	?	A	X	?	X	?
Dilsooctyl Phthalate (Diop)	?	?	?	?	?	?	?	?	A	X	?	X	?
Dilsooctyl Sebacate	A	A	?	?	?	?	?	?	A	X	X	B	?
Dilsopropyl Amine	?	?	?	?	?	?	?	?	A	B	?	?	?
Dilsopropyl Benzene	?	?	?	?	?	?	X	?	A	X	X	A	A
Dilsopropyl Ketone	A	A	?	A	?	?	X	?	A	X	A	X	?
Dimethyl Aniline	A	B	B	X	A	X	B	?	A	X	B	X	?
Dimethyl Formamide	A	B	A	X	X	A	A	B	A	X	B	X	?
Dimethyl Phthalate	A	B	A	?	A	A	A	A	A	X	B	B	?
Dimethyl Silfide	A	A	?	?	?	?	?	?	A	X	?	X	A
Dimethyl Sulfate	?	?	?	?	?	?	?	?	A	X	?	X	?
Dinitro Toluene	?	A	?	?	?	?	?	?	A	X	X	X	?
Diocetyl Phthalate	A	A	?	B	?	B	X	A	A	X	B	B	A
Diocetyl Sebecate	A	A	?	B	?	?	X	?	A	X	B	X	A
Diocetylphalate	A	A	?	B	?	X	?	?	A	B	B	A	?
Dioxane	B	A	?	?	X	B	X	?	A	X	B	X	?
Dioxolane (Dioxalans)	?	?	?	?	?	?	X	?	A	X	B	X	?
Dipentene	A	A	A	?	?	?	X	?	A	A	X	A	?
Diphenyl	B	B	B	?	A	X	X	?	A	X	X	A	A
Diphenyl Oxide	B	A	B	X	B	X	X	?	A	A	X	A	?
Dipropyl Ketone (Butyrene)	A	A	?	A	?	?	?	?	A	X	X	X	A
Dipropylamine	?	?	?	?	?	?	?	?	A	B	?	?	?
Dipropylene Glycol	?	A	?	?	B	B	A	?	A	A	B	A	?
Dispersing Oil #10	A	A	A	?	?	?	?	?	A	X	X	B	A
Divinyl Benzene (DVB)	?	?	?	?	?	?	?	?	A	X	X	A	A
Dodecyl Benzene (Alkane)	A	A	?	?	?	?	?	?	A	X	?	A	?
Dow (Silicones)	A	?	?	?	?	?	?	?	A	A	?	A	?
Dowtherm A	A	A	?	?	?	?	X	B	A	X	X	A	?
Dowtherm E	A	A	?	?	?	?	X	B	A	X	X	A	?
Drilling Mud (Oil Base)	?	?	?	?	?	?	?	?	?	A	?	?	?
Drilling Mud (Water Base)	?	?	?	?	?	?	?	?	?	A	?	?	?
Drinking Water	A	A	?	A	?	?	A	B	A	A	A	A	?
Dry Cleaning Fluid	A	A	?	?	?	X	X	?	A	X	X	A	X
DTE Light Oil	A	A	?	A	?	?	?	A	A	A	X	A	?
Dyes	B	A	?	X	?	?	B	?	A	?	?	A	?
P-Dichlorbenzene	X	A	?	?	?	?	X	X	?	X	X	A	?
Elco 28-EP Lubricant	A	A	?	A	?	?	?	?	A	A	X	A	?
Epichlorohydrin	A	A	A	B	X	B	B	X	A	X	B	X	A
Epoxy Resins	A	A	?	A	?	?	?	?	A	?	A	X	?
Epsom Salts (Magnesium Sulfate)	B	B	B	B	A	A	A	B	A	A	A	A	?
Esam-6 Fluid	?	?	?	?	?	?	?	?	?	?	A	X	?
Esstic 42, 43	?	?	?	?	?	?	?	?	?	A	X	A	A
Ethane	A	A	A	A	A	X	X	?	A	A	X	A	A

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Ethanol	B	A	A	A	A	A	A	A	A	X	A	A	A
Ethanol Chloride	?	?	?	?	?	?	?	?	?	?	?	?	?
Ethanolamine (Aminoethanol)	B	A	B	X	X	X	A	X	A	B	B	X	?
Ether (Ethyl Methyl, Isor.)	B	A	B	A	B	X	X	B	A	X	X	X	A
Ethers	A	A	B	A	B	X	X	B	A	X	X	X	?
Ethyl Acetate	A	B	A	A	X	A	B	B	A	X	B	X	?
Ethyl Acetoacetate	A	A	A	A	X	?	X	?	A	B	B	X	A
Ethyl Acrylate	A	A	A	?	X	B	B	?	A	X	B	X	?
Ethyl Alcohol (Ethanol)	B	A	A	A	A	A	A	A	A	X	A	A	A
Ethyl Aluminium Dichloride	?	?	?	?	?	?	?	?	A	X	?	B	?
Ethyl Amine (Monoethylamine)	B	A	?	?	?	?	A	?	A	X	A	X	?
Ethyl Benzene	A	A	A	?	?	B	A	?	A	X	A	A	?
Ethyl Benzoate	A	A	A	?	X	B	?	?	A	X	X	A	?
Ethyl Bromide	A	A	?	?	?	?	?	?	A	B	X	A	?
Ethyl Butyl Acetate	?	?	?	?	?	?	?	?	A	X	?	X	?
Ethyl Butyl Alcohol	?	?	?	?	?	?	?	?	A	A	?	B	A
Ethyl Butyl Ketone	?	?	?	?	?	?	?	?	A	X	?	X	?
Ethyl Butyraldehyde	?	?	?	?	?	?	?	?	A	X	?	X	?
Ethyl Butyrate	B	A	A	?	?	X	?	?	A	X	X	X	?
Ethyl Caprylate	?	?	?	?	?	?	?	?	A	X	X	?	?
Ethyl Cellose	A	A	B	A	?	B	A	B	A	B	B	X	?
Ethyl Cellosolve	?	?	?	A	?	?	B	?	A	X	A	X	?
Ethyl Chloride (Dry)	B	A	B	A	A	X	X	X	A	A	A	A	?
Ethyl Chloride (Wet)	A	A	?	A	?	X	X	X	A	X	A	A	?
Ethyl Chlorocarbonate	X	?	?	A	?	X	X	?	A	X	X	A	?
Ethyl Chloroformate	X	?	?	A	?	X	X	?	A	X	X	A	?
Ethyl Cyanide (Propionitrile)	?	?	?	?	?	?	?	?	A	X	A	X	?
Ethyl Ether	B	B	B	A	A	X	X	?	A	X	X	X	A
Ethyl Formate	A	A	B	?	?	?	B	?	A	X	B	A	A
Ethyl Iodide	?	?	?	?	?	?	?	?	A	X	X	B	?
Ethyl Isobutyrate	?	?	?	?	?	?	?	?	A	X	X	?	?
Ethyl Mercaptan	B	B	B	?	?	?	X	?	A	X	X	X	?
Ethyl Oxalate	A	?	?	?	?	?	B	?	A	X	X	A	?
Ethyl Pentachlorobenzene	X	?	?	?	?	X	X	?	A	X	X	A	?
Ethyl Propionate	A	A	A	?	?	?	?	?	A	X	X	?	A
Ethyl Silicate	B	A	A	A	?	?	B	?	A	A	A	A	A
Ethyl Sulfate	?	X	?	?	?	?	B	?	A	A	?	A	A
Ethylacrylic Acid	?	?	?	?	?	?	?	?	?	X	B	A	A
Ethylcyclopentane	?	?	?	?	?	?	?	?	?	A	X	A	A
Ethylene (Ethene)	A	A	?	A	?	?	X	?	A	A	B	A	X
Ethylene Bromide	B	A	B	?	A	X	?	?	A	X	X	A	A
Ethylene Chloride	B	B	B	A	A	X	X	?	A	X	X	B	A
Ethylene Chlorohydrin	B	B	B	X	A	X	X	X	A	X	B	A	?
Ethylene Diamine	B	B	X	X	B	A	A	?	A	A	A	B	?

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Ethylene Dibromide	X	A	B	?	A	?	X	?	A	X	X	A	?
Ethylene Dichloride	A	B	B	B	A	X	X	X	A	X	X	A	A
Ethylene Glycol	A	B	B	B	A	A	A	A	A	A	A	A	?
Ethylene Glycol MonethylEtherAcetate	A	A	?	?	?	A	?	B	A	X	B	X	A
Ethylene Glycol Monobutyl Ether	A	A	?	?	?	A	A	?	A	B	B	X	?
Ethylene Glycol Monomethyl Ether	B	A	?	?	?	?	?	?	A	X	B	X	?
Ethylene Oxide	X	B	A	X	A	X	A	A	A	X	X	X	?
Ethylene Oxide (12%) & Freon 12 (80%)	?	?	?	?	?	?	?	?	?	X	B	X	?
Ethylene Trichloride	X	A	?	?	?	X	X	?	A	X	X	A	A
Ethylhexyl Acetate	?	?	?	?	?	?	?	?	A	X	?	X	?
Ethylhexyl Alcohol (Ethylhexanol)	A	A	?	?	?	?	A	?	A	A	A	B	A
Ethylidene Chlorine	B	A	?	?	?	?	?	?	A	X	X	?	A
Ethylmorpholene StannousOctoate50/50	?	?	?	?	?	?	?	?	?	X	B	X	A
Fatty Acids	A	A	A	A	A	A	B	B	A	B	X	A	A
FC-43 Heptacosofluoratri-	?	?	?	?	?	?	?	?	?	A	A	A	A
Ferric Chloride	X	X	B	X	A	A	?	X	A	A	A	A	A
Ferric Chloride -1%	X	B	B	A	A	?	?	B	A	A	A	A	?
Ferric Chloride -1% Solution Boiling	X	X	?	?	?	?	?	?	A	B	?	A	?
Ferric Chloride -10% Solution	X	X	?	A	?	?	?	?	A	A	A	A	A
Ferric Chloride -5% Agitated/Aerated	X	X	?	?	?	?	?	?	A	B	?	?	A
Ferric Chloride -5% Solution Still	X	X	?	?	?	?	?	?	A	A	?	A	?
Ferric Hydroxide	?	A	B	?	?	?	?	?	A	A	B	A	A
Ferric Nitrate	X	B	B	X	A	A	A	?	A	A	A	A	A
Ferric Sulfate	X	A	A	X	A	A	?	?	A	A	A	A	A
Ferric Sulphate 1% to 5 %	X	A	?	?	A	?	A	A	A	B	A	?	A
Ferrous Chloride	X	X	B	X	A	A	A	X	A	A	A	A	?
Ferrous Sulfate (Copperas)	B	B	B	X	A	A	A	A	A	A	A	B	?
Ferrous Sulfate - 10% solution	X	B	?	A	A	?	A	A	A	A	A	A	?
Ferrous Sulfate (Saturated)	X	B	?	A	?	?	A	A	A	?	?	?	?
Fish Liver Oils	A	A	?	A	?	?	B	?	A	A	A	A	A
Fluoboric Acid	X	B	A	A	A	A	A	X	A	A	A	B	A
Fluoride (Dry)	X	X	?	?	?	?	?	?	?	B	?	?	?
Fluorinated Cyclic Ether	X	?	?	?	?	A	?	?	?	?	A	A	?
Fluorinated Cyclic Ethers	X	?	?	?	?	X	X	?	?	?	?	?	?
Fluorine (Anhydrous)	A	A	B	X	A	X	?	X	X	X	A	X	?
Fluorobenzene	X	?	?	A	?	X	?	?	A	X	X	A	?
Fluorocarbon Oil	X	A	A	?	?	X	X	?	A	B	A	B	A
Fluorochloroethylene	?	?	?	?	?	?	?	?	A	X	?	A	A
Fluorolube	X	A	A	?	?	X	X	?	?	A	A	B	A
Fluorosulfonic Acid	?	?	?	?	?	?	?	?	?	A	?	?	A
Fluorrine (Liquid)	B	B	?	?	A	X	X	X	A	X	X	B	A
Fluosillic Acid	X	B	B	A	A	A	A	B	A	A	A	B	A
Formaldehyde	A	A	B	X	B	A	A	B	A	X	B	X	X
Formaldehyde (Hot)	B	A	?	?	B	B	?	X	A	?	?	?	A

FLUIDS	METALS			RIGID PLASTICS			PLASTICS			ELASTOMERS			
	Aluminium	Stainless Steel	Hastelloy®	Acetal	Polyvinylidene Fluoride Kynar® or Solex® (PVDF)	Polypropylene	Santoprene®	Hytrel®	Polytetrafluoroethylene (PTFE) Teflon®	Nitrile Butadiene rubber (NBR)	Ethylene Propylene Diene Monomer Rubber (EPDM)	Fluorelastomer, Viton®	Perfluorelastomer (FKM)
Formaldehyde 100%	A	A	A	A	A	X	?	?	A	X	A	X	A
Formaldehyde 40%	B	A	B	A	A	A	?	B	A	B	A	A	A
Formamide	A	B	B	X	A	A	A	B	A	A	A	X	A
Formic Acid	A	A	A	A	A	A	?	B	A	X	A	X	A
Formic Acid (Dilute Cold)	A	A	A	B	A	B	A	B	A	X	A	X	A
Formic Acid (Dilute Hot)	B	A	?	X	A	B	?	X	A	X	A	X	A
Freon 11	X	A	A	X	A	A	X	A	A	B	X	B	A
Freon 12	B	B	A	B	A	A	X	A	A	A	B	B	A
Freon 13	X	A	A	A	A	?	X	?	A	A	A	A	?
Freon 13BI	X	A	?	?	?	?	X	?	A	A	A	A	?
Freon 14	X	A	?	?	?	?	X	?	A	A	A	A	?
Freon 21	X	A	?	A	A	?	X	?	A	X	X	X	?
Freon 218	X	?	?	A	?	?	X	?	A	A	A	A	?
Freon 22	X	A	A	A	A	B	X	?	A	X	A	X	A
Freon 31	X	A	?	A	?	?	X	?	A	X	A	X	A
Freon 32	X	A	?	A	?	?	X	?	A	A	A	X	A
Freon 112	X	A	?	A	?	?	X	?	A	B	X	A	A
Freon 113	X	A	A	A	B	X	X	A	A	A	X	B	A
Freon 114	X	A	?	A	?	?	X	A	A	A	A	A	A
Freon 114B2	X	A	?	?	?	?	X	?	A	B	X	B	A
Freon 115	X	A	?	A	A	?	X	?	A	A	A	A	A
Freon 142b	X	?	?	A	?	?	X	?	A	A	A	X	A
Freon 152a	X	?	?	A	?	?	X	?	A	A	A	X	?
Freon 502	X	A	?	A	?	?	X	?	A	B	A	B	?
Freon BF	X	A	?	?	?	?	X	?	A	B	X	A	A
Freon C316	X	?	?	A	?	?	X	?	A	A	A	A	A
Freon C318	X	A	?	A	?	?	X	?	A	A	A	B	A
Freon K-142B	X	A	?	?	?	?	X	?	A	A	A	X	A
Freon K-152A	X	A	?	?	?	?	X	?	A	A	A	X	A
Freon MF	X	A	?	?	?	?	X	?	A	B	X	B	A
Freon PCA	X	A	?	?	?	?	X	?	A	A	X	B	A
Freon TA	X	?	?	?	?	?	X	?	A	A	A	X	A
Freon TC	X	?	?	?	?	?	X	?	A	A	B	A	A
Freon TF	X	A	A	A	B	X	X	A	A	A	X	B	?
Freon TMC	X	?	?	?	?	?	X	?	A	B	B	A	?
Freon T-P35	X	?	?	?	?	?	X	?	A	A	A	A	A
Freon T-WD602	X	?	?	?	?	?	X	?	A	B	B	A	A
Fruit Juice	A	A	A	X	A	B	A	B	A	A	A	A	?
Fuel Oils	X	A	A	A	B	A	B	B	B	A	X	A	?
Fuel Oil (1, 2, 3, 5A, 5B, 6)	X	A	A	X	B	B	?	A	A	B	X	B	A
Fumaric Acid	?	?	A	X	?	?	A	?	A	X	?	A	A
Fuming Sulphuric Acid (20/25% Oleum)	?	?	?	?	?	?	?	?	A	X	X	A	A
Furan (Furfuran)	?	?	?	?	?	B	?	?	A	X	X	B	?
Furan Resin	A	A	B	X	X	X	X	?	A	X	X	X	?

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Furfural (Ant Oil)	A	B	B	A	B	X	B	B	A	X	X	X	?
Furfuraldehyde	A	A	?	B	B	X	?	?	A	X	A	X	?
Furfuryl Alcohol	A	A	?	?	X	A	B	B	A	X	B	X	?
Furyl Carbinol	?	?	?	?	?	?	?	?	?	X	B	?	?
Fusel Oil (Grain Oil)	?	?	?	?	?	?	B	?	A	A	A	A	?
Fyrquel 90,100,150, 220, 300, 500	?	?	?	?	?	?	?	B	A	X	B	X	?
Fyrquel A60	?	?	?	?	?	?	?	?	?	X	B	X	A
Gallic Acid	X	B	B	A	A	A	B	X	B	B	B	A	?
Gasoline (Aviation)	A	A	?	A	A	B	B	?	A	B	X	A	?
Gasoline (high-aromatic)	X	A	A	B	A	A	?	A	B	A	X	A	?
Gasoline (Meter)	A	A	?	A	A	B	B	A	A	A	X	A	?
Gasoline (Sour)	X	A	?	A	A	B	B	?	A	X	?	A	?
Gasoline, leaded, ref.	A	A	A	A	A	B	?	A	A	A	X	A	A
Gasoline, unleaded	A	A	A	A	A	X	?	?	A	A	X	A	A
Gelatin	A	A	A	B	A	A	A	B	A	A	A	A	?
Ginger Oil	?	X	?	A	A	?	?	?	A	A	A	A	?
Glacial Acetic Acid	?	?	?	?	?	B	X	B	?	B	B	X	?
Glauber's Salt	?	?	?	X	?	?	?	B	A	X	B	A	A
Glucose	A	A	A	A	A	A	A	B	A	A	A	A	A
Glue	B	A	A	A	?	A	?	A	A	A	B	B	?
Glue, P.V.A.	A	A	A	A	?	?	?	A	A	A	A	B	A
Glutamic Acid	X	A	?	?	?	?	?	?	?	?	?	?	?
Glycerin	A	A	A	A	A	A	?	A	A	A	A	A	?
Glycerine-Glycerol	A	A	A	A	A	A	X	A	A	A	A	A	?
Glycol	B	B	?	B	A	A	A	B	A	A	A	A	?
Glycolic Acid	?	A	A	A	B	A	?	?	A	A	A	A	?
Gold Monocyanide	?	A	?	A	A	?	?	?	X	A	?	A	?
Gold Plating: Acid 25 °C (75° F)	?	X	A	?	?	A	?	?	A	A	?	A	?
Gold Plating: Cyanide 65 °C (150 °F)	?	A	A	?	?	A	?	?	A	A	?	A	?
Gold Plating: Neutral 25 °C (75 °F)	?	X	A	?	?	A	?	?	A	A	?	A	?
Grape Juice	B	A	?	A	A	A	A	?	A	A	A	A	?
Grapefruit Oil	?	A	?	?	?	?	?	?	A	X	?	?	?
Grease	A	A	A	X	A	?	B	?	A	A	X	A	?
Grease (Ester Base)	A	A	A	?	A	?	B	?	A	?	?	A	?
Grease (Petroleum Base)	A	A	A	?	A	?	B	A	A	A	X	A	?
Grease (Silicone Base)	A	A	A	?	A	?	B	?	A	?	?	?	?
Green Sulfate Liquor	B	A	B	?	?	B	A	X	B	B	A	A	?
Halothane	?	?	?	?	?	?	?	?	?	X	X	A	A
Halowax Oil	X	?	?	?	?	?	X	?	A	X	X	A	?
Hannifin Lube A	?	?	?	?	?	?	?	?	?	A	X	A	?
Heavy Water	?	?	A	?	?	?	?	B	?	A	A	?	?
HEF-2 (High Energy Fuel)	?	?	?	?	?	?	?	?	?	B	X	A	?
Helium	A	A	?	A	?	A	?	?	?	A	A	A	?
Heptanal	A	A	?	?	?	A	?	?	A	A	?	X	A

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A: Excellent B: Good C: Moderate effect D: Not recommended X: Not recommended, material incompatible ?: Not enough information													
Heptane	A	A	A	A	A	X	B	?	A	A	X	A	?
Hexamine	A	A	?	?	?	?	?	?	?	?	?	?	?
Hexane	A	A	A	A	A	B	B	A	A	A	X	A	?
Hexanol, Tertiary	A	A	A	?	?	?	?	?	A	?	?	?	?
Hexyl Alcohol	A	A	A	A	A	A	?	?	A	A	X	X	?
Hexylene Glycol	A	A	A	?	?	?	?	?	A	A	B	A	?
High Visibility Lubricant, H2	?	?	?	?	?	?	?	?	?	A	A	A	?
High Visibility Lubricant, U4	?	?	?	?	?	?	?	?	?	A	A	A	?
Hilo MS #1	?	?	?	?	?	?	?	?	?	X	A	X	?
Honey	A	A	A	A	A	A	A	?	A	A	A	A	?
Houghto-Safe 1010 Phosphate Ester	?	?	?	?	?	?	?	B	?	X	A	A	?
Houghto-Safe 1055 Phosphate Ester	?	?	?	?	?	?	?	B	?	X	A	A	?
Houghto-Safe 1120 Phosphate Ester	?	?	?	?	?	?	?	B	?	X	A	A	?
Houghto-Safe 271 (Water+Glycol Base)	?	?	?	?	?	?	?	B	?	A	A	B	X
Houghto-Safe 5040 Water/Oil Emulsion	?	?	?	?	?	?	?	B	?	A	X	A	X
Houghto-Safe 620 Water/Glycol	?	?	?	?	?	?	?	B	?	A	A	B	A
Hydraulic Oil (Petro)	A	A	A	B	A	X	?	?	A	A	X	A	A
Hydraulic Oil (Synthetic)	A	A	A	A	A	X	X	?	A	X	A	A	?
Hydrazine (Diamine)	A	A	A	B	A	X	?	X	A	B	A	A	?
Hydrobromic Acid	X	X	X	X	A	X	A	?	A	X	A	A	?
Hydrobromic Acid 20%	X	X	A	X	A	A	?	?	?	X	A	A	?
Hydrobromic Acid 40%	X	X	?	X	A	A	?	?	A	X	A	A	?
Hydrocarbons (Saturated)	?	?	?	?	?	?	?	?	?	A	X	A	?
Hydrochloric Acid	X	X	A	X	A	B	?	X	A	X	X	A	?
Hydrochloric Acid 20%	X	X	A	X	A	B	?	B	A	?	A	A	A
Hydrochloric Acid 37%	X	X	B	X	A	X	?	X	A	B	X	A	A
Hydrochloric Acid, Dry Gas	X	X	A	?	A	B	?	?	A	?	?	?	?
Hydrochloric Acid 3 Molar	?	?	?	X	A	A	?	X	?	X	A	A	?
Hydrochloric Acid Concentrated	X	X	?	X	A	A	?	X	A	X	X	A	?
Hydrocyanic Acid	A	A	A	B	A	A	A	X	A	B	B	A	?
Hydrocyanic Acid (Gas 10%)	?	?	?	X	?	A	?	?	A	B	A	A	?
Hydrofluoric Acid 100%	X	B	B	X	A	X	?	X	A	X	X	B	?
Hydrofluoric Acid 20%	X	X	B	X	A	A	?	?	A	X	X	A	?
Hydrofluoric Acid 50%	X	X	B	X	A	A	?	X	A	X	X	B	?
Hydrofluoric Acid 65% or less Cold	X	X	D	X	A	A	B	X	A	X	A	A	?
Hydrofluoric Acid 65% or less Hot	X	X	?	X	A	?	X	?	?	X	B	A	?
Hydrofluoric Acid 65% or more Cold	X	X	D	X	A	X	?	X	A	X	B	B	?
Hydrofluoric Acid 65% or more Hot	X	X	?	X	A	?	X	?	?	X	X	X	?
Hydrofluoric Acid 75%	X	X	B	X	A	X	?	X	A	X	X	B	A
Hydrofluoric Acid Anhydrous	?	?	?	?	?	?	?	X	A	X	X	X	?
Hydrofluosilicic Acid	X	X	B	A	A	A	A	?	A	B	A	A	A
Hydrofluosilicic Acid 20%	X	B	B	B	A	A	?	?	A	A	A	A	?
Hydrogen	A	A	A	A	A	A	?	A	A	A	X	A	?
Hydrogen Chloride Gas	?	?	?	?	?	?	?	?	?	?	A	?	?

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Hydrogen Cyanide Gas	A	A	?	?	?	?	?	?	?	?	?	?	A
Hydrogen Fluoride	?	A	A	?	?	?	?	?	?	X	B	?	A
Hydrogen Gas	A	A	A	?	A	A	?	A	A	A	A	A	A
Hydrogen Gas (Hot)	X	A	?	?	?	?	?	?	A	A	A	A	A
Hydrogen Gasee (Cold)	A	A	?	?	?	?	?	?	A	A	A	A	A
Hydrogen Peroxide	A	A	A	X	A	B	B	?	A	X	X	A	?
Hydrogen Peroxide 10%	A	B	A	X	A	A	?	?	A	X	A	A	A
Hydrogen Peroxide 30%	A	B	A	X	A	B	?	?	A	X	B	A	A
Hydrogen Peroxide 50%	A	A	A	X	A	B	?	?	A	X	B	A	A
Hydrogen Peroxide 90%	A	A	A	?	B	B	?	X	A	X	X	A	A
Hydrogen Phosphide	?	?	?	?	?	?	?	?	A	X	?	?	A
Hydrogen Sulfide (aqua)	B	A	A	X	A	A	A	A	A	X	B	X	?
Hydrogen Sulfide Dry, Cold	B	A	A	A	A	A	?	A	A	X	B	X	?
Hydrogen Sulfide Dry, Hot	B	B	?	?	A	?	?	?	A	X	A	X	A
Hydrogen Sulfide Wet, Cold	B	A	A	X	A	A	A	A	A	X	A	X	A
Hydrogen Sulfide Wet, Hot	X	A	?	X	A	A	A	A	A	X	A	X	?
Hydrolube-Water/Ethylene Glycol	?	?	A	?	?	?	A	A	A	A	A	A	A
Hydroquinone	B	B	B	A	A	A	A	?	A	X	X	B	?
Hydroxyacetic Acid 10%	B	B	?	A	A	?	A	?	A	X	A	A	?
Hydroxyacetic Acid 70%	?	?	?	A	A	?	?	?	A	A	A	A	?
Hydyne	?	?	?	?	?	?	?	?	?	B	A	X	?
Hypochlorous Acid	X	X	A	X	A	A	A	?	A	X	B	A	A
Hypoid Grease (Parapoid 10-C)	?	?	?	?	?	?	?	?	?	A	X	?	A
Hypochlorities, Sodium	?	?	?	?	A	?	?	?	A	A	?	A	A
N-Hexaene-1	?	?	?	?	?	?	X	?	A	B	X	A	A
N-Hexaldehyde	A	A	?	A	?	?	X	?	A	X	A	X	A
illuminating Gas	A	A	?	?	?	?	?	?	?	B	?	?	A
Indium Sulfamate Plating R.T.	?	X	A	?	?	A	?	?	A	A	?	A	?
Ink	?	X	?	B	A	?	?	?	A	A	?	A	?
Ink (Printers)	B	A	A	A	?	?	?	?	A	A	A	A	?
Iodine	A	X	A	X	A	X	A	B	A	B	B	A	?
Iodine (in alcohol)	B	?	B	X	A	?	?	?	?	?	A	?	?
Iodine Pentafluoride	?	?	?	X	?	?	B	?	A	X	X	X	?
Iodoform	A	A	X	?	X	A	B	?	X	X	A	?	A
Iron Plating Ferrous Am Sulfate 65 °C (150 °F)	?	X	A	?	?	A	?	?	A	A	?	A	?
Iron Plating Ferrous Chloride 90 °C (190 °F)	?	X	X	?	?	X	?	?	A	B	?	A	?
Iron Plating Ferrous Sulfate 65 °C (150 °F)	?	X	A	?	?	A	?	?	A	A	?	A	?
Iron Plating Fluoborate Bath 63 °C (145 °F)	?	X	B	?	?	A	?	?	A	B	?	A	?
Iron Plating Sulfamate 60 °C (140 °F)	?	X	B	?	?	A	?	?	A	A	?	A	?
Iron Plating Sulfate-Chloride 70 °C (160 °F)	?	X	X	?	?	A	?	?	A	B	?	A	?
Iso Butanne	?	A	?	?	?	?	?	?	A	A	?	?	?
Iso Butyl Acetate	A	A	?	?	?	?	?	?	A	X	B	X	?
Iso Octane	A	A	A	?	?	A	X	A	A	A	X	A	?
Iso Pentane	?	?	?	?	?	?	?	?	A	A	X	A	?

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Isoamyl Acetate	A	A	A	?	?	?	?	?	A	X	B	X	?
Isoamyl Alcohol	?	?	?	?	?	?	?	?	A	A	A	A	?
Isoamyl Butyrate	A	A	A	?	?	?	?	?	A	X	?	X	A
Isoamyl Chloride	X	?	?	?	?	?	?	?	A	X	X	A	?
Isobutyl Alcohol	B	A	A	A	A	A	?	?	A	B	A	A	?
Isobutyl Amine	?	?	?	?	?	?	?	?	A	X	?	X	?
Isobutyl Chloride	B	B	A	?	?	?	?	?	A	X	?	B	?
Iso-Butyl N-Butyrate	?	?	?	?	?	?	?	?	A	X	A	A	?
Isobutyric Acid	A	?	?	?	?	?	?	?	A	X	A	?	?
Isododecane	B	B	B	?	?	?	?	?	?	A	X	A	?
Isooctane	A	A	?	?	A	A	?	A	A	A	X	A	?
Isophorone (Ketone)	A	B	A	A	?	?	B	?	A	X	A	X	A
Isopropanol	B	B	A	?	A	A	?	A	A	A	A	A	?
Isopropyl Acetate	X	A	B	X	X	B	?	X	A	X	B	X	?
Isopropyl Alcohol	B	B	A	A	A	A	B	?	A	B	A	A	?
Isopropyl Amine	?	A	?	?	?	?	B	?	A	X	?	X	A
Isopropyl Benzene (Cumene)	B	B	?	?	?	X	?	?	A	X	X	A	A
Isopropyl Chloride	A	A	A	A	?	X	X	?	A	X	X	A	A
Isopropyl Ether	A	A	A	X	X	B	X	?	A	B	X	X	A
Isotane	X	?	?	?	A	X	?	?	?	A	?	A	A
JP-1	A	A	A	A	A	X	B	A	A	A	X	A	?
JP-2	A	A	A	A	A	X	X	A	A	A	X	A	A
JP-3 (Mil-J-5624)	A	A	A	A	B	A	B	A	A	A	X	A	A
JP-4 (Mil-J-5624)	A	A	A	A	B	A	B	A	A	A	X	A	?
JP-5 (Mil-J-5624)	A	A	A	A	B	A	B	A	A	A	X	A	?
JP-6 (Mil-J-25656)	A	A	A	A	A	X	X	A	A	A	X	A	?
JP-X (Mil-F-25604)	A	A	A	A	?	?	X	?	A	A	X	X	?
Kel F liquids	?	?	?	?	?	?	?	?	?	A	A	B	?
Kerosene	A	A	B	A	A	B	B	X	A	A	X	A	A
Ketchup	X	A	?	A	?	A	?	?	A	A	A	A	A
Ketones	B	A	A	X	X	X	X	X	A	X	A	X	A
Keystone #87HX-Grease	A	A	?	A	?	?	?	?	A	A	X	A	?
Lacquer Solvents	A	A	?	A	X	B	X	B	A	X	X	X	?
Lacquer Thinners	A	A	A	X	?	X	?	X	A	X	X	X	?
Lacquers	A	A	A	X	X	X	X	X	A	X	X	X	?
Lactic Acid	B	B	B	B	B	B	?	X	A	A	A	A	?
Lactic Acid - 5% Solution	B	A	B	X	X	?	?	X	A	X	A	B	?
Lactic Acid - 10% Solution (Boiling)	X	A	?	X	X	?	?	X	A	X	A	X	?
Lactol	A	A	A	?	?	?	?	?	A	X	?	A	A
Lactum-Amino Acids	?	?	?	?	?	?	?	?	?	X	B	X	?
Lard	A	A	A	A	A	B	?	?	A	A	X	A	?
Lard Oil (Cold)	A	A	?	A	?	A	B	?	A	A	X	A	?
Lard Oil (Hot)	A	A	A	A	?	?	B	?	A	A	X	A	?
Latex	A	A	A	B	A	A	A	?	A	A	A	A	?

FLUIDS	METALS			RIGID PLASTICS			PLASTICS			ELASTOMERS			
	Aluminium	Stainless Steel	Hastelloy®	Acetal	Polyvinylidene Fluoride Kynar® or Solex® (PVDF)	Polypropylene	Santoprene®	Hytrel®	Polytetrafluoroethylene (PTFE) Teflon®	Nitrile Butadiene rubber (NBR)	Ethylene Propylene Diene Monomer Rubber (EPDM)	Fluorelastomer, Viton®	Perfluorelastomer (FFKM)
A: Excellent B: Good C: Moderate effect D: Not recommended X: Not recommended, material incompatible ?: Not enough information													
Lauryl Alcohol (N-Dodecanol)	A	A	A	?	?	?	?	?	A	A	?	B	?
Lavender Oil	?	?	?	A	?	?	B	?	A	B	B	A	?
Lead Acetate	X	B	B	B	A	A	A	?	A	B	A	X	?
Lead Chloride	X	B	B	?	A	A	?	?	A	A	A	A	?
Lead Nitrate	X	B	B	?	A	A	?	?	A	A	A	A	?
Lead Fluoborate Plating	?	X	A	?	?	A	?	?	A	B	?	A	?
Lead Sulfamate	X	X	?	A	A	A	A	?	B	B	A	A	A
Lead Sulphamate	?	?	?	A	?	A	A	?	A	B	A	A	?
Lehigh X1169	?	?	?	?	?	?	?	?	?	A	X	A	?
Lehigh X1170	?	?	?	?	?	?	?	?	?	A	X	A	?
Lemon Oil	A	A	?	X	A	?	?	?	A	A	X	A	?
LightGrease	A	A	?	A	?	?	?	?	A	A	X	A	?
Lignin Liquor	?	A	?	?	?	?	?	?	A	A	?	A	?
Ligroin (Petroleum Ether or Benzine)	X	A	?	B	A	A	B	?	A	A	X	A	A
Lime	A	A	?	B	A	?	A	B	A	A	X	A	A
Lime Bleach	X	A	?	?	?	B	A	?	A	A	A	A	?
Lime Slurries	A	A	?	A	?	?	?	X	A	A	A	A	?
Lime Sulfur	X	A	?	A	?	A	B	?	A	X	A	A	?
Lime Sulphur	X	A	?	A	?	A	B	?	A	X	A	A	?
Limonene	?	?	?	?	?	?	?	?	A	X	X	A	A
Lindol, Hydraulic Fluid	A	A	?	?	?	?	?	?	A	X	A	B	A
Linoleic Acid	A	A	A	B	A	B	B	?	A	B	X	B	A
Linseed Oil	B	A	B	A	A	A	B	B	A	A	X	A	?
Liquid Oxygen	?	?	?	?	?	?	?	?	A	X	X	X	?
Liquid Petroleum Gas (LPG)	?	?	A	?	?	X	B	B	A	A	X	A	?
Liquimoly	?	?	?	?	?	?	?	?	?	A	X	?	?
Lithium Bromide	?	?	?	?	?	?	?	?	A	A	A	A	?
Lithium Chloride	X	A	A	A	A	A	?	?	A	A	A	A	?
Lithium Hydroxide	X	B	B	X	?	A	?	?	A	X	A	B	?
Lubricants	A	A	A	A	A	A	?	A	A	A	X	A	?
Lubricating Oil Di-Ester	A	A	?	?	?	?	X	X	?	B	X	A	?
Lubricating Oil Petroleum Base	A	A	A	A	A	B	X	A	A	A	X	A	?
Lubricating Oil SAE 10,20,30,40,50	A	A	A	A	A	B	X	A	A	A	X	A	?
Lye Solutions	?	A	?	?	A	A	A	A	A	B	A	B	?
Lye: Ca(OH)2 Calcium Hydroxide	X	B	A	X	A	A	?	B	A	A	A	B	?
Lye: KOH Potassium Hydroxide	X	A	B	A	A	A	?	X	A	B	A	B	A
Lye: NaOH Sodium Hydroxide	X	B	X	X	X	A	?	X	A	A	B	B	A
Lysol	?	?	?	?	?	?	?	?	A	B	?	?	?
Magnesium Bisulfite	?	A	?	?	?	?	?	?	A	B	?	?	?
Magnesium Bisulfate	X	A	?	?	?	A	?	?	A	B	?	?	?
Magnesium Carbonate	A	B	B	A	A	A	A	A	A	A	A	A	A
Magnesium Chloride	X	X	A	B	A	A	A	X	A	A	A	A	?
Magnesium Hydroxide Milk of Magnesia	X	A	A	A	A	A	A	X	A	A	A	A	?
Magnesium Hydroxide (Hot)	X	A	?	B	?	?	A	X	A	B	A	A	A

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Magnesium Nitrate	B	B	A	A	A	A	A	?	A	A	A	A	A
Magnesium Oxide	B	A	A	A	?	?	A	?	A	A	?	X	A
Magnesium Salts	?	?	?	A	?	?	?	?	A	A	A	A	?
Magnesium Sulfate (Epsom Salts)	B	B	B	B	A	A	A	B	A	A	A	A	?
Magnesium Sulfite	?	?	?	?	?	?	?	?	A	A	A	A	?
Malathion	?	?	?	?	?	?	?	X	?	B	X	A	?
Maleic Acid	B	B	B	A	A	A	A	?	A	X	X	A	?
Maleic Anhydride	A	A	A	X	A	X	A	?	A	X	X	A	A
Malic Acid	B	A	B	A	A	A	A	?	A	A	X	A	?
Malt Beverages	A	A	?	A	?	?	?	?	A	A	A	A	?
Manganese Chloride	X	A	B	A	?	A	?	?	A	X	A	X	?
Manganese Sulfate	B	B	A	A	A	?	?	?	A	A	A	A	?
Maple Sugar Liquors (Sucrose)	A	A	?	?	?	?	?	?	A	A	A	A	?
Mash	A	A	?	A	?	?	?	?	A	A	A	A	A
Mayonnaise	A	A	A	A	A	A	A	?	A	X	X	A	A
MCS 312	?	?	?	?	?	?	?	?	?	X	X	A	A
MCS 352	?	?	?	?	?	?	?	?	?	X	A	X	?
MCS 463	?	?	?	?	?	?	?	?	A	X	A	X	A
Melamine	?	X	?	A	?	A	?	?	A	X	A	A	?
Melamine Resins	?	X	A	A	?	?	B	?	A	X	?	A	?
Mercaptan	A	A	?	?	?	?	?	?	A	X	A	B	?
Mercuric Chloride	X	X	B	A	A	A	A	B	A	A	A	A	?
Mercuric Chloride (dilute)	X	X	X	B	A	B	?	B	A	A	A	A	?
Mercuric Cyanide	X	X	A	A	A	B	A	?	B	A	A	A	A
Mercurous Nitrate	X	A	A	?	A	A	?	?	A	B	A	A	?
Mercury	X	A	A	A	A	B	A	B	A	A	A	A	A
Mercury Salts	?	?	?	?	?	?	?	?	A	A	B	A	A
Mercury Vapours	?	?	?	?	?	?	?	?	A	A	A	A	A
Mesityl Oxide	A	A	A	A	?	?	X	?	A	X	B	X	?
Methane	A	A	A	A	A	A	X	B	A	A	X	A	A
Methanol (Methyl Alcohol)	A	A	A	A	A	A	A	B	A	A	A	X	?
Methyl Acetate	A	B	A	B	B	X	B	X	A	X	B	X	?
Methyl Acetoacetate	?	A	A	?	?	?	?	?	A	X	B	X	X
Methyl Acetone	A	A	A	X	X	X	B	?	A	X	A	X	?
Methyl Acrylate	?	A	?	B	B	X	B	?	A	X	B	X	A
Methyl Alcohol	A	A	A	A	A	A	A	B	A	A	A	X	A
Methyl Alcohol 10%	A	A	A	A	A	A	?	B	A	A	A	X	?
Methyl Amyl Acetate	A	A	?	?	?	?	?	?	A	X	X	X	A
Methyl Amyl Alcohol	A	A	A	?	?	?	?	?	A	A	?	X	A
Methyl Aniline	?	?	?	?	?	B	?	?	A	A	A	B	A
Methyl Benzoate	A	A	?	A	?	?	?	?	?	X	X	A	A
Methyl Bromide	X	A	B	X	A	X	X	X	A	B	X	A	?
Methyl Butyl Ketone	?	A	?	X	X	X	X	?	A	X	A	X	?
Methyl Butyrate	A	A	A	?	?	?	?	?	A	X	X	?	?

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Methyl Carbonate	?	?	?	?	?	?	?	?	?	X	X	A	?
Methyl Cellosolve	B	B	?	X	A	B	B	?	A	A	B	X	?
Methyl Cellulose	?	?	?	?	?	?	?	?	?	B	B	X	?
Methyl Chloride	X	A	B	B	A	X	X	X	A	X	X	A	A
Methyl Chloroformate	X	?	?	?	?	?	?	?	?	X	X	A	?
Methyl Cyanide	A	A	?	B	?	?	A	X	A	B	A	A	?
Methyl D-Bromide	X	?	?	?	?	?	?	?	?	X	X	?	?
Methyl Dichloride	X	?	?	X	X	X	B	B	A	X	X	A	A
Methyl Ether	B	B	?	A	?	?	?	?	A	A	A	A	A
Methyl Ethyl Ketone	B	A	A	X	X	B	B	B	A	X	A	X	?
Methyl Ethyl Ketone Peroxide	?	?	?	?	?	?	?	?	?	X	X	X	?
Methyl Formate	A	A	?	A	?	?	B	A	A	X	B	X	A
Methyl Hexane	?	?	?	?	?	?	?	?	A	A	X	A	?
Methyl Iodide	A	A	A	?	?	?	A	?	A	X	A	?	?
Methyl Isobutyl Ketone	B	B	A	A	X	A	X	B	A	X	B	X	?
Methyl Isopropyl Ketone	A	A	?	A	X	?	X	X	A	X	X	X	?
Methyl Methacrylate	B	B	?	X	B	X	B	?	A	X	X	X	?
Methyl Oleate	?	?	?	A	?	?	B	?	A	X	B	A	A
Methyl Salicylate	A	?	?	A	B	B	B	?	A	X	B	B	?
Methylacrylic Acid	?	?	?	?	?	?	?	?	A	X	B	X	?
Methylamine	A	A	B	X	X	A	A	?	A	B	A	X	?
Methylamine	B	A	B	A	X	A	A	?	A	X	A	X	A
Methylcyclopentane	?	A	?	A	?	?	X	?	A	X	X	A	A
Methylene Bromide	X	A	A	?	?	?	?	?	A	X	X	B	?
Methylene Chloride	X	B	B	B	B	B	X	X	A	X	X	B	?
Methylene Dichloride	X	?	?	?	?	?	?	?	A	X	X	A	?
Milk	A	A	A	A	A	B	A	B	A	A	A	A	?
Mine Water	B	A	A	B	?	?	?	?	A	X	B	B	?
Mineral Oil	A	A	A	A	A	A	X	A	A	A	X	A	A
Mineral Spirits	A	A	B	A	?	B	?	?	A	A	X	A	?
Mixed Acids Sulfuric/nitric	X	B	?	?	B	X	?	?	A	X	X	A	A
MLO-7277 Hydr.	A	A	?	?	?	?	?	?	?	X	X	A	?
MLO-7557	A	A	?	?	?	?	?	?	?	X	X	A	A
MLO-8200 Hydr.	A	A	?	?	?	?	?	?	?	B	X	A	?
MLO-8515	A	A	?	?	?	?	?	?	?	B	X	A	X
Molasses	A	A	A	A	B	B	A	B	A	A	A	A	?
Molybdic Acid	?	A	?	A	?	?	?	?	A	A	A	A	?
Monobromobenzene	?	A	?	?	?	?	X	?	A	X	X	A	?
Monochloroacetic acid	X	A	A	X	B	A	X	X	A	X	X	X	?
Monochlorobenzene	X	A	?	A	A	X	X	X	A	X	X	A	?
Monochlorodifluoro Methane	X	A	?	?	?	A	?	B	A	X	X	A	?
Monoethanolamine	B	A	?	X	X	B	A	?	A	B	B	X	A
Mononitrotoluene&Dinitrotoluene 40/60	?	?	?	?	?	?	?	?	?	X	X	X	?
Monomethyl Hydrazine	?	?	?	?	?	?	?	?	A	B	A	?	A

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A: Excellent B: Good C: Moderate effect D: Not recommended X: Not recommended, material incompatible ?: Not enough information													
Monomethylaniline	B	B	?	A	?	B	B	?	A	X	B	B	?
Monomethylether	B	B	?	?	?	?	X	?	A	A	A	A	?
Monosodium Postassium	?	?	?	?	?	?	?	?	?	?	?	?	?
Monovinyl Acetylene	?	?	?	?	?	?	?	?	A	A	A	A	?
Morpholine	A	A	A	?	B	B	?	?	A	X	X	?	?
Motor oil	A	A	?	B	B	A	?	B	A	A	X	?	?
Muriatic Acid	X	X	A	X	A	A	A	X	A	X	B	A	?
Mustard	B	A	A	X	A	A	?	B	A	B	A	X	A
Napalm	?	?	?	?	?	?	?	?	?	B	X	A	?
Naphtha	A	A	B	A	A	B	B	B	B	A	X	A	A
Napthalene (Tar Camphor)	B	A	A	A	A	B	B	B	A	X	X	A	?
Naptha-Coal Tar (Benzol)	A	A	A	A	A	X	B	B	A	X	X	A	?
Napthenic Acid	A	A	B	?	?	?	X	?	A	B	X	A	?
Natural Gas	A	A	?	B	?	A	X	B	A	A	X	A	?
Neatsfoot Oil	A	A	?	A	?	?	?	?	A	A	B	A	A
Neohexane	?	?	?	?	?	?	?	?	A	A	?	A	?
Neon	A	A	?	A	?	?	?	?	A	A	A	A	A
Neosol	B	A	A	?	?	?	?	?	A	A	B	X	A
Neville Acid	?	?	?	?	?	?	A	?	A	X	B	B	?
Nickel acetate	B	B	?	?	A	A	A	?	A	B	A	X	?
Nickel Ammonium Sulfate	B	A	?	?	?	?	?	?	A	?	?	A	?
Nickel Chloride	X	X	B	A	A	A	A	B	A	A	A	A	?
Nickel Nitrate	X	B	B	A	A	A	?	?	A	A	A	A	?
Nickel Plating Electroless 93 °C (200 °F)	?	?	?	?	?	X	?	?	A	X	?	A	?
Nickel Plating Fluoborate 37-77 °C (100-170 °F)	?	X	A	?	?	A	?	?	A	B	?	A	A
Nickel Plate High-Chloride 54-71 °C (130-160 °F)	?	X	A	?	?	A	?	?	A	A	?	A	?
Nickel Plating Sulfamate 37-60 °C (100-140 °F)	?	X	A	?	?	A	?	?	A	A	?	A	?
Nickel Plating Watts Type 46-71 °C (115-160 °F)	?	X	A	?	?	A	?	?	A	A	?	A	?
Nickel Salts	?	?	?	?	A	A	?	?	A	A	A	A	?
Nickel Sulfate	X	B	B	A	A	A	A	B	A	A	A	A	A
Nicotine	B	A	?	?	B	?	?	B	A	?	?	?	A
Nicotinic Acid	B	?	?	?	A	?	?	?	A	A	A	?	A
Niter Cake	B	A	?	X	A	A	A	?	A	X	X	X	A
Nitrana (Ammonia Fertilizer)	?	A	?	?	?	?	?	?	A	B	?	X	?
Nitric Acid (Concentrated)	X	A	B	X	A	X	?	X	A	X	X	A	A
Nitrating Acid (1% Acid)	X	A	A	?	?	X	?	?	A	?	?	?	A
Nitric Acid (5-10%)	A	A	A	X	A	A	A	X	A	X	A	A	A
Nitrating Acid (<15% HNO3)	X	X	A	?	?	X	?	?	A	?	?	?	A
Nitrating Acid (15% H2SO4)	X	X	A	?	?	X	?	?	A	?	?	?	A
Nitrating Acid (>15% H2SO4)	X	X	A	X	?	X	?	?	A	X	A	?	A
Nitric Acid & Hydrochloric Acid	X	X	?	X	?	?	?	?	A	X	B	A	A
Nitric Acid (20%)	X	A	A	X	A	A	B	X	A	X	A	A	A
Nitric Acid (50%)	X	A	A	X	A	B	?	X	A	X	X	A	A
Nitric Acid 3 Molar	?	A	?	X	?	?	?	?	A	X	X	A	A

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Nitric Acid 50% Solution (Boiling)	X	B	A	X	?	B	?	?	A	X	X	X	A
Nitric Acid 65% Solution (Boiling)	X	B	D	X	X	X	X	?	?	X	X	X	?
Nitric Acid Concentrated	A	A	B	X	A	X	?	B	A	X	X	A	?
Nitric Acid Concentrated Boiling	X	X	?	X	?	?	X	?	A	X	X	X	?
Nitric Acid Inhibited Red Fumming	A	A	?	X	X	?	X	?	A	X	X	B	?
Nitric Acid Red Fumming (RFNA)	A	A	B	X	B	X	X	B	A	X	X	B	?
Nitriding Gases	A	A	?	?	?	?	?	?	?	?	?	?	A
Nitrobenzene	B	B	X	X	A	B	B	X	A	X	B	B	?
Nitroethane	A	A	A	A	A	B	A	?	A	X	B	X	?
Nitrogen	?	?	A	A	?	?	?	?	?	A	A	A	?
Nitrogen Fertilizer	?	?	?	?	?	?	?	?	A	?	?	?	?
Nitrogen Tetroxide (N2 O4)	B	A	A	X	B	X	?	B	A	X	X	X	?
Nitroglycerine	A	A	?	?	?	?	?	?	?	?	?	?	?
Nitromethane	A	A	A	A	A	B	A	X	A	X	B	X	?
Nitropropane	A	A	A	A	?	?	X	?	A	X	B	X	?
Nitrosyl Chloride	X	X	?	?	?	?	?	?	A	?	?	?	?
Nitrous Acid	X	B	X	?	B	A	?	?	A	X	A	B	?
Nitrous Gases	B	A	?	?	?	?	?	?	A	?	?	?	?
Nitrous Oxide	B	B	B	?	X	X	?	?	A	?	A	B	?
N-Octane	?	?	?	?	A	X	B	?	A	B	X	A	?
Octachloro Toluene	X	?	?	?	?	X	X	?	A	X	X	A	?
Octadecane	?	?	?	?	?	?	B	?	A	A	X	A	?
Octyl Acetate	A	A	?	?	?	?	?	?	A	X	?	X	A
Octyl Alcohol	A	A	X	A	?	?	?	?	A	B	A	B	?
Oils (Animal)	A	A	?	A	?	?	?	?	A	?	?	?	?
Oils Crude	?	A	A	A	A	X	B	?	A	B	B	B	A
Oleic Acid (Red Oil)	A	A	A	A	A	B	B	A	A	B	B	B	?
Olein (Triolein)	?	?	?	?	X	?	?	?	A	X	X	?	?
Oleum 25%	B	B	A	X	X	X	?	X	A	X	X	A	?
Oleum 100% (Fuming Sulfuric Acid)	B	A	X	X	X	X	X	B	A	X	X	A	?
Oleum Spirits	X	A	?	A	X	X	X	B	A	X	X	A	A
Olive Oil	A	A	A	A	A	A	?	?	A	X	X	A	?
Orange Oil	A	A	A	X	A	A	?	?	?	A	?	A	?
Oronite 8200	?	?	?	?	?	?	?	?	?	B	X	A	?
Oronitr 8515	?	?	?	?	?	?	?	?	?	B	X	A	?
Orthochloro Ethyl Benzene	?	?	?	?	?	?	?	?	?	X	X	A	A
Ortho-Dichlorobenzene	?	?	?	?	?	?	X	X	A	X	X	A	?
OS 45 Type 111 (OS45)	?	?	?	?	?	?	?	?	?	B	X	A	?
OS 45 Type 1V (OS45-1)	?	?	?	?	?	?	?	?	?	B	X	A	?
OS 70	?	?	?	?	?	?	?	?	?	B	X	A	A
Oxalic Acid (cold)	A	A	B	B	B	A	?	X	A	X	A	A	A
Oxalic Acid - 5% (Hot and Cold)	A	A	B	B	B	A	?	?	A	B	A	A	A
Oxalic Acid - 10% Solution	A	A	?	B	A	A	?	?	A	B	A	A	A
Oxalic Acid - 10% Solution (Boiling)	X	X	?	?	X	X	?	?	A	X	B	A	?

FLUIDS	METALS			RIGID PLASTICS			PLASTICS			ELASTOMERS			
	Aluminium	Stainless Steel	Hastelloy®	Acetal	Polyvinylidene Fluoride Kynar® or Solex® (PVDF)	Polypropylene	Santoprene®	Hytrel®	Polytetrafluoroethylene (PTFE) Teflon®	Nitrile Butadiene rubber (NBR)	Ethylene Propylene Diene Monomer Rubber (EPDM)	Fluorelastomer, Viton®	Perfluorelastomer (FFKM)
Oxygen 200-400 oF	?	?	?	A	?	?	?	?	A	X	X	B	?
Oxygen, Cold	A	A	?	A	?	?	?	?	A	B	A	A	?
Oxygen, Gaseous	?	?	?	?	A	?	?	?	?	?	?	?	A
Ozone (Dry)	B	A	?	X	A	B	X	X	A	X	A	A	A
Ozone (Wet)	B	A	?	X	A	B	X	X	A	X	A	A	?
N-Pentane	B	B	?	A	?	?	?	?	A	A	X	A	?
N-Propyl Acetone	?	A	?	?	A	X	?	?	?	X	A	X	A
Paint Thinner, Duco	B	A	?	A	A	X	?	?	A	A	B	A	?
Paints & Solvents	A	A	?	?	?	?	B	?	A	X	?	?	A
Palm Oil	?	A	?	A	A	A	?	?	A	A	A	A	?
Palmitic Acid	B	A	B	A	A	B	B	A	A	A	B	A	?
Paraffin	A	A	B	A	A	A	?	?	A	B	X	B	?
Paraformaldehyde	B	A	A	?	?	?	?	?	A	X	?	B	?
Paraldehyde	A	A	A	?	?	?	?	?	A	B	A	X	?
Paraketone	?	?	?	?	?	?	?	?	?	X	X	X	?
Parp-Dichlorobenzene	A	A	?	?	?	?	?	?	A	X	X	A	?
Peanut Oil	A	A	?	A	A	X	?	?	A	A	X	A	?
Pentacetate	?	?	?	?	?	?	?	?	A	?	?	?	?
Pentachloroethane (Pentalin)	A	A	A	?	?	?	X	?	A	X	X	A	?
Pentachlorophenol (PCP)	A	A	A	?	?	?	?	?	A	X	X	A	A
Pentane	B	X	A	B	A	X	?	?	A	A	X	A	?
Pentane, 2 Methyl	?	?	B	A	?	?	?	?	A	A	X	A	?
Pentane, 3 Methyl	?	?	?	A	?	?	?	?	A	A	X	A	?
Pentane, 2-4 Dimethyl	?	?	?	A	?	?	?	?	A	A	X	A	?
Pentanedione-2,4	?	?	?	?	?	?	?	?	?	X	A	X	?
Peppermint Oil	X	A	?	X	A	?	?	?	A	X	?	A	?
Perchloric Acid	X	X	B	X	A	X	X	X	A	X	B	A	A
Perchloroethylene/Tetrachloroethene	X	A	B	B	A	X	X	X	A	X	X	A	?
Permachlor (Degreasing Fluid)	A	A	?	?	?	?	?	?	A	X	X	A	?
Petrolatum	B	A	A	B	A	X	?	?	X	A	A	A	A
Petroleum	X	A	?	B	A	B	?	B	A	A	X	A	A
Petroleum Ether	?	A	D	A	A	A	B	?	A	A	A	A	?
Petroleum Oil, Crude	B	A	?	A	B	B	X	A	A	A	X	A	?
Petroleum Oil, Crude Above 120 °C (250 °F)	A	A	?	?	A	?	X	?	A	X	X	B	?
Petroleum Oil, Crude Below 120 °C (250 °F)	A	A	?	?	A	?	X	?	A	A	X	A	?
Petroleum Oils (Refined)	A	A	?	?	A	A	X	?	A	A	X	A	?
Petroleum Oils (Sour)	A	A	A	?	B	B	X	?	A	X	X	A	?
Phenethyl Alcohol (Benzyl Carbinol)	A	A	?	?	?	?	?	?	A	X	B	X	A
Phenol (Carbolic Acid)	A	B	A	X	A	B	B	X	A	X	B	A	?
Phenol (10%)	A	B	B	B	A	B	?	?	A	X	B	A	A
Phenol 70% / 30% H2O	A	A	?	X	?	?	?	?	A	X	?	A	A
Phenol 85% / 15% H2O	A	A	?	X	?	?	?	?	A	X	?	A	?
Phenol Sulfonic Acid	B	B	A	?	?	?	?	?	A	X	?	X	?
Phenolic Sulphonate	?	?	?	?	?	?	?	?	A	?	?	?	?

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Phenyl Acetate	?	?	?	?	?	?	?	?	A	X	B	X	A
Phenyl Hydrazine	A	?	?	?	A	X	B	?	A	X	B	A	?
Phenylbenzene	A	B	?	?	A	?	X	?	A	X	X	A	?
Phorone Dilsopropylidene Acetone	?	?	?	A	?	?	?	?	A	X	B	X	?
Phosphate Esters	B	A	?	?	?	?	A	B	A	X	A	A	A
Phosphoric Acid	X	B	?	X	A	A	?	?	A	B	B	A	A
Phosphoric Acid Concentrated	X	A	?	X	?	A	?	?	A	X	B	A	A
Phosphoric Acid 1% Solution	?	A	A	X	A	B	A	?	A	B	A	A	A
Phosphoric Acid 5% Solution	?	A	A	X	A	B	A	?	A	X	A	A	A
Phosphoric Acid 10% Solution	X	A	A	X	A	B	A	?	A	X	A	A	A
Phosphoric Acid 10% Solution (Hot)	X	A	?	X	?	A	?	?	A	X	A	A	A
Phosphoric Acid (40%)	X	X	A	X	B	A	A	?	A	X	B	A	A
Phosphoric Acid (>40%)	X	X	A	X	B	A	A	?	A	X	B	A	A
Phosphoric Acid 50% Solution	X	B	A	X	B	B	A	?	A	X	B	A	A
Phosphoric Acid 50% Solution (Hot)	X	B	?	X	B	A	?	?	A	X	B	A	A
Phosphoric Acid 85% Solution	X	B	A	X	B	B	A	?	A	X	B	A	A
Phosphoric Acid 85% Solution (Hot)	X	X	?	X	B	X	?	?	A	X	B	A	A
Phosphoric Acid (Aerated)	X	B	?	X	A	A	?	?	A	X	?	A	A
Phosphoric Acid Anhydride	X	?	?	X	X	A	?	?	?	X	?	?	A
Phosphoric Acid (crude)	X	B	A	X	A	B	?	?	A	X	B	A	A
Phosphoric Acid (molten)	X	X	X	X	X	X	?	?	?	?	?	?	A
Phosphoric Acid 3 Molar	?	?	?	X	?	?	?	?	A	X	A	A	A
Phosphoric Acid Air Free	X	B	?	X	A	A	?	?	A	X	?	A	?
Phosphorus	B	A	A	B	A	A	?	?	A	X	?	?	A
Phosphorus Trichloride	X	A	A	X	A	?	?	?	A	X	A	A	?
Phosphorous Oxychloride	B	X	B	X	A	A	?	?	A	X	A	A	?
Phosphorous Trichloride	X	A	?	X	B	A	?	?	A	X	A	A	A
Photographic Developer	B	A	B	X	?	A	A	?	A	A	B	A	?
Photographic Solutions	?	?	B	X	B	A	?	B	A	B	A	B	A
Phthalic Acid	B	A	B	X	A	A	?	?	A	X	A	A	?
Phthalic Anhydride	A	A	A	X	A	X	?	?	A	X	A	A	A
Phthalic Anhydride (Pure)	?	A	?	?	?	?	?	?	?	?	?	?	?
Phthalic Anhydride+Maleic Anhydride	?	A	?	?	?	?	?	?	?	?	?	?	?
Pickling Solution	?	?	A	X	?	?	A	X	A	X	X	B	A
Picric Acid	X	B	B	A	A	B	?	?	A	X	B	A	?
Picric Acid Molten	?	?	?	X	?	?	X	X	?	B	B	A	A
Picric Acid, H2O Solution	X	A	?	X	B	B	X	X	A	B	B	A	?
Pine Oil	A	A	?	A	A	B	?	?	A	X	X	A	A
Pinene	?	?	?	A	?	?	X	?	A	B	X	A	A
Piperdine	?	?	?	?	?	?	A	?	A	X	X	X	?
Pitch	?	?	?	?	?	?	?	?	A	A	A	A	?
Plating Solutions, Chrome	B	A	B	A	?	A	?	?	A	X	A	A	?
Plating Solutions, Others	?	?	?	?	?	?	?	?	?	A	A	A	?
Pneumatic Service	A	A	?	A	?	?	?	?	A	A	A	A	A

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Polyvinyl Acetate Emulsion	?	?	?	?	A	?	A	?	A	?	A	?	?
Potash (Potassium Carbonate)	X	B	B	B	A	A	A	X	A	A	A	A	A
Potassium Acetate	X	B	B	A	A	A	A	?	A	B	A	X	A
Potassium Alum	B	A	?	A	A	A	A	?	A	A	A	A	?
Potassium Bicarbonate	X	B	B	X	B	A	A	?	A	A	A	A	?
Potassium Bisulfite	B	B	?	A	?	?	?	?	A	A	A	A	?
Potassium Bromide	X	B	B	A	A	A	X	?	A	A	A	A	?
Potassium Chlorate	B	B	B	B	A	A	A	?	A	A	A	A	?
Potassium Chloride	X	A	A	A	A	A	?	B	A	A	A	A	?
Potassium Chloride 1% to 5%	X	B	B	A	A	A	A	B	A	A	A	A	?
Potassium Chloride Boiling	?	B	?	?	A	A	A	?	A	?	?	A	A
Potassium Chromate	B	B	A	X	B	A	?	?	A	A	A	A	?
Potassium Copper Cyanide	?	?	?	?	?	?	?	?	A	A	A	A	?
Potassium Cupro Cyanide	?	?	?	X	?	?	?	?	?	A	A	A	A
Potassium Cyanide Solutions	X	B	B	X	A	A	A	B	A	A	A	A	A
Potassium Dichromate	B	B	B	A	A	A	A	X	A	A	A	A	?
Potassium Diphosphate	X	B	?	A	?	?	?	?	A	A	?	?	?
Potassium Ferricyanide	B	B	B	B	A	A	?	?	A	X	A	A	?
Potassium Ferrocyanide	B	B	B	B	A	A	?	?	A	X	A	A	A
Potassium Hydroxide (Caustic Potash)	X	A	B	A	A	A	A	X	A	B	A	B	A
Potassium Hydroxide 5% Solution	X	B	B	A	A	A	A	A	A	A	A	A	A
Potassium Hydroxide 27% Solution (Boil)	X	A	?	X	?	?	?	X	A	X	?	?	A
Potassium Hydroxide 50% Solution (Boil)	X	B	?	X	B	?	?	X	A	X	?	?	A
Potassium Hydroxide 70% Solution (Hot)	X	X	?	X	?	A	A	X	A	X	?	A	A
Potassium Hydroxide 70% Solution	X	X	?	A	?	A	A	X	A	A	A	A	A
Potassium Hypochlorite	X	B	B	?	A	B	?	?	A	A	A	?	?
Potassium Iodide	B	A	A	A	A	A	?	?	A	A	A	A	?
Potassium Monophosphates	X	B	?	A	?	?	?	?	A	A	?	?	A
Potassium Nitrate	B	B	B	A	A	A	A	B	A	A	A	A	A
Potassium Nitrate 1% to 5%	A	A	?	A	A	A	A	B	A	A	A	A	?
Potassium Oxalate	B	B	A	?	?	?	?	?	A	?	?	?	A
Potassium Permanganate	B	B	A	A	A	A	A	X	A	X	A	A	A
Potassium Permanganate - 5%	A	A	?	A	A	B	A	X	A	A	A	A	?
Potassium Peroxide	B	?	?	?	?	?	?	?	?	?	?	?	A
Potassium Phosphate	X	B	B	?	A	A	?	?	A	A	A	A	?
Potassium Salts	?	?	?	?	?	?	?	?	A	A	A	A	A
Potassium Sulfate	X	A	B	B	A	A	A	B	A	A	A	A	A
Potassium Sulfate - 1% and 5%	A	A	A	A	A	A	A	B	A	A	A	A	?
Potassium Sulfide	X	B	?	?	A	A	?	?	A	A	A	A	A
Potassium Sulfite	A	A	?	?	A	A	?	?	A	A	A	A	A
Potassium Sulphate	A	B	?	A	A	A	A	?	A	A	A	A	A
Potassium Sulphite or Nitrate	B	B	?	A	?	?	?	?	A	A	A	A	?
Potassium Triphosphate	X	B	?	?	?	X	?	?	A	A	A	A	?
Prestone	A	A	?	A	?	?	A	?	A	A	A	A	?

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PRL - High Temp. Hydr. Oi	A	A	?	A	?	?	?	?	A	A	X	A	?
Producer Gas	A	A	?	A	?	?	?	?	A	A	X	A	A
Propane	A	A	A	A	A	X	?	B	A	A	X	A	?
Propane (liquefied)	A	A	A	A	A	A	X	A	A	A	X	A	?
Propane Propionitrile	?	?	?	A	?	?	?	?	A	A	X	A	A
Propionaldehyde (Propanal)	A	A	A	A	?	?	?	?	A	X	?	X	A
Propionic Acid	B	B	A	?	?	?	?	?	A	X	A	A	?
Propyl Acetate	A	A	A	A	A	B	?	?	A	X	B	X	?
Propyl Alcohol	A	A	A	A	A	A	?	?	A	A	A	A	X
Propyl Nitrate	A	A	?	A	?	?	?	?	A	X	B	X	A
Propylene	A	A	A	A	?	?	?	?	A	X	X	A	A
Propylene Dichloride	X	A	B	?	A	?	B	?	A	X	X	A	A
Propylene Glycol	B	B	B	B	A	A	A	?	A	A	A	A	A
Propylene Oxide	B	A	?	A	X	A	A	?	A	X	B	X	?
Pydraul	A	A	A	?	?	?	X	?	A	X	A	A	?
Pydraul 10E, 29 ELT	?	?	?	?	?	?	?	?	?	X	A	A	?
Pydraul 115E	?	?	?	?	?	?	?	B	?	X	A	A	?
Pydraul 230E, 312C, 540C	?	?	?	?	?	?	A	A	?	X	X	A	?
Pydraul 30E, 50E, 65E, 90E	?	?	?	?	?	?	?	A	?	X	A	A	?
Pyranol, Transformer Oil	A	A	?	A	?	?	X	?	A	A	X	A	?
Pyridine	B	A	B	B	X	A	X	X	A	X	B	X	X
Pyridine Oil	?	?	?	?	?	?	X	?	?	X	B	X	?
Pyrogallic Acid	B	B	B	X	A	A	A	?	A	X	B	A	?
Pyroligneous	?	?	?	?	?	?	?	?	A	?	?	?	?
Pyroligneous Acid	A	B	?	X	A	A	B	?	A	X	B	X	?
Pyrolube	?	?	?	?	?	?	?	?	?	X	B	A	?
Pyrrole	?	?	?	?	?	?	X	?	A	X	X	X	A
Quaternary Ammonium Salts	?	A	?	?	?	?	?	?	A	A	?	A	?
Quench Oil	A	A	A	?	?	?	?	?	A	B	X	A	?
Quinine Bisulphate (Dry)	?	A	A	A	?	?	?	?	A	A	A	A	?
Quinine Sulphate (Dry)	?	A	A	A	?	?	?	?	A	A	A	A	?
Radiation	?	?	?	X	?	?	A	?	A	X	X	X	?
Rapeseed Oil	?	A	A	A	A	X	?	?	A	X	A	A	A
Rayon Spin Bath	?	X	?	A	?	?	?	?	A	?	?	?	?
Red Line 100 Oil	?	?	?	?	?	?	?	?	?	A	X	A	?
Red Oil (Mil-H-5606)	?	?	?	?	?	?	?	?	A	A	X	A	?
Resins and Rosins	A	A	?	A	?	?	?	?	A	B	X	A	?
Resorcinal	?	?	?	?	?	A	X	X	A	?	B	A	?
Rhodium Plating 50 °C (120 °F)	?	X	X	?	?	A	?	?	A	A	A	A	?
RJ-1 (Mil-F-25558)	?	?	?	A	?	?	?	?	A	A	X	A	?
Rose Oil	?	A	?	?	?	?	?	?	A	?	?	A	?
Rosins	B	A	A	B	?	A	B	?	A	A	X	A	?
Rosin Emulsion	?	A	?	A	?	?	?	?	A	?	?	?	?
Rosin Oil	B	A	A	?	A	A	?	?	A	A	?	A	?

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A: Excellent B: Good C: Moderate effect D: Not recommended X: Not recommended, material incompatible ?: Not enough information													
Rotenone	?	?	?	?	?	?	?	?	A	A	A	A	?
RP-1 (Mil-R-25576)	?	?	?	A	?	?	?	?	A	A	X	A	?
Rubber Latex Emulsions	A	A	?	?	?	A	?	?	A	?	?	A	?
Rubber Solvents	A	A	?	?	?	A	?	?	A	X	?	X	?
Rum	?	A	A	A	?	A	A	?	A	A	A	A	?
Rust Inhibitors	?	A	?	A	?	A	B	?	?	A	?	A	?
Sal Ammoniac	X	A	A	A	A	A	A	A	A	X	A	A	?
Sal Soda	X	A	A	?	A	A	?	?	A	A	A	A	?
Salad Dressings	B	A	?	A	?	A	A	?	A	A	?	A	?
Salicylic Acid	B	B	A	X	A	A	?	?	A	B	A	A	A
Salt Brine (NaCl saturated)	B	A	A	?	A	A	?	A	A	A	A	A	?
Salt Water	X	A	A	A	A	A	A	A	A	A	A	A	?
Santo Safe 300	A	A	?	A	?	?	?	?	A	X	X	A	?
Sea Water	B	X	A	A	A	A	A	A	A	A	A	A	A
Sesame Seed Oil	?	A	?	X	A	A	?	?	A	A	?	A	?
Selenious Acid	?	?	?	?	?	?	?	?	?	?	?	?	?
Sewage	X	A	A	X	A	A	A	B	A	A	A	A	A
Shellac	A	A	A	A	?	A	B	?	A	A	X	A	?
Shellac (Bleached)	A	A	?	A	?	A	B	?	A	A	A	A	?
Shellac (Orange)	A	A	?	A	?	A	B	?	A	A	A	A	?
Silicate Esters	A	A	?	A	?	?	B	X	A	B	X	A	?
Silicon Tetrachloride Wet	X	A	?	?	?	?	?	?	A	?	?	?	?
Silicone	A	A	?	A	A	A	?	A	A	A	A	A	?
Silicone Greases	A	A	?	A	A	A	B	A	A	A	A	A	A
Silicone Oil	A	A	A	A	A	A	?	A	A	A	A	A	A
Silicone Oils	A	A	A	A	A	A	B	A	A	A	A	A	A
Silver Bromide	X	X	A	X	?	?	?	?	A	?	?	?	?
Silver Chloride	A	A	?	?	?	?	?	?	A	?	?	?	?
Silver Cyanide	X	A	A	?	A	A	?	?	A	A	A	A	A
Silver Nitrate	X	B	A	A	A	A	A	?	A	B	A	A	A
Silver Plating 25-50 °C (80-120 °F)	?	A	A	?	?	A	?	?	A	A	A	A	?
Skelly, Solvent B,C,E	?	?	?	?	?	?	?	?	?	A	X	A	?
Skydrol 500	?	A	A	?	?	?	A	A	A	X	A	X	A
Skydrol 7000	?	A	A	?	?	?	?	X	A	X	A	B	?
Soap Solutions	X	A	A	A	A	A	A	A	A	A	A	A	A
Soda Ash	X	B	?	X	A	A	A	B	A	A	A	A	?
Soda Ash (see Sodium Carbonate)	X	A	?	A	A	A	?	B	A	A	A	A	A
Sodium Acetate	B	B	A	B	A	A	A	?	A	B	A	X	A
Sodium Acid Sulfate	X	B	?	A	?	A	?	?	A	A	A	A	?
Sodium Aluminate	X	A	B	B	A	A	A	?	A	A	A	A	?
Sodium Aluminium Sulfate	X	A	B	?	?	?	?	?	A	B	A	A	?
Sodium Benzoate	A	?	A	?	A	A	?	?	A	B	A	A	A
Sodium Bicarbonate	X	A	B	A	A	A	A	B	A	A	A	A	A
Sodium Bichromate	B	B	C	?	B	?	?	?	A	A	A	A	?

FLUIDS	METALS			RIGID PLASTICS			PLASTICS			ELASTOMERS			
	Aluminium	Stainless Steel	Hastelloy®	Acetal	Polyvinylidene Fluoride Kynar® or Solex® (PVDF)	Polypropylene	Santoprene®	Hytrel®	Polytetrafluoroethylene (PTFE) Teflon®	Nitrile Butadiene rubber (NBR)	Ethylene Propylene Diene Monomer Rubber (EPDM)	Fluorelastomer, Viton®	Perfluorelastomer (FFKM)
Sodium Bisulfate	X	X	B	B	A	A	A	X	A	B	A	A	A
Sodium Bisulfite	X	B	B	X	A	A	A	B	A	A	A	A	?
Sodium Borate (Borax)	X	B	A	B	A	A	A	B	A	A	A	A	A
Sodium Bromide	X	X	B	A	A	A	?	?	A	A	A	A	?
Sodium Carbonate	X	A	A	A	A	A	A	B	A	A	A	A	A
Sodium Chlorate	X	B	B	A	A	A	A	?	A	B	A	A	A
Sodium Chloride	X	B	A	A	A	A	A	A	A	A	A	A	A
Sodium Chloride - 2% Solution	X	B	?	A	A	A	A	A	A	A	A	A	A
Sodium Chloride - 5% Solution at 65 °C (150 °F)	X	B	?	B	A	A	?	?	A	A	A	A	A
Sodium Chloride - 5% Solution	X	B	?	A	A	A	A	A	A	A	A	A	A
Sodium Chloride Saturated Solution (Boiling)	X	B	?	X	A	X	?	?	A	?	?	?	A
Sodium Chloride Saturated Solution	X	B	?	?	A	A	?	?	A	A	A	A	A
Sodium Chloride Slurry	?	B	?	?	A	A	?	?	?	?	?	?	A
Sodium Chromate	B	B	A	X	A	A	A	A	A	A	A	A	?
Sodium Citrate	X	B	B	A	?	A	?	?	A	A	A	A	?
Sodium Cyanide	X	B	A	A	A	A	A	B	A	A	A	A	A
Sodium Dichromate	B	B	?	?	A	A	?	B	A	A	A	A	A
Sodium Ferricyanide	A	B	B	?	B	A	?	?	A	?	A	A	?
Sodium Ferrocyanide	A	B	A	A	A	A	?	?	A	A	A	A	?
Sodium Fluoride	B	X	A	?	A	A	?	?	A	A	A	A	A
Sodium Fluoride - 5%	B	B	?	?	A	A	?	?	A	A	A	A	A
Sodium Hydrosulfide	?	?	?	A	?	?	?	?	A	X	A	A	?
Sodium Hydrosulfite	A	?	A	?	?	?	?	?	A	X	B	A	?
Sodium Hydroxide	X	?	?	X	?	A	A	?	A	B	A	B	A
Sodium Hydroxide (20% Cold)	X	B	B	A	A	A	A	B	A	A	B	B	A
Sodium Hydroxide (20% Hot)	X	A	?	X	B	?	A	?	A	X	?	B	A
Sodium Hydroxide (50% Cold)	X	B	X	A	X	A	A	X	A	A	B	B	A
Sodium Hydroxide (70% Cold)	X	B	?	X	X	A	A	?	A	B	B	B	A
Sodium Hydroxide 70% Hot)	X	X	?	X	X	?	A	?	?	?	?	?	A
Sodium Hydroxide (80%)	X	B	A	X	X	A	?	?	A	X	B	B	A
Sodium Hydroxide (80% Hot)	X	X	?	X	X	?	A	?	A	X	?	B	A
Sodium Hydroxide 3 Molar	?	?	?	?	?	A	A	?	A	B	B	B	A
Sodium Hypochlorite	X	X	B	X	A	B	A	X	A	X	B	A	A
Sodium Hypochlorite 5%	X	X	?	X	A	A	A	A	A	X	A	A	A
Sodium Hypochlorite (<20%)	X	X	A	X	A	A	?	A	A	B	B	A	A
Sodium Hypochlorite 20%	X	X	?	X	A	A	A	A	A	B	A	A	A
Sodium Hyposulfate	X	A	?	?	?	?	?	?	A	?	?	?	?
Sodium Metaphosphate	X	A	?	B	A	A	A	?	A	A	A	A	?
Sodium Metasilicate	X	A	A	X	?	A	A	?	A	A	A	A	?
Sodium Metasilicate (Hot)	?	A	?	?	?	?	?	?	A	?	?	?	?
Sodium Monophosphate	B	A	?	?	?	?	?	?	A	A	?	?	?
Sodium Nitrate	B	B	B	A	A	A	A	?	A	A	A	A	A
Sodium Nitrate - Fused	A	B	?	?	?	?	?	?	A	X	?	?	?
Sodium Orthosilicate	?	?	?	?	?	?	?	?	A	A	?	?	?

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Sodium Perborate	X	B	B	B	A	A	A	B	A	B	A	A	?
Sodium Peroxide (Sodium Dioxide)	X	A	B	X	A	B	B	B	A	B	A	A	A
Sodium Phosphate	?	B	A	?	A	A	A	?	A	A	A	A	A
Sodium Phosphate (Dibasic)	?	?	?	?	?	?	?	?	A	A	A	A	?
Sodium Phosphate (Mono)	?	?	?	?	?	A	?	?	A	A	A	A	?
Sodium Phosphate (Tribasic)	X	B	A	?	A	A	?	?	A	A	A	A	?
Sodium Polyphosphate	X	B	A	B	A	A	A	?	A	A	A	A	?
Sodium Pyrophosphate	?	?	?	?	?	?	?	?	A	A	?	?	?
Sodium Resinate	?	B	?	A	?	?	?	?	A	A	?	?	?
Sodium Salicylate	?	B	?	?	?	?	?	?	A	?	?	?	?
Sodium Salts	?	?	?	?	?	?	?	?	A	A	A	A	?
Sodium Silicate	A	B	B	X	A	A	A	A	A	A	A	A	?
Sodium Silicate (Hot)	X	B	?	?	?	?	?	?	A	?	?	A	A
Sodium Sulfate (Salt Cake)	A	B	B	B	A	A	?	A	A	A	A	A	?
Sodium Sulfide	X	X	B	B	A	A	A	B	A	A	A	A	?
Sodium Sulfide - Saturated	X	A	?	A	?	?	A	B	A	A	A	A	?
Sodium Sulfite	X	A	B	A	A	A	?	B	A	A	A	A	?
Sodium Sulfite 5% Solution	A	A	?	A	?	?	?	B	A	A	A	A	?
Sodium Sulfite 10% Solution at 65 °C (150 °F)	B	B	?	A	?	?	?	B	A	A	A	A	?
Sodium Sulphate	A	A	?	A	A	A	A	?	A	A	A	A	A
Sodium Sulphide	X	A	?	A	B	A	?	?	A	A	A	A	?
Sodium Tetra Borate (Borax)	B	A	?	A	A	B	A	B	A	A	A	A	?
Sodium Tetraborate	X	A	B	B	A	B	A	B	A	A	A	A	A
Sodium Tetraphosphate	?	?	?	A	?	?	?	?	A	A	?	?	?
Sodium Thiosulfate (Antichlor)	X	B	B	A	A	A	A	?	A	B	A	A	A
Sodium Thiosulfate (hypo)	A	B	A	X	A	A	?	?	A	B	A	A	?
Sodium Triphosphate	?	A	A	A	?	?	?	?	A	A	?	?	?
Sorghum	?	A	A	A	?	?	?	?	A	A	?	A	?
Sour Crude Oil	?	?	?	?	A	?	?	?	?	?	?	?	?
Sour Natural Gas	?	?	?	?	?	?	?	?	?	?	?	?	?
Soy Sauce	A	A	?	A	?	?	?	?	A	A	B	A	?
Soybean Oil	A	A	A	A	A	A	B	B	A	A	X	A	A
Sperm Oil (Whale Oil)	?	A	A	X	A	?	?	?	A	A	?	A	A
Spry	?	?	?	A	?	?	?	?	A	A	B	A	?
SR-10 Fuel	?	?	?	A	?	?	?	?	A	B	X	A	?
SR-6 Fuel	?	?	?	A	?	?	?	?	A	A	X	A	?
Stannic Chloride	X	X	B	X	A	A	?	?	A	A	A	A	A
Stannic Chloride 50%	X	X	?	?	A	A	?	?	A	A	B	A	A
Stannic Fluoborate	X	A	?	X	?	?	A	?	A	A	?	A	?
Stannous Chloride	X	A	B	?	A	A	?	X	A	A	X	A	?
Stannous Chloride 15%	X	A	?	?	A	A	?	A	A	A	A	A	?
Starch	A	A	A	A	A	A	A	B	A	A	A	A	A
Steam Above 175 °C (350 °F)	B	A	?	X	X	X	?	X	X	X	X	X	?
Steam Below 175 °C (350 °F)	A	A	?	X	X	X	?	X	A	X	A	X	?

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Stearic Acid	B	A	B	A	A	A	B	X	A	B	B	A	A
Stoddard Solvent	A	A	A	A	A	X	B	A	A	A	X	A	A
Styrene	A	A	X	A	B	X	X	X	A	X	X	B	?
Sucrose Solutions (Sugar)	A	A	A	A	?	A	?	B	A	A	A	A	A
Sugar (Liquids)	A	A	A	A	?	A	?	?	A	A	A	A	A
Sulfate (Liquors)	X	B	B	X	A	A	?	?	A	A	A	A	?
Sulfate Black Liquor	X	B	A	A	A	A	?	?	A	A	A	A	?
Sulfate Green Liquor	X	B	A	A	A	A	?	?	A	A	A	A	?
Sulfur	A	A	B	A	A	A	A	B	A	X	A	A	A
Sulfur (Molten)	?	?	B	A	?	?	?	X	A	X	X	A	?
Sulfur Chloride	X	X	A	X	A	X	X	X	A	X	X	A	A
Sulfur Containing Oil (1.5%S)	?	B	?	?	?	?	?	?	?	?	?	?	?
Sulfur Dioxide	B	A	X	B	A	A	?	X	A	X	A	A	?
Sulfur Dioxide (dry)	B	A	B	B	A	A	?	X	A	X	A	A	A
Sulfur Dioxide Liquified Under Press	?	?	?	A	?	?	?	X	A	X	A	X	?
Sulfur Dioxide Wet	A	A	?	A	A	A	?	X	A	X	A	X	?
Sulfur Hexafluoride	X	?	X	A	?	?	B	B	A	B	B	X	A
Sulfur Trioxide	A	X	B	X	B	X	?	X	A	X	X	A	?
Sulfur Trioxide (dry)	A	A	B	X	X	X	?	X	A	X	X	A	?
Sulfuric Acid (<10%)	X	B	B	X	A	A	?	A	A	A	A	A	A
Sulfuric Acid (10-75%)	X	X	B	X	A	A	?	?	A	B	B	A	?
Sulfuric Acid (75-100%)	X	X	B	?	A	X	?	X	A	X	B	A	?
Sulfuric Acid (Aerated) No Velocity	X	B	?	?	?	?	?	?	?	?	?	?	?
Sulfuric Acid (Air Free) No Velocity	X	B	?	?	?	?	?	?	?	?	?	?	?
Sulfuric Acid (cold concentrated)	B	B	A	?	A	A	?	B	A	X	X	B	?
Sulfuric Acid (hot concentrated)	X	X	X	?	X	X	?	?	A	X	X	A	?
Sulfuric Acid (Fuming) Oleum	?	A	B	?	?	?	?	X	A	X	X	B	?
Sulfuric Acid 3 Molar	?	?	?	?	?	?	?	?	A	X	B	A	?
Sulfuric Acid Concentrated	A	A	A	?	?	X	?	?	A	X	B	A	?
Sulfurous Acid	B	B	B	X	A	A	?	B	A	B	B	A	A
Sulfuryl Chloride	?	?	?	A	?	?	?	?	A	?	?	?	?
Sulphuric Acid - 5%	X	A	?	X	A	A	A	A	A	A	?	A	?
Sulphuric Acid 5% Solution Boiling	X	?	?	X	A	X	?	?	A	?	X	?	?
Sulphuric Acid 10% Solution	X	A	?	X	A	A	A	A	A	B	A	A	?
Sulphuric Acid 10% Solution Boiling	X	?	?	X	A	X	X	?	A	X	X	?	?
Sulphuric Acid 50% Solution Boiling	X	X	?	X	X	X	X	?	A	X	X	?	?
Sulphuric Acid Conc. Solution Boiling	X	X	?	X	?	X	X	X	A	X	X	?	?
Sulphuric Acid Conc. Solution at 300%	X	X	?	X	X	?	X	X	?	X	X	?	?
Sulphuric Acid Concentrated Solution	X	A	?	X	X	?	X	X	A	X	B	A	?
Sulphuric Acid Fuming	X	B	?	X	X	X	X	X	A	X	X	B	?
Sulphurous Acid - Saturated	X	A	B	X	A	A	?	X	A	X	B	A	?
Sulphurous Spray	?	X	?	?	?	?	?	?	?	?	?	?	?
Sunsafe (Fire Resist. Hydr. Fluid)	A	A	?	?	?	?	?	?	A	A	?	A	?
Syrup	A	A	?	A	A	A	A	?	A	A	A	A	?

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P-Tertiary Butyl Catechol	X	B	?	?	?	?	?	?	A	X	B	A	?
Talc Oil	B	A	?	?	?	?	?	?	A	?	?	A	?
Talc Slurry	?	?	?	?	?	?	?	?	A	A	?	?	?
Tall Oil	X	B	A	?	A	A	B	?	A	A	X	A	A
Tallow	A	A	?	A	?	A	?	?	A	A	A	A	?
Tannic Acid	X	A	B	B	B	A	A	A	A	A	A	A	?
Tannin	?	?	?	A	?	?	?	?	A	A	?	?	?
Tanning Oil	?	A	?	X	A	?	?	?	?	A	?	A	?
Tanning Liquors	A	A	B	B	?	A	?	?	A	B	B	A	A
Tar and Tar Oil	A	A	?	A	?	A	?	?	A	?	B	A	?
Tar, Bituminous	A	A	A	B	?	A	B	B	A	B	X	A	A
Tartaric Acid	B	X	B	B	B	A	A	X	A	A	B	A	?
Teiary Butyl Alcohol	?	?	?	?	?	B	?	?	A	X	B	A	?
Terpene Monocyclic	?	?	?	?	?	?	?	?	A	?	?	?	?
Terpineol	A	A	A	?	B	X	?	?	A	B	X	A	?
Tertiary Butyl Mercaptan	?	?	?	?	?	?	?	?	A	X	X	A	?
Tetrabromoethane	X	A	?	?	?	X	X	?	A	X	X	A	?
Tetrabutyl Titanate	?	?	?	?	?	?	?	?	A	B	A	A	?
Tetrachlorodifluoroethane	?	?	?	?	?	?	?	?	A	B	X	A	A
Tetrachloroethane	X	A	A	A	A	X	X	?	A	X	X	A	?
Tetrachloroethylene	X	A	?	A	A	X	X	X	A	X	X	A	?
Tetraethyl Lead	A	A	A	A	A	A	X	?	A	B	X	A	?
Tetraethyl Lead `Blend`	?	?	?	?	?	?	?	?	?	B	X	A	?
Tetraethylene Glycol	?	?	?	?	?	?	?	?	A	A	?	A	A
Tetrahydrofuran	?	A	A	A	B	X	X	B	A	X	X	X	?
Tetralin	A	A	A	?	A	X	B	?	A	X	X	A	?
Tetraphosphoglucosate	?	?	?	?	?	?	?	?	A	A	?	?	?
Tetraphosphoric Acid	X	B	?	X	?	?	?	?	A	?	?	?	?
Thiamin Hydrachloide	?	?	?	?	?	?	?	?	A	?	?	?	?
Thiokol TP-90B	?	?	?	?	?	?	?	?	?	X	A	A	?
Thiokol TP-95	?	?	?	?	?	?	?	?	?	X	A	A	A
Thionyl Chloride	X	X	A	B	X	X	?	?	A	X	X	A	A
Thiophene	?	?	?	?	?	?	?	?	A	X	X	X	?
Tin-Fluoborate Plating 38 °C (100 °F)	?	X	A	?	?	A	?	?	A	B	?	A	?
Tin-Lead Plating 38 °C (100 °F)	?	X	A	?	?	A	?	?	A	B	?	A	?
Tin Salts	X	X	X	?	A	A	?	?	A	A	B	A	?
Tin Tetrachloride	X	X	A	A	A	B	?	?	A	?	?	?	A
Titanium Tetrachloride	X	B	B	A	?	B	X	?	A	X	X	A	A
Toluene (Toluol)	A	A	A	X	A	X	X	B	A	X	X	X	?
Toluene Di-isocyanate (Hylene)	?	?	?	X	?	?	B	B	A	X	B	A	?
Toluene Diisocyanide	?	?	?	X	?	?	B	B	A	X	B	X	?
Toluidine	A	A	A	?	A	X	?	?	A	X	X	B	?
Toluol	A	A	?	B	B	B	X	B	A	X	X	A	?
Tomato Juice	A	A	A	B	A	A	A	?	A	A	A	A	?

FLUIDS	METALS			RIGID PLASTICS			PLASTICS			ELASTOMERS			
	Aluminium	Stainless Steel	Hastelloy®	Acetal	Polyvinylidene Fluoride Kynar® or Solex® (PVDF)	Polypropylene	Santoprene®	Hytrel®	Polytetrafluoroethylene (PTFE) Teflon®	Nitrile Butadiene rubber (NBR)	Ethylene Propylene Diene Monomer Rubber (EPDM)	Fluorelastomer, Viton®	Perfluorelastomer (FFKM)
A: Excellent B: Good C: Moderate effect D: Not recommended X: Not recommended, material incompatible ?: Not enough information													
Tooth Paste	?	A	?	?	?	?	?	?	A	A	?	A	A
Transformer Oil	A	A	A	A	A	B	X	?	A	A	X	A	?
Transmission Fluid, Type A	A	A	A	A	?	?	X	B	A	A	X	A	A
Triaryl Phosphate	?	A	?	A	?	?	?	?	A	X	A	A	?
Tributoxy Ethyl Phosphate	?	?	?	A	?	?	B	?	A	X	A	A	A
Tributyl Mercaptan	?	?	?	A	?	?	?	?	A	X	X	A	A
Tributyl Phosphate	A	A	?	B	A	B	B	X	A	X	A	X	?
Trichloroacetic Acid	X	X	B	?	B	B	B	X	A	B	B	X	?
Trichlorethylene (Triad)	B	B	B	B	A	X	X	X	A	X	X	A	A
Trichloroacetic Acid	X	X	B	?	B	A	?	?	A	?	B	X	?
Trichlorobenzenes	A	A	B	?	?	?	?	?	A	X	?	B	?
Trichloroethane	X	B	A	A	A	X	X	X	A	X	X	A	?
Trichloroethylene	X	B	A	X	B	X	?	X	A	X	X	A	?
Trichloropropane	X	A	A	A	?	X	X	?	A	X	?	A	?
Trichlorotrifluoroethane (Freon 113)	X	A	A	A	A	X	X	A	A	A	X	B	?
Tricloromonofluoroethane (Freon 37)	X	A	?	?	?	?	?	?	?	?	?	?	?
Tricresolphosphate	X	A	?	?	?	?	?	?	A	?	?	A	A
Tricresylphosphate	X	B	A	X	X	A	?	?	A	X	A	A	?
Tridecyl Alcohol (Tridecanol)	?	?	?	?	?	?	?	?	A	A	?	B	A
Triethanolamine	A	A	A	A	X	A	A	X	A	X	B	X	A
Triethyl Aluminium (ATE)	?	A	?	?	B	?	B	?	A	X	B	B	?
Triethyl Borane	?	?	?	?	?	?	B	?	A	X	B	A	?
Triethylamine	A	A	A	X	A	X	B	?	A	X	A	X	?
Triethylene Glycol (TEG)	A	A	?	?	?	A	?	?	A	A	?	A	?
Trifluoroethane	X	?	?	?	?	?	?	?	A	X	X	A	?
Trimethylene Glycol	A	A	?	?	?	A	?	?	A	A	A	A	A
Trinitrotoluene (TNT)	X	?	?	?	?	?	?	?	A	X	X	B	A
Trioctyl Phosphate	?	?	?	?	?	?	?	?	A	X	A	B	?
Triphenyl Phosphite	A	A	?	?	?	?	?	?	?	X	?	X	?
Tripoly Phosphate	?	?	?	?	?	?	?	?	A	X	A	A	?
Tripotassium Phosphate + H2S	?	?	?	?	?	?	?	?	A	?	?	?	A
Trisodium Phosphate	X	B	A	A	A	A	?	A	A	A	A	A	?
Ttiacetin	B	?	?	A	?	?	?	?	A	B	A	X	?
Tung Oil	A	A	A	A	?	A	B	B	A	A	X	A	?
Turbine Oil	A	A	?	A	A	B	?	?	A	B	A	A	?
Turbine Oil #15 (Mil-L-7808A)	A	A	?	?	?	?	?	?	A	A	A	A	?
Turbo Oil #35	A	A	?	?	?	?	?	?	A	B	B	A	A
Turpentine	A	A	B	A	A	X	B	A	A	A	X	A	?
Type 1 Fuel(Mil-S-3136) ASTM-RefA	A	A	?	?	?	?	X	A	A	A	X	A	?
Type 11 Fuel(Mil-S-3136)	A	A	?	?	?	?	X	?	?	B	X	A	?
Type 111 Fuel(Mil-S-3136) ASTM-RefB	A	A	?	?	?	?	X	A	A	A	X	A	?
Univis 40 (Hydr. Fluid)	A	A	?	A	?	?	?	?	A	A	X	A	?
Univolt #35 (Mineral Oil)	?	?	?	A	?	?	?	?	A	A	X	A	?
Unsymmetrical Dimethyl Hydrazine	A	A	?	?	A	?	?	?	A	B	A	X	A

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Urea (Carbonate)	B	B	B	A	A	A	A	A	A	B	A	A	?
Uric Acid	X	B	B	?	?	?	A	X	A	?	?	?	?
Urine	B	A	A	A	A	A	A	?	A	A	A	A	?
Valeric Acid	A	?	?	?	?	?	?	?	A	X	A	?	?
Vanadium Ashes	?	A	?	?	?	?	?	?	?	?	?	?	?
Vanadium Pentoxide	?	A	?	?	?	?	?	?	?	?	?	?	?
Vanilla Extract	?	A	?	?	?	?	?	?	A	A	?	X	?
Varnish	A	A	A	A	?	A	B	?	A	B	X	A	A
Vegetable Juice	X	A	?	A	?	?	A	?	A	A	A	A	A
Vegetable Oil	A	A	A	A	A	X	B	?	A	A	X	A	A
Vegetable Oil (Hot)	A	B	?	?	?	?	?	?	A	B	?	?	?
Versilube	A	A	?	A	?	?	?	?	A	A	A	A	?
Versilube F-50	A	A	?	A	?	A	X	?	A	A	A	A	A
Vinegar	X	A	A	B	B	A	A	B	A	B	A	A	A
Vinyl Acetate	A	B	?	?	A	B	B	?	A	X	B	A	A
Vinyl Chloride	B	A	A	?	B	X	X	?	A	X	X	A	?
VV-H-910	?	?	?	?	?	?	?	?	?	X	A	A	?
Walnut Oil	?	?	?	?	?	?	?	?	A	A	?	A	?
Water	A	A	A	A	A	A	?	A	A	A	A	A	?
Water - Brine, Process, Beverage	?	B	?	A	A	?	A	?	A	A	A	A	?
Water, Acid, Mine	X	B	A	A	A	A	A	?	A	A	A	A	?
Water, Deionized	A	A	A	?	A	A	?	?	A	A	A	A	?
Water, Distilled	A	A	A	B	A	A	A	A	A	A	A	A	?
Water, Fresh	B	A	A	A	A	A	A	A	A	A	A	A	?
Water, Salt	B	B	A	A	A	A	A	A	A	A	A	A	?
Waxes	A	A	A	A	A	B	?	?	A	A	A	A	?
Weed Killers	X	A	?	A	?	?	B	?	A	A	?	A	?
Wemco C	?	?	?	?	?	?	?	?	?	A	X	A	?
Whey	B	A	?	A	?	?	A	?	A	A	?	A	A
Whiskey & Wines	X	A	A	A	A	A	A	A	A	A	A	A	?
White Liquor (Pulp Mill)	B	A	A	X	A	A	?	?	A	A	?	A	?
White Oil	?	A	A	A	?	?	X	?	A	A	X	A	?
White Pine Oil	?	?	?	A	?	?	X	?	A	B	X	A	?
White Sulfate Liquor	B	A	?	?	?	A	?	?	A	B	A	B	?
White Water (Paper Mill)	?	A	?	B	?	A	?	?	?	?	?	A	?
Wolmar Salt	?	?	?	?	?	?	?	?	?	A	A	A	?
Wood Alcohol	A	A	?	A	?	?	?	?	A	A	A	X	?
Wood Oil	A	A	?	A	?	?	B	B	A	A	A	B	?
Wort, Distillery	A	A	A	?	?	?	?	?	A	A	A	A	A
Xenon	A	A	?	A	?	?	?	?	A	A	A	A	A
Xylene (Xylo)	A	B	A	A	A	B	B	B	A	X	X	B	A
Xylidenes - Mixed - Aromatic Amines	A	A	?	A	B	A	?	?	A	X	X	X	?
Xylon	?	?	?	?	?	?	?	?	A	?	?	?	?
Yeast	?	?	?	?	A	A	?	?	A	A	A	A	?

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Yeast Wort	?	?	?	?	A	A	?	?	A	A	A	A	A
Zeolites	?	A	A	A	?	?	A	?	A	A	A	A	A
Zinc Acetate	B	A	?	A	?	X	A	?	A	B	A	X	?
Zinc Ammonium Chloride	?	?	?	?	?	?	?	?	A	A	?	?	?
Zinc Carbonate	B	B	B	A	?	?	?	?	A	A	A	A	A
Zinc Chloride	X	B	B	X	A	A	A	A	A	A	A	A	A
Zinc Chloride 5% Solution	X	B	?	A	A	A	A	A	A	A	A	A	?
Zinc Hydrosulfite	X	A	?	X	?	?	?	?	A	A	A	?	?
Zinc Nitrate	?	A	?	?	A	A	?	?	A	A	B	?	?
Zinc Plating Acid Chloride 60 °C (140 °F)	?	X	X	?	?	A	?	?	A	A	?	A	?
Zinc Plating Acid Fluoborate R.T.	?	X	A	?	?	A	?	?	A	B	?	A	?
Zinc Plating Acid Sulfate Bath 65 °C (150 °F)	?	X	A	?	?	A	?	?	A	A	?	A	?
Zinc Plating Alkaline Cyanide R.T	?	A	A	?	?	A	?	?	A	A	?	A	?
Zinc Salts	?	?	?	A	?	?	?	?	A	A	A	A	A
Zinc Sulfate	X	A	A	X	A	A	A	?	A	A	A	A	A
Zinc Sulfate 5% Solution	X	A	?	B	?	A	A	?	A	A	A	A	A
Zinc Sulfate 25% Solution (Boiling)	X	A	?	?	?	?	?	?	A	?	?	?	A
Zinc Sulfate Saturated Solution	X	A	?	B	?	A	A	?	A	A	A	A	?



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