Chemical Compatibility

Reference Guide for pumps, valves, tubings and piping material selection

The following information is intended to be used as a general guideline for pumps, valves, tubings and piping material selection. The information accuracy of these ratings cannot be guaranteed, nor is it a complete list due to the extensive area of this field. Materials used in the pump and pumping systems must be chemically compatible. The data provided for the chemicals is at 70ºF (21ºC), unless otherwise noted. If your temperature differs from this, it may affect the compatibility of the fluid with the given pump materials by accelerating the reaction. If you are unsure of the compatibility of your chemical, we recommend testing a sample of the material in question with the chemical.

CHEMICALS	METALS							PLASTICS, ELASTOMERS & LEATHER																	
A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Acetaldehyde	B	D	C	-	A	A	A	A	C	A	D	D	D	B	-	C	D	D	A	C	A	A	D	B	B	D
Acetamide	A	D	D	-	B	A	A	A	B	A	B	B	A	D	-	D	A	A	A	B	A	A	C	A	A	D
Acetate Solvents	A	D	D	-	A	A	A	A	C	A	D	D	D	D	-	C	C	D	A	D	B	A	A	B	B	D
Acetic Acid	B	D	D	-	D	B	A	D	C	A	-	B	-	D	-	B	C	C	D	C	B	A	C	B	A	C
Acetic Acid — 20%	B	D	D	-	B	A	A	C	A	A	C	B	D	-	-	B	B	-	D	A	A	A	A	B	A	-
Acetic Acid — 30%	D	-	A	-	A	-	C	B	-	A	D	-	-	-	-	-	C	-	-	B	B	A	B	B	A	-
Acetic Acid — 50%	D	-	A	-	A	-	C	B	-	A	C	-	-	-	-	-	C	-	-	C	B	A	B	B	A	-
Acetic Acid — 80%	B	D	D	-	D	B	A	D	C	A	-	B	D	-	-	C	C	-	D	C	A	A	C	-	-	-
Acetic Acid — Glacial	B	D	D	-	C	A	A	D	C	B	D	D	B	A	-	C	C	-	B	D	A	A	A	B	B	-
Acetic Anhydride	A	D	D	-	B	A	A	D	A	B	D	D	D	C	-	C	D	D	A	A	B	A	B	A	D	B
Acetone	A	A	A	-	A	A	A	A	C	A	D	D	D	B	-	C	D	D	A	C	A	A	D	B	A	D
Acetone Cyanohydrin	B	-	B	-	B	-	-	-	-	D	D	-	D	-	-	-	D	-	-	B	-	A	-	A	-	-
Acetonitrile (Methyl Cyanide)	A	-	A	-	A	-	B	A	-	A	D	D	D	-	-	-	D	D	A	D	B	A	A	A	-	B
Acetophenone	B	-	A	-	A	B	B	-	-	B	D	D	D	-	-	-	D	D	A	D	B	A	A	B	-	-
Acetyl Acetone	D	-	B	-	B	-	-	-	-	A	D	D	D	-	-	-	D	D	-	D	-	A	-	B	-	D
Acetyl Bromide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	A	-	-	-	-
Acetyl Chloride	D	B	B	-	A	A	A	D	D	D	B	A	D	D	-	D	D	D	B	D	D	A	A	B	-	D
Acetyl Sallicylic Acid (Aspirin)	D	-	B	-	B	-	-	-	-	B	-	A	-	-	-	-	A	-	-	D	-	A	-	C	A	-
Acetylene	A	A	A	-	A	A	A	A	B	A	A	A	B	A	-	B	B	A	A	B	A	A	A	C	-	D
Acetylene Tetrabromide	D	-	A	-	-	-	-	-	-	-	A	-	D	-	-	-	D	-	-	D	-	A	-	D	-	-
Acrolein (Acryaidethyde)	B	-	B	-	B	-	-	-	-	A	A	B	B	D	-	-	C	-	-	D	-	A	-	A	-	D
Acrylonitrile	B	A	A	-	A	A	B	-	C	D	D	D	D	D	-	B	D	D	A	C	A	A	A	D	-	D
Adipic Acid	A	A	A	-	A	A	A	A	-	A	A	A	A	D	-	A	C	B	A	C	B	A	A	B	A	-
Aero Lubriplate	A	-	A	-	A	-	A	A	-	D	-	A	-	D	-	-	A	A	-	A	A	A	A	C	-	-
Aerosafe 2300	A	-	A	-	A	-	-	A	-	A	-	D	-	A	-	-	D	D	-	D	-	A	-	B	-	A
Aerosafe 2300W	A	-	A	-	A	-	-	A	-	A	-	D	-	A	-	-	D	D	-	D	-	A	-	B	-	D
Aeroshell 17 Grease	A	-	A	-	A	-	-	A	-	D	-	A	-	D	-	-	A	A	-	B	-	A	-	D	-	A
Aeroshell 1AC	A	-	A	-	A	-	A	A	-	D	-	A	-	D	-	-	A	A	-	B	A	A	B	D	-	B
Aeroshell 750	A	-	A	-	A	-	-	A	-	D	-	A	-	D	-	-	B	C	-	D	-	A	-	D	-	A
Aeroshell 7A Grease	A	-	A	-	A	-	-	A	-	D	-	A	-	D	-	-	A	A	-	B	-	A	-	D	-	D
Alcohol: Amyl	B	B	B	-	A	A	A	A	A	A	-	A	B	A	-	B	B	B	A	A	A	A	A	A	A	D

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Alcohol: Benzyl	B	B	B	-	B	B	A	A	C	B	-	A	-	D	-	D	D	D	B	C	A	A	A	A	A	C
Alcohol: Butyl	B	B	B	-	A	A	A	A	A	A	-	A	-	D	-	A	C	B	D	A	A	A	A	A	A	D
Alcohol: Diacetone	A	A	A	-	A	A	A	A	D	A	-	D	-	D	-	D	D	D	A	D	B	A	A	C	-	B
Alcohol: Ethyl	B	B	B	-	A	A	A	A	A	A	-	A	-	A	-	A	C	A	A	A	A	A	A	B	A	D
Alcohol: Hexyl	A	A	A	-	A	A	A	A	B	C	-	C	-	D	-	A	A	A	A	A	A	A	A	B	-	D
Alcohol: Isobutyl	B	C	C	-	A	A	A	A	A	A	-	A	-	B	-	A	B	C	A	A	A	A	A	A	-	D
Alcohol: Isopropyl	B	A	A	-	B	B	A	A	A	A	-	A	-	A	-	A	B	C	D	B	A	A	A	B	-	D
Alcohol: Methyl	A	A	A	-	A	A	A	A	A	A	-	C	-	B	-	A	A	A	B	A	A	A	A	A	A	D
Alcohol: Octyl	A	A	A	-	A	A	C	A	B	A	-	B	-	D	-	B	B	-	A	B	-	A	-	B	-	D
Alcohol: Propyl	A	A	A	-	A	A	A	A	A	A	-	A	-	D	-	A	A	A	A	A	A	A	A	A	C	D
Alcohols R-OH	-	-	-	-	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	-	A	-	A	-	A	-
Alkazene	-	-	-	-	-	-	-	-	-	-	A	A	-	D	-	-	D	D	-	D	-	A	-	D	B	D
Allyl Alcohol	B	-	A	-	A	-	A	-	-	A	B	B	-	D	-	-	A	A	-	A	A	A	A	B	A	B
Allyl Bromide	D	-	A	-	-	-	-	-	-	D	B	B	-	D	-	-	D	D	-	D	-	A	-	-	-	A
Allyl Chloride	D	-	C	-	B	-	-	-	-	D	B	B	D	D	-	-	D	C	-	D	A	A	A	-	B	D
Almond Oil (Artificial)	-	-	-	-	-	-	-	-	-	B	D	D	-	D	-	-	D	D	-	D	-	A	-	C	-	D
Alum (Aluminum Potassium Sulfate)	C	-	D	-	B	-	B	A	-	A	D	A	-	D	-	-	A	A	C	A	A	A	A	A	A	D
Aluminum Acetate (Burow's Solution)	A	-	D	-	C	B	B	A	-	A	D	D	D	-	-	-	C	-	A	C	A	A	-	A	A	D
Aluminum Ammonium Sulfate	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	A	-	A	A	A	A	B	-	-
Aluminum Bromide	-	-	-	-	-	-	-	-	-	A	-	A	A	D	-	-	A	B	-	A	-	A	A	B	-	D
Aluminum Chloride	D	D	D	-	B	B	A	B	B	A	A	A	A	C	-	A	A	A	B	A	A	A	A	A	A	B
Aluminum Chloride 20%	D	D	D	-	D	C	A	C	B	A	-	A	-	-	-	A	A	-	D	A	A	A	A	-	-	-
Aluminum Fluoride	B	D	D	-	D	D	B	C	A	A	A	A	A	-	-	B	A	B	A	A	A	A	A	A	A	C
Aluminum Hydroxide	B	A	A	-	A	C	B	A	A	A	C	A	A	D	-	D	A	A	A	A	A	A	A	A	A	B
Aluminum Nitrate	D	-	D	-	A	A	B	B	A	A	A	A	A	-	-	A	A	A	A	A	A	A	A	A	A	C
Aluminum Phosphate	-	-	-	-	A	A	-	A	-	A	A	A	-	-	-	-	A	A	-	A	A	A	A	A	-	D
Aluminum Potassium Sulfate	C	D	D	-	D	B	C	C	A	A	A	A	A	D	-	A	A	A	D	A	A	A	A	A	A	D
Aluminum Potassium Sulfate 10%	C	D	D	-	A	A	C	C	A	A	-	A	-	-	-	A	A	-	D	A	A	A	B	-	-	-
Aluminum Sodium Sulfate (Soda Alum)	-	-	-	-	-	-	-	-	-	A	A	-	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Aluminum Sulfate	B	D	D	-	B	B	B	B	A	A	A	A	A	B	-	A	A	A	A	A	A	A	A	A	A	B
Alums	A	D	D	-	-	A	B	-	-	A	-	A	A	D	-	A	A	-	A	B	A	A	A	-	-	-
Amines	B	D	D	-	A	A	B	D	D	B	D	D	D	A	-	B	D	D	D	B	B	A	-	A	A	D
Ammonia 10%	A	A	A	-	A	A	A	D	D	A	-	D	A	-	-	D	A	-	A	A	A	A	A	A	-	-
Ammonia Gas — Cold	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	A	-	-	A	-	A	-	A	A	-

Ammonia Gas — Hot	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	C	-	-	B	-	A	-	A	A	-
Ammonia Liquors	A	-	A	-	A	-	-	-	-	-	D	-	-	-	-	-	-	-	-	A	-	A	-	A	-	-
Ammonia Nitrate	C	A	A	-	A	A	B	C	D	A	-	D	D	-	-	-	C	A	D	C	A	A	A	A	-	B
Ammonia, Anhydrous	A	A	A	-	A	A	B	D	D	A	D	D	D	D	-	D	B	B	A	A	A	A	A	A	A	D

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Ammonia, Aqueous	D	-	A	-	A	A	B	D	-	A	-	D	-	-	-	-	B	B	B	A	A	A	A	A	D	B
Ammonia, Gas (Cold)	-	-	-	-	-	-	-	A	-	A	-	D	-	D	-	-	A	B	-	A	B	A	D	A	-	B
Ammonia, Gas (Hot)	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	C	-	-	B	-	A	-	-	-	-
Ammonium Acetate	A	-	A	-	B	A	-	C	-	A	A	A	B	D	-	-	B	A	A	A	A	A	-	A	A	D
Ammonium Bicarbonate	B	-	B	-	-	-	-	-	-	B	A	D	-	-	-	-	A	B	-	A	-	A	-	B	A	C
Ammonium Bifluoride	B	D	D	-	D	B	B	D	-	A	-	A	B	-	-	-	B	A	-	D	A	A	A	A	-	D
Ammonium Carbonate	B	B	B	-	B	B	B	D	-	A	A	A	D	-	-	A	B	C	A	A	A	A	A	A	A	A
Ammonium Casenite	-	-	-	-	A	A	-	D	-	-	-	-	-	-	-	-	-	-	-	A	-	A	-	A	-	-
Ammonium Chloride	B	D	D	-	C	B	D	B	A	A	A	A	B	A	-	A	B	-	B	B	A	A	A	A	A	-
Ammonium Chloride 1%	C	-	D	-	C	-	A	A	-	A	-	A	-	A	-	-	B	A	-	A	A	A	A	A	A	B
Ammonium Cupric Sulfate	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	A	-	-	-	-	A	-	-	-	-
Ammonium Dichromate	A	-	A	-	-	-	-	-	-	A	-	-	A	-	-	-	A	B	-	A	-	A	-	A	-	-
Ammonium Diphosphate	-	-	-	-	-	-	-	-	-	A	-	A	-	D	-	-	A	-	-	A	-	A	-	A	-	-
Ammonium Fluoride	D	-	D	-	D	-	A	-	-	A	A	A	-	-	-	-	B	B	A	B	B	A	A	B	A	-
Ammonium Hydroxide	B	D	D	-	A	A	B	C	A	A	B	B	B	C	-	D	D	B	A	A	A	A	A	A	A	D
Ammonium Metaphosphate	B	-	B	-	B	-	A	-	-	A	A	-	-	-	-	-	A	-	-	A	A	A	A	-	A	-
Ammonium Nitrate	B	B	B	-	A	A	B	A	A	A	A	A	A	B	-	C	A	A	A	B	A	A	A	A	A	A
Ammonium Nitrite	-	-	-	-	A	-	-	-	-	A	-	A	-	-	-	-	A	A	-	A	A	A	A	A	A	D
Ammonium Oxalate	-	D	D	-	A	A	A	B	-	A	-	-	A	-	-	-	D	-	-	A	A	-	-	A	A	-
Ammonium Oxalate - 5% Sol.	-	-	D	-	A	-	A	B	-	A	-	-	-	-	-	-	A	B	-	A	-	A	-	A	A	-
Ammonium Persulfate	D	D	D	-	A	B	B	D	A	B	A	A	D	-	-	A	A	D	D	A	A	A	A	A	A	D
Ammonium Phosphate	B	-	D	-	A	-	A	B	-	A	-	A	-	B	-	-	A	A	-	A	A	A	A	A	B	B
Ammonium Phosphate, Dibasic	B	D	D	-	B	C	B	B	A	A	A	A	A	-	-	A	A	-	C	A	A	A	A	A	-	-
Ammonium Phosphate, Monobasic	B	D	D	-	B	C	B	B	A	A	A	A	A	B	-	A	A	-	B	A	A	A	A	A	A	-
Ammonium Phosphate, Tribasic	B	D	D	-	B	B	B	B	A	A	A	A	A	-	-	A	A	-	B	A	A	A	A	A	-	-
Ammonium Sulfamate	-	-	-	-	-	-	-	-	-	A	-	A	-	B	-	-	A	A	-	A	-	A	-	A	-	A
Ammonium Sulfate	A	D	D	-	B	B	B	B	A	A	A	A	A	B	-	A	A	A	A	A	A	A	A	A	A	A
Ammonium Sulfide	B	-	-	-	B	-	A	-	-	A	A	D	A	-	-	-	A	-	-	A	-	A	-	-	A	B
Ammonium Sulfite	D	D	D	-	B	B	A	D	A	A	A	D	A	B	-	A	A	A	A	A	A	A	-	A	A	D
Ammonium Sulphate 1% - 5%	B	-	C	-	A	-	B	A	-	-	-	D	-	C	-	-	A	A	-	A	A	A	A	-	A	B
Ammonium Thiocyanate	C	-	C	-	A	-	A	-	-	A	A	A	-	-	-	-	A	-	-	A	-	A	A	-	A	-
Ammonium Thiophosphate	-	-	-	-	-	-	-	-	-	A	-	A	-	D	-	-	A	A	-	A	-	A	-	A	-	-
Ammonium Thiosulfate	A	D	D	-	A	A	-	B	-	A	A	A	A	-	-	-	A	A	-	A	-	A	-	A	-	-
Amyl Acetate (Banana Oil)	A	C	C	-	A	A	A	B	D	A	D	D	-	C	-	D	D	D	B	D	B	A	A	D	B	D
Amyl Alchol	B	-	-	-	A	-	A	A	-	-	B	-	-	-	-	-	B	-	A	B	B	A	A	A	A	-
Amyl Alcohol	B	B	B	-	A	A	A	A	A	A	A	A	-	A	-	B	B	B	A	A	B	A	A	B	A	D
Amyl Borate	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	B	-	-	B	-	A	-	B	-	D
Amyl Chloride (Chloropentane)	A	A	A	-	A	A	A	A	D	D	A	B	D	D	-	D	D	D	C	D	D	A	A	C	D	C

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Amyl Chloronapthalene	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	B	C	-	D	-	A	-	C	-	D
Amyl Naphthalene	-	-	-	-	-	-	-	-	-	D	A	A	-	D	-	-	D	D	-	D	-	A	-	C	-	D
Amyl Phenol	A	-	A	-	A	-	A	-	-	-	A	A	-	-	-	-	D	-	-	-	-	A	-	C	-	-
AN-0-3 Grade M	-	-	-	-	-	-	-	-	-	B	-	A	-	D	-	-	A	B	-	D	-	A	-	B	-	B
AN-0-366	-	-	-	-	-	-	-	-	-	C	-	A	-	D	-	-	A	B	-	D	-	A	-	-	-	D
AN-0-6	-	-	-	-	-	-	-	-	-	A	-	A	-	D	-	-	A	B	-	A	-	A	-	-	-	D
Anderol, L-774 (Di-Ester)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	D	-	A	-	-	-	D
Anderol, L-826 (Di-Ester)	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	B	D	-	D	-	A	-	D	-	D
Anderol, L-829 (Di-Ester)	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	B	D	-	D	-	A	-	D	-	D
ANG-25 (Di-Ester Base) (TG7449)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	D	-	D	-	A	-	D	-	D
ANG-25 (Glyceral Ester)	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	B	D	-	B	-	A	-	-	-	D
Anhydrous Hydrazine	-	-	-	-	-	-	-	-	-	B	-	D	-	-	-	-	D	D	-	B	-	A	-	-	-	D
Anhydrous Hydrogen Fluoride	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	D	D	-	-	-	A	-	C	-	D
Aniline	C	C	C	-	A	B	B	A	D	B	B	A	-	D	-	D	D	D	A	D	A	A	A	B	C	D
Aniline Dyes	B	-	C	-	B	B	-	D	-	C	B	A	D	D	-	-	C	D	-	C	-	A	-	B	C	D
Aniline Hydrochloride	D	D	D	-	D	D	D	-	-	B	B	A	D	-	-	A	D	D	D	D	D	A	A	A	C	D
Aniline Sulfite	-	-	-	-	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal Fats & Oils	A	-	D	-	A	A	A	A	-	B	A	A	A	B	-	-	A	B	-	C	A	A	A	C	A	C
Anisole (Methylphenyl Ether)	B	-	B	-	B	-	B	-	-	-	D	-	-	-	-	-	-	-	-	D	-	A	-	-	C	-
Ansul Ether	-	-	-	-	-	-	-	-	-	C	D	D	-	D	-	-	C	D	-	D	-	A	-	D	-	B
Anthaquinone	B	-	B	-	B	-	A	-	-	C	-	D	-	D	-	-	C	D	-	D	-	A	-	D	-	B
Anti-Freeze (Alcohol Base)	A	A	A	-	-	A	-	D	-	A	-	A	-	-	-	A	A	-	D	C	D	-	-	-	-	-
Anti-Freeze (Glycol Base)	A	-	A	-	A	-	A	B	-	A	A	A	A	A	-	-	A	A	-	B	A	A	A	A	A	B
Antimony Chloride	B	-	A	-	A	-	B	-	-	A	-	B	-	D	-	-	B	B	-	D	A	A	A	A	A	-
Antimony Pentachloride	A	-	A	-	A	-	A	-	-	-	-	-	D	-	-	-	D	-	-	-	-	A	-	-	A	-
Antimony Trichloride	D	-	A	-	D	D	B	-	-	B	A	A	B	D	-	-	B	-	D	C	A	A	A	A	A	D
AN-VV-0-366b Hydr. Fluid	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	A	D	-	C	-	A	-	D	-	D
Aqua Regia (80%, Hci, 20% Hno3)	D	D	D	-	D	D	C	D	C	C	B	B	D	D	-	D	D	D	D	D	B	A	A	D	B	D
Aresenic Acid	D	-	D	-	A	-	B	D	-	A	-	A	-	D	-	-	A	A	-	B	A	A	A	A	A	C
Aresenic Trichloride	D	-	D	-	D	-	B	D	-	D	-	A	-	D	-	-	A	B	-	A	-	A	-	B	-	-
Argon	-	-	-	-	-	-	-	-	-	A	-	A	-	A	-	-	A	A	-	D	-	A	-	A	-	A
Arochlor 1248	A	B	B	-	B	B	A	-	D	B	-	A	D	C	-	D	C	-	A	D	D	A	-	-	-	-
Aroclor	A	-	B	-	A	-	A	-	-	D	A	A	-	C	-	-	D	D	A	D	D	A	-	D	-	B
Aromatic Fuel 50%	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	D	-	A	-	C	-	D
Aromatic Hydrocarbons	A	A	A	-	A	C	-	A	D	D	A	A	D	C	-	D	D	D	A	D	D	A	-	C	-	D
Aromatic Solvents (Benzene Etc.)	A	-	B	-	A	-	B	-	-	D	B	-	-	-	-	-	C	-	-	D	-	A	-	-	-	-
Arsenic Acid	D	D	D	-	A	A	B	D	A	A	A	A	A	-	-	B	A	-	C	A	A	A	A	A	-	-
Arsenic Salts	-	-	-	-	-	-	-	-	-	-	-	A	-	B	-	-	-	-	A	-	-	-	-	-	-	-

CHEMICALS	METALS	PLASTICS, ELASTOMERS & LEATHER

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Arsenic Trichloride	D	-	D	-	D	D	B	-	-	D	D	D	D	-	-	-	C	-	-	A	-	A	-	B	A	-
Ascorbic Acid	A	-	D	-	A	-	-	-	-	-	A	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-
Askarel	-	-	-	-	A	-	-	-	-	D	C	A	B	D	-	-	B	C	-	D	-	A	-	D	-	D
Asphalt	A	A	A	-	B	A	-	B	D	D	-	A	B	B	-	D	B	B	A	D	B	A	A	B	-	B
Asphalt Emulsions	B	-	A	-	A	-	A	-	-	D	-	A	-	B	-	-	B	B	-	B	-	A	A	B	A	B
Asphalt Hydrocarbons	A	-	B	-	A	-	-	B	-	D	A	-	-	-	-	-	B	-	A	C	A	A	A	B	-	-
Asphalt Sealer	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
Asphalt Topping	A	-	A	-	A	-	A	D	-	D	C	A	-	B	-	-	C	B	-	B	D	A	D	B	A	B
ASTM — Ref #1 Oil (High Aniline)	A	-	A	-	A	-	A	A	-	D	A	A	A	A	-	-	A	C	-	B	-	A	-	C	A	B
ASTM — Ref #2 Oil (Medium Aniline)	A	-	A	-	A	-	A	A	-	D	A	A	A	A	-	-	A	-	-	B	-	A	-	C	A	D
ASTM — Ref #3 Oil (Low Aniline)	A	-	A	-	A	-	A	A	-	D	A	A	A	A	-	-	A	C	-	C	-	A	-	C	A	D
ASTM — Ref #4 Oil (High Aniline)	A	-	A	-	A	-	A	A	-	D	A	A	B	D	-	-	B	-	-	D	-	A	-	-	A	D
ASTM — Ref Motor Fuel A (Aliphatic)	A	-	A	-	A	-	A	-	-	D	A	A	A	A	-	-	A	B	-	B	-	A	-	B	-	D
ASTM — Ref Motor Fuel B (30%	A	-	A	-	A	-	A	-	-	D	A	A	A	A	-	-	D	B	-	D	-	A	-	C	-	D
ASTM — Ref Motor Fuel C (50%	A	-	A	-	A	-	A	-	-	D	A	A	B	A	-	-	B	C	-	D	-	A	-	C	-	D
Atlantic Dominion F	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	B	-	-	B	-	A	-	C	-	D
Aurex 903R (Mobile)	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	A	-	-	B	-	A	-	-	-	A
Automatic Transmission Fluid	A	-	A	-	A	-	A	A	-	D	-	A	-	A	-	-	A	-	-	B	-	A	-	D	-	B
Barbeque Sauce	-	-	D	-	A	-	-	-	-	-	-	-	A	-	-	-	A	-	-	A	-	A	-	-	-	-
Bardol B	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	D	D	-	-	-	A	-	D	-	-
Barium Carbonate	D	A	A	-	B	B	B	A	-	A	A	A	A	-	-	-	A	A	A	A	A	A	A	A	A	B
Barium Chloride	D	C	C	-	A	A	B	A	A	A	A	A	A	B	-	A	A	A	A	A	A	A	A	A	A	A
Barium Cyanide	C	C	C	-	A	A	A	B	A	A	A	A	D	-	-	-	C	D	A	C	D	A	-	A	-	-
Barium Hydroxide	D	D	D	-	B	B	B	D	A	A	A	A	A	B	-	A	A	A	A	A	B	A	A	A	A	A
Barium Nitrate	B	A	A	-	B	B	A	B	-	A	-	A	A	-	-	-	A	A	A	A	A	A	A	A	A	B
Barium Sulfate	B	B	B	-	B	B	A	B	A	A	A	A	A	D	-	A	A	A	A	A	B	A	A	A	A	A
Barium Sulfide	D	D	D	-	B	B	A	A	A	A	A	A	A	-	-	A	A	A	A	A	B	A	A	A	B	A
Bayol 35	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	A	-	A	-	D	-	-
Bayol D	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	A	-	A	-	D	-	-
Beef Extract	-	-	D	-	A	-	-	-	-	-	A	A	-	-	-	-	A	A	-	A	-	A	-	A	-	-
Beer	A	D	D	-	A	A	A	A	A	A	A	A	A	A	-	A	A	-	A	A	A	A	A	A	A	-
Beet Sugar Liquids	A	A	A	-	A	A	-	B	A	A	A	A	A	-	-	A	A	-	A	A	A	A	A	A	-	-
Benzaldehyde	B	A	A	-	B	B	A	A	D	A	D	D	D	B	-	D	D	D	A	D	D	A	A	D	C	D
Benzene	B	A	A	-	B	B	B	A	D	D	B	A	D	C	-	D	D	C	A	D	D	A	A	C	D	D
Benzene Sulfonic Acid	D	-	D	-	B	B	B	C	-	D	A	A	D	B	-	A	D	D	D	A	D	A	B	A	A	D
Benzoic Acid	B	D	D	-	B	B	B	B	D	D	A	A	A	D	-	D	D	D	D	B	B	A	A	A	A	D
Benzol	B	A	A	-	A	A	B	A	D	D	-	A	-	C	-	D	D	D	D	D	B	A	A	C	D	D
Benzonitrile	-	-	-	-	D	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-

CHEMICALS	METALS							PLASTICS, ELASTOMERS & LEATHER																		
A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Benzoyl Chloride	D	-	A	-	B	-	B	-	-	D	B	-	-	-	-	-	D	-	-	D	-	A	A	-	-	-
Benzyl	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Acetate	A	-	A	-	A	-	B	-	-	-	D	D	D	D	-	-	D	-	-	-	-	A	-	-	C	-
Benzyl Alchol (Phenylcarbinol)	B	-	-	-	A	-	A	-	-	-	A	-	-	-	-	-	D	-	-	B	A	A	A	A	A	-
Benzyl Alcohol	A	-	A	-	A	-	B	-	-	C	A	A	-	C	-	-	D	D	D	C	A	A	A	D	A	D
Benzyl Benzoate	A	-	B	-	B	B	B	-	-	B	A	A	D	D	-	-	D	-	-	D	-	A	-	C	-	D
Benzyl Chloride	D	-	D	-	C	B	C	A	D	D	A	A	D	D	-	D	D	D	A	D	C	A	C	C	A	D
Benzyl Dichloride (Benzal Chloride)	D	-	B	-	A	-	B	-	-	-	-	-	D	-	-	-	D	-	-	-	-	A	-	-	-	-
Bichloride of Mercury	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	B	-	A	-	A	-	B	-	A
Biphenyl (Diphenyl)	A	-	A	-	-	-	-	-	-	D	A	A	D	-	-	-	D	D	-	D	-	A	-	D	-	D
Bismuth Subcarbonate	-	-	-	-	B	-	-	-	-	A	A	-	A	D	-	-	A	-	-	D	-	A	-	D	A	D
Black Point 77	-	-	-	-	B	-	-	-	-	A	-	A	-	-	-	-	A	-	-	C	-	A	-	-	-	C
Black Sulfate Liquor	C	-	B	-	A	-	B	-	-	B	A	B	B	B	-	-	B	-	-	B	-	A	A	-	A	D
Blast Furnace Gas	-	-	-	-	-	-	-	D	-	D	A	A	-	B	-	-	D	-	-	D	-	A	-	A	A	D
Bleach Solutions	D	-	D	-	B	-	B	D	-	A	B	B	D	C	-	-	D	D	-	D	D	A	A	B	B	D
Blood (Meat Juices - Cold)	A	-	D	-	A	-	-	-	-	A	-	C	-	D	-	-	C	D	-	A	A	A	-	B	A	D
Borax (Sodium Borate)	B	A	A	-	A	A	B	B	A	A	A	A	B	A	-	A	B	A	A	A	B	A	A	A	A	A
Bordeaux Mixtures	D	-	C	-	A	A	A	-	-	A	B	A	-	B	-	-	A	B	-	A	-	A	-	A	A	D
Boric Acid	D	D	D	-	B	A	A	A	A	A	A	A	A	A	-	A	A	A	B	D	A	A	A	A	A	A
Boron Fluids (HEF)	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	B	C	-	D	-	A	-	D	-	A
Brake Fluid (Non-Petroleum Base)	A	-	A	-	A	-	A	-	-	A	-	D	D	D	-	-	D	D	B	B	D	A	-	A	A	A
Brewery Slop	-	A	A	-	A	A	-	B	-	A	A	A	A	D	-	-	A	-	-	A	-	A	-	A	-	A
Brine (Calcium Chloride)	C	-	D	-	A	-	A	A	-	A	A	A	-	B	-	-	A	A	-	B	A	A	A	A	A	B
Bromine	D	-	D	-	D	D	A	D	D	D	A	A	D	D	-	D	D	D	D	D	D	A	A	C	D	D
Bromine Trifluoride	D	-	D	-	B	-	-	D	-	D	D	D	D	D	-	-	D	D	-	D	D	A	-	C	-	D
Bromine Water	D	-	D	-	D	-	A	D	-	D	B	B	D	D	-	-	D	D	-	D	D	A	A	B	D	D
Bromine-Anhydrous	D	-	D	-	D	D	A	D	-	D	-	A	-	D	-	-	D	D	D	D	D	A	A	C	D	D
Bromine-Pentafluoride	-	-	-	-	-	-	-	-	-	D	-	D	-	-	-	-	D	D	-	D	-	A	-	D	-	D
Bromine-Trifluoride	D	-	D	-	-	B	-	-	-	-	-	D	-	-	-	-	D	-	-	D	D	A	-	-	-	-
Bromine-Water	D	-	D	-	-	B	-	-	-	-	-	A	-	-	-	-	-	-	-	B	D	A	A	-	-	-
Bromobenzene	D	-	B	-	B	B	B	D	-	D	B	B	D	D	-	-	D	D	-	D	D	A	A	D	D	D
Bromochloro Trifluoromethane	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	-	-	D	-	A	-	D	-	D
Bromochloromethane	D	-	B	-	B	-	B	-	-	B	C	C	D	-	-	-	D	-	-	D	-	A	-	-	-	D
Bromotoluene	D	-	A	-	A	-	A	-	-	-	B	B	D	-	-	-	D	-	-	-	-	A	-	-	-	-
Bronzing Liquid	-	-	-	-	A	-	A	-	-	B	D	D	D	-	-	-	D	-	-	D	-	A	-	A	-	D
Bunker Oil (Fuel) #5,#6 & C	A	-	A	-	A	A	A	-	-	D	A	A	A	D	-	-	A	B	-	D	-	A	-	B	A	D
Butadiene	A	-	A	-	A	A	C	A	B	C	C	B	D	D	-	D	D	D	C	B	C	A	A	D	D	D
Butane	A	-	A	-	A	A	A	A	B	D	A	A	A	A	-	D	A	A	A	A	A	A	A	D	D	D

CHEMICALS	METALS	PLASTICS, ELASTOMERS & LEATHER

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Butanol (Butyl Alcohol)	B	-	B	-	A	A	B	A	A	A	-	A	-	B	-	A	A	B	B	A	A	A	A	B	A	D
Butraldehyde	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	D	-	-	C	D	A	B	-	-	-
Butter	A	D	D	-	C	A	-	A	B	A	A	A	A	B	-	D	A	A	-	B	A	A	A	B	A	A
Buttermilk	A	D	D	-	A	A	A	A	-	A	A	A	A	-	-	D	A	A	B	D	A	A	A	A	A	A
Butyl	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl Acetate	A	A	A	-	B	A	A	A	D	B	D	D	D	B	-	D	D	B	A	D	B	A	B	B	B	D
Butyl Acetyl Ricinoleate	A	-	A	-	A	A	A	-	-	C	B	A	D	-	-	-	C	D	-	D	-	A	-	B	-	D
Butyl Acrylate	-	-	-	-	-	-	-	A	-	D	D	D	D	D	-	-	D	D	-	D	D	A	C	C	A	-
Butyl Alchol (Butanol)	B	-	-	-	A	-	A	A	-	-	A	-	-	-	-	-	A	-	B	A	B	A	A	A	A	-
Butyl Alcohol	A	-	B	-	A	-	A	-	-	B	A	A	-	B	-	-	A	A	-	A	A	A	A	A	A	D
Butyl Amine	A	-	A	-	A	A	B	C	-	D	D	D	D	D	-	D	B	B	A	D	B	A	A	A	-	D
Butyl Benzoate	B	-	B	-	B	B	B	A	-	B	A	A	-	-	-	-	D	-	-	D	-	A	-	C	-	D
Butyl Bromide	-	-	-	-	-	-	-	-	-	-	B	-	-	-	-	-	D	-	-	-	-	A	A	-	-	-
Butyl Butyrate	A	-	A	-	A	-	A	-	-	A	D	-	D	D	-	-	D	-	-	D	-	A	-	C	-	-
Butyl Carbitol	-	-	-	-	-	-	-	A	-	A	A	C	A	-	-	-	D	D	-	C	-	A	-	B	-	D
Butyl Cellosolve	-	-	-	-	-	-	-	A	-	A	C	D	-	-	-	-	C	D	-	C	-	A	B	A	-	D
Butyl Chloride	D	-	B	-	B	-	B	-	-	-	A	A	-	-	-	-	D	D	A	C	D	A	A	D	-	-
Butyl Ether	A	-	B	-	B	A	B	D	-	D	C	D	A	-	-	D	B	-	A	D	D	A	A	C	A	-
Butyl Oleate	-	-	-	-	-	-	-	A	-	C	A	A	-	-	-	-	D	D	-	D	-	A	-	C	-	-
Butyl Phthalate	B	-	-	-	B	B	B	-	D	B	-	C	D	-	-	D	D	-	A	D	B	A	B	-	-	-
Butyl Stearate	B	-	B	-	B	B	B	A	-	D	B	A	A	-	-	-	B	C	-	D	-	A	A	C	A	B
Butylene	A	-	-	-	A	A	-	A	D	D	B	A	A	B	-	D	A	C	B	D	D	A	A	D	-	C
Butyraldehyde	A	-	A	-	A	-	A	A	-	C	D	D	D	D	-	-	D	D	-	D	D	A	B	C	C	D
Butyric Acid	B	D	D	-	B	B	A	A	D	B	C	B	D	B	-	D	D	D	C	D	B	A	A	A	B	D
Butyric Acid, Aqeous	B	-	-	-	-	A	A	-	-	-	-	D	-	-	-	-	D	-	B	D	A	A	A	-	-	-
Butyric Anhydride	A	-	A	-	A	-	A	-	-	-	-	-	D	-	-	-	C	-	-	-	-	A	-	A	D	-
Butyronitrile	-	-	-	-	-	-	-	-	-	A	-	C	D	D	-	-	D	-	-	D	-	A	-	-	-	-
Cadmium Sulfate (25% Concentration)	-	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	C	-	-	-	-	A	-	-	-	D
Calcium Acetate (Hydrate)	C	-	C	-	B	-	B	-	-	A	D	D	B	D	-	-	B	-	-	C	-	A	-	-	-	D
Calcium Acid Sulphate	-	-	-	-	-	-	-	-	-	B	-	D	-	-	-	-	C	-	-	C	-	A	-	-	-	-
Calcium Bisulfate	-	D	D	-	-	A	-	-	-	A	-	A	A	-	-	A	A	A	-	A	-	A	-	-	-	A
Calcium Bisulfide	C	-	D	-	B	B	A	D	-	C	-	A	A	B	-	D	A	A	A	A	A	A	A	D	-	A
Calcium Bisulfite	D	-	D	-	B	A	B	D	A	D	A	A	A	B	-	D	A	A	A	A	A	A	A	D	A	A
Calcium Carbonate (Chalk)	D	-	B	-	A	B	B	A	A	A	A	A	A	-	-	A	A	A	A	A	A	A	A	A	A	D
Calcium Chlorate	B	-	B	-	B	-	B	A	B	A	A	A	A	-	-	A	A	A	-	A	A	A	A	A	A	B
Calcium Chloride	D	C	C	-	C	B	A	D	A	A	A	A	A	A	-	A	A	A	A	A	A	A	A	A	A	A
Calcium Hydrosulfide (Calcium	-	-	-	-	-	-	-	-	-	A	A	A	-	-	-	-	A	-	-	A	-	A	-	A	A	-
Calcium Hydroxide	C	A	A	-	B	B	A	D	A	A	A	A	A	B	-	A	A	-	A	A	A	A	A	A	-	-

CHEMICALS	METALS							PLASTICS, ELASTOMERS & LEATHER																		
A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Calcium Hydroxide 10%	C	-	A	-	A	-	A	A	-	A	-	A	-	B	-	-	A	A	-	A	A	A	A	D	A	
Calcium Hypochlorite	D	D	D	-	C	B	B	D	A	B	-	A	-	C	-	D	C	C	D	D	A	A	A	A	A	D
Calcium Hypochlorite 20% (Calcium Oxichloride)	D	-	D	-	B	-	B	A	-	B	B	-	D	-	-	-	C	-	A	D	A	A	A	A	A	-
Calcium Nitrate	B	B	B	-	C	B	B	D	A	A	A	A	A	-	-	A	A	C	A	A	A	A	A	A	A	D
Calcium Oxide	C	-	A	-	A	A	A	A	A	A	-	B	A	A	-	B	A	A	B	A	A	A	A	A	A	B
Calcium Silicate	A	-	B	-	A	-	A	-	-	A	A	A	A	-	-	-	A	-	-	A	-	A	-	-	-	-
Calcium Sulfate	C	A	A	-	B	B	B	D	A	A	A	A	A	-	-	B	A	A	D	B	A	A	A	A	A	B
Calcium Sulfide	A	-	B	-	B	B	A	-	-	A	A	A	A	-	-	-	A	A	-	B	A	A	A	A	-	A
Calcium Sulfite	B	-	B	-	A	-	-	-	-	A	A	A	A	-	-	-	A	B	-	A	-	A	-	A	-	A
Calcium Thiosulfate	-	-	-	-	-	-	-	-	-	A	-	A	-	D	-	-	B	C	-	A	-	A	-	A	-	A
Calgon	-	D	D	-	A	A	-	A	A	A	A	A	A	D	-	A	A	A	A	A	A	A	-	A	-	D
Cane Juice	B	A	A	-	A	A	-	A	A	A	-	A	A	-	-	A	A	B	A	A	C	A	A	A	-	D
Cane Sugar Liquors	A	-	B	-	A	A	-	-	-	A	A	A	A	B	-	-	A	A	-	A	A	A	A	A	-	D
Capryl Alcohol (Octanol)	A	-	A	-	A	-	A	-	-	C	B	B	-	-	-	-	A	B	-	D	-	A	-	A	-	D
Caprylic Acid (Octanoic Acid)	A	-	-	-	A	-	A	-	-	A	-	A	D	-	-	-	C	C	-	-	-	A	A	A	-	-
Caprylic Aldehyde	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	D	-	-	-	-	A	-	-	-	-
Carbamate	-	-	-	-	-	-	-	-	-	C	A	A	D	-	-	-	C	D	-	C	-	A	-	A	-	D
Carbitol	B	-	B	-	B	B	A	-	-	C	C	A	B	-	-	-	B	C	-	C	C	A	A	B	-	D
Carbolic Acid (Phenol)	A	D	D	-	B	B	A	D	D	B	A	A	D	D	-	D	D	D	D	D	B	A	A	A	A	C
Carbon Bisulfide	B	-	B	-	A	B	B	A	D	D	-	A	D	C	-	D	C	D	A	D	D	A	A	D	D	C
Carbon Dioxide	A	-	D	-	A	A	A	A	-	B	A	B	-	C	-	-	A	B	B	B	A	A	A	A	C	C
Carbon Dioxide (dry)	B	D	D	-	A	A	A	A	B	B	-	B	-	A	-	B	A	-	A	B	A	A	A	-	-	-
Carbon Dioxide (wet)	A	D	D	-	A	A	A	A	B	B	-	B	A	-	-	B	A	-	A	B	A	A	A	-	-	-
Carbon Disulfide	A	A	A	-	A	B	B	A	D	D	A	A	D	C	-	D	D	D	B	D	D	A	B	D	D	C
Carbon Monoxide	A	A	A	-	A	A	B	A	C	A	C	A	A	A	-	D	A	A	A	B	A	A	B	A	A	A
Carbon Tetrachloride	D	D	D	-	B	B	A	B	D	D	A	A	D	D	-	D	D	D	D	D	D	A	A	D	D	A
Carbon Tetrachloride (dry)	D	-	-	-	B	B	B	-	D	B	-	A	-	D	-	D	C	-	-	D	D	A	A	-	-	-
Carbon Tetrachloride (wet)	D	C	C	-	A	A	B	A	D	D	-	-	-	-	-	D	D	-	-	D	D	A	A	-	-	-
Carbonated Beverages	C	-	D	-	A	-	A	-	-	A	-	A	-	-	-	-	A	A	-	A	A	A	A	A	-	B
Carbonated Water	A	D	D	-	A	A	-	A	-	-	-	A	A	-	-	-	A	-	A	A	B	-	A	-	-	-
Carbonic Acid	B	D	D	-	A	A	A	B	C	B	A	A	B	D	-	C	D	B	A	D	A	A	A	A	B	C
Casein	B	-	-	-	B	-	B	-	-	A	A	A	A	-	-	-	A	-	-	A	-	A	-	A	-	-
Casing Head Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Catsup (Ketchup)	D	D	D	-	A	A	A	B	-	A	A	A	A	-	-	-	A	A	A	A	A	A	-	A	A	D
Cellosolve	B	-	B	-	B	B	A	A	-	C	B	D	D	D	-	-	D	D	A	D	A	A	A	C	-	D
Cellosolve, Acetate	B	-	B	-	A	-	A	A	-	B	-	D	-	D	-	-	D	D	-	D	A	A	A	A	C	D
Cellosolve, Butyl	-	-	-	-	-	-	-	A	-	B	-	D	-	D	-	-	D	D	-	D	-	A	B	C	-	D

CHEMICALS	METALS	PLASTICS, ELASTOMERS & LEATHER

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Celluguard	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	B	-	A	-	A	-	B	-	D
Cellulose Acetate	B	-	B	-	A	-	A	-	-	-	C	-	B	-	-	-	B	-	-	B	-	A	-	-	-	-
Cellulube® Hydraulic Fluids	A	-	A	-	A	-	A	-	-	A	B	A	D	-	-	-	D	-	-	D	-	A	-	D	-	-
Cellutherm 2505A	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	B	C	-	D	-	A	-	D	-	D
Cetane (Hexadecane)	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	A	B	-	B	-	A	-	D	-	D
Chloracetaldehyde	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	D	-	-	D	-	A	-	-	-	D
Chlorate of Lime	-	-	-	-	-	-	-	-	-	A	-	A	-	D	-	-	C	D	-	D	-	A	-	D	A	D
Chlorbenzol (Conc. Pure)	-	-	-	-	-	-	-	-	-	D	-	D	-	-	-	-	D	D	-	D	-	A	-	D	-	-
Chlorextol	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	-	-	B	-	A	-	-	-	D
Chloric Acid	D	D	D	-	D	C	A	D	-	-	-	-	-	-	-	-	-	-	D	-	-	A	-	-	-	-
Chlorinated Glue	D	D	D	-	-	A	-	D	-	B	-	A	B	-	-	-	B	-	-	D	-	-	-	-	-	-
Chlorinated Lime - 35% Bleach	D	-	D	-	A	-	A	D	-	A	A	A	D	C	-	-	C	C	-	D	B	A	A	D	A	D
Chlorinated Water	D	-	-	-	C	C	A	D	C	C	A	A	D	D	-	C	D	D	C	D	D	A	B	D	A	D
Chlorine (dry)	C	D	D	-	A	B	A	D	D	A	A	A	-	D	-	D	B	D	D	C	D	A	A	C	B	D
Chlorine (Wet)	D	-	C	-	B	D	A	D	-	D	A	A	D	D	-	-	D	D	D	D	D	A	A	C	B	D
Chlorine Dioxide	D	-	D	-	D	D	B	-	-	C	B	B	D	D	-	-	D	D	-	D	D	A	A	D	-	D
Chlorine Trifluoride	D	-	D	-	A	A	-	-	-	D	B	D	D	-	-	-	D	D	D	D	D	A	-	D	D	D
Chlorine, Anhydrous Liquid	D	D	D	-	C	C	D	A	C	B	A	A	D	D	-	C	D	D	D	D	D	A	A	D	D	D
Chloroacetic Acid	D	D	D	-	B	A	A	D	-	B	C	D	D	D	-	D	D	C	D	D	C	A	A	D	-	D
Chloroacetone	D	-	B	-	B	B	B	B	-	D	C	B	D	D	-	-	D	D	-	C	D	A	-	C	-	D
Chlorobenzene	A	B	B	-	A	B	A	D	D	D	A	A	D	D	-	D	D	C	D	D	C	B	A	C	B	D
Chlorobromomethane	D	B	B	-	B	B	-	B	D	B	A	A	D	D	-	D	D	D	C	D	A	A	-	D	D	D
Chlorobutadiene	D	-	B	-	B	A	B	-	-	D	A	A	D	D	-	-	D	D	-	D	D	A	-	C	-	D
Chlorodane	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	D	D	-	D	-	A	-	C	-	D
Chlorododecane	D	-	D	-	-	-	-	-	-	D	-	A	-	D	-	-	D	D	-	D	D	A	-	D	-	D
Chloroform	B	B	B	-	A	A	A	A	D	D	A	A	D	D	-	D	D	C	A	D	C	A	A	D	C	D
Chlorol 1 Nitro Ethane	D	-	-	-	-	-	-	-	-	D	-	D	-	D	-	-	D	D	-	D	D	A	-	C	-	D
Chloronaphthalene	D	-	B	-	B	B	B	-	-	D	C	A	D	D	-	-	D	D	-	D	D	A	A	D	C	D
Chlorophenol	C	-	C	-	A	-	A	B	-	D	-	B	D	-	-	-	D	C	-	D	-	A	A	C	-	D
Chlorosulfonic Acid	C	D	D	-	D	B	A	D	D	D	D	D	D	D	-	D	D	-	D	D	D	A	D	A	-	-
Chlorosulfonic Acid (Dry)	D	-	D	-	D	-	B	D	-	C	-	C	-	C	-	-	D	C	-	D	C	A	C	C	D	D
Chlorosulfonic Acid (Wet)	D	-	D	-	D	-	B	D	-	D	-	D	-	D	-	-	D	D	-	D	C	A	C	D	D	D
Chlorothene® (Chlorinated Solvents)	D	-	D	-	A	-	A	-	-	-	C	-	D	-	-	-	D	-	-	D	-	A	-	-	-	-
Chlorotoluene	D	-	B	-	B	B	A	A	-	D	-	A	-	D	-	-	D	D	-	D	D	A	-	C	-	D
Chlorotrifluoroethylene	B	-	B	-	B	-	B	-	-	-	-	-	-	-	-	-	D	-	-	-	-	A	-	-	-	-
Chlorox® (Bleach)	A	D	D	-	A	A	A	D	B	B	A	A	D	-	-	D	D	-	A	B	D	A	A	B	-	-
Chocolate Syrup	A	D	D	-	A	A	-	A	-	A	-	A	A	-	-	D	A	-	A	A	A	A	-	A	-	-
Chromic Acid	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-

CHEMICALS	METALS							PLASTICS, ELASTOMERS & LEATHER																		
A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Chromic Acid - 25%-50%	D	-	B	-	D	-	B	D	-	C	A	-	-	-	-	-	D	-	D	D	A	A	A	D	A	-
Chromic Acid - 5%	C	D	D	-	B	A	B	D	B	A	-	A	-	D	-	B	D	D	D	D	D	A	A	A	A	D
Chromic Acid - 50%	D	D	D	-	C	B	B	D	C	B	-	A	-	D	-	D	D	D	D	D	D	A	A	A	A	D
Chromic Acid - Over 50%	D	-	B	-	D	-	B	D	-	C	A	-	-	-	-	-	D	-	D	D	D	A	A	D	A	-
Chromic Acid - To 10%	B	-	B	-	D	-	B	D	-	A	A	-	-	-	-	-	D	-	D	D	D	A	A	D	A	-
Chromic Acid 10%	D	D	D	-	B	B	A	D	C	C	-	B	-	D	-	D	D	-	D	D	D	A	A	-	-	-
Chromic Acid 30%	D	D	D	-	B	B	D	D	C	B	-	A	-	D	-	D	D	-	D	D	D	A	A	-	-	-
Chromic Acid over 25%	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium Salts	-	-	-	-	-	-	-	-	-	-	-	-	-	B	-	-	-	-	B	-	-	-	-	-	-	-
Cider (Apple Juice)	B	D	D	-	A	A	A	A	-	A	A	A	A	B	-	-	A	B	A	A	A	A	-	A	A	D
Citric Acid	C	D	D	-	B	A	A	B	C	A	A	A	A	A	-	A	A	-	A	A	A	A	A	A	A	-
Citric Acid - 5% Solution	C	-	D	-	A	-	A	C	-	A	-	A	-	B	-	-	A	A	-	A	A	A	A	A	A	A
Citrus Pectin Liquor	-	-	-	-	A	-	-	-	-	-	A	C	-	B	-	-	A	B	-	A	-	A	-	-	D	C
Cloracetic Acid	D	-	D	-	-	C	A	-	-	-	-	D	-	-	-	-	D	-	D	D	B	A	A	-	-	-
Coal Gas	-	-	-	-	-	-	-	-	-	A	-	A	-	B	-	-	D	-	-	A	-	A	-	-	-	B
Coal Tars	-	-	-	-	-	-	A	D	-	D	-	A	-	D	-	-	C	D	-	C	C	A	-	D	-	D
Cobalt Chloride	D	-	D	-	-	-	-	-	-	C	A	A	A	-	-	-	A	A	-	A	A	A	-	A	-	D
Coca Cola Syrup	-	-	-	-	-	-	-	-	-	A	-	B	-	-	-	-	A	B	-	B	-	A	-	A	-	B
Coconut Oil (Coconut Butter)	A	A	A	-	A	A	A	A	C	D	A	A	A	-	-	D	A	B	-	C	A	A	B	A	C	
Cod Liver Oil	A	-	D	-	A	A	A	B	B	A	A	A	A	-	-	D	A	-	-	B	A	A	A	C	A	A
Coffee	A	-	-	-	A	A	A	A	A	A	-	A	A	-	-	A	A	A	A	A	A	A	-	A	A	D
Coke Oven Gas	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	C	D	-	C	-	A	A	B	A	D
Coliche Liquors	-	-	-	-	-	-	-	-	-	B	-	-	-	-	-	-	B	B	-	A	-	A	-	B	-	-
Convelex 10	-	-	-	-	-	-	-	-	-	-	-	A	-	D	-	-	D	D	-	D	-	A	-	D	-	D
Coolanol (Monsanto)	D	-	D	-	C	-	B	A	-	D	-	A	-	-	-	-	A	B	-	B	-	-	A	D	-	D
Copper Acetate	D	-	D	-	C	C	B	A	-	A	-	D	B	D	-	-	B	-	-	C	-	A	A	A	-	D
Copper Chloride	D	-	D	-	D	D	B	A	C	A	A	A	A	A	-	C	A	-	D	A	A	A	A	A	A	-
Copper Chloride - 1%	D	-	D	-	D	-	B	A	-	A	-	A	-	A	-	-	A	A	-	A	A	A	A	A	A	D
Copper Cyanide	D	A	A	-	B	B	A	A	C	A	A	A	A	A	-	A	A	A	D	A	A	A	A	A	A	A
Copper Fluoborate	D	D	D	-	D	D	B	B	-	-	-	A	B	A	-	-	B	-	-	A	-	A	-	A	-	A
Copper Fluoroborate	A	-	D	-	D	-	D	-	-	B	-	-	-	-	-	-	A	-	-	-	B	-	-	-	-	-
Copper Nitrate	D	D	D	-	A	A	B	A	-	A	-	A	A	A	-	C	A	B	D	A	A	A	A	A	A	B
Copper Nitrate Hexahydrate	D	-	D	-	A	-	B	A	-	A	A	-	A	-	-	-	A	-	D	A	A	A	A	-	-	-
Copper Sulfate	D	-	D	-	A	-	A	A	-	A	A	-	A	-	-	-	A	-	B	A	A	A	A	A	A	-
Copper Sulfate - 5% Solution	D	D	D	-	B	B	A	D	C	A	-	A	-	A	-	C	A	A	D	A	A	A	A	A	A	A
Copper Sulfate > 5%	D	D	D	-	B	B	A	D	C	A	-	A	-	A	-	C	A	-	D	A	A	A	A	-	-	-
Copper Sulfide	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	A	-	-	-	-	A	-	-	-	-
Corn Oil	A	A	A	-	A	A	A	A	B	C	A	B	A	A	-	D	D	B	A	A	A	A	A	D	A	A

CHEMICALS	METALS	PLASTICS, ELASTOMERS & LEATHER

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Cream	A	D	D	-	A	A	A	A	-	A	-	A	A	-	-	-	A	-	A	D	A	A	-	A	-	-
Creosols	B	-	C	-	A	-	B	B	-	D	-	A	-	-	-	-	D	D	-	D	D	A	A	C	D	D
Creosote, Coal-Tar	B	-	B	-	B	-	B	D	-	D	A	A	A	D	-	-	B	D	D	D	D	A	-	D	D	D
Creosote, Wood-Tar	-	-	-	-	B	-	-	D	-	D	A	A	A	D	-	-	A	D	D	C	D	A	-	D	D	C
Cresols	A	C	C	-	A	A	B	D	D	D	-	A	-	D	-	D	D	-	D	D	D	A	A	-	-	-
Cresylic Acid	B	A	A	-	A	A	B	D	D	D	A	A	D	D	-	D	D	D	D	D	A	A	B	B	D	D
Crotonaldehyde	A	-	A	-	A	-	A	-	-	A	A	D	D	-	-	-	D	D	-	D	-	A	-	B	-	D
Crude Oil	A	-	A	-	A	-	B	D	-	D	-	A	A	B	-	-	B	C	-	B	B	A	A	C	A	D
Cumeme (Isopropylbenzene)	B	-	B	-	B	-	B	-	-	D	A	A	D	-	-	-	D	D	-	D	-	A	-	D	A	D
Cupric Acid	D	-	-	-	D	B	A	-	-	A	-	A	B	-	-	B	B	-	D	A	A	A	-	-	-	-
Cuprous Potassium Cyanide	-	-	-	-	-	-	-	C	-	B	A	A	-	-	-	-	A	-	-	A	A	A	A	A	-	-
Cutting Oil (Sulfur Base)	A	-	A	-	A	-	A	-	-	D	-	A	-	-	-	-	A	B	-	C	-	A	-	D	A	A
Cutting Oil (Water Soluble)	A	-	A	-	A	-	A	-	-	D	A	A	-	-	-	-	C	C	-	D	-	A	-	D	A	A
Cyanic Acid	-	D	D	-	A	A	-	D	-	A	-	A	D	-	-	-	C	D	-	C	-	A	-	B	-	D
Cyclohexane	A	B	B	-	A	A	B	A	D	D	A	A	A	A	-	D	B	A	A	D	D	A	A	C	A	B
Cyclohexanol	C	-	B	-	B	B	A	A	-	D	A	A	B	-	-	-	B	C	B	A	B	A	A	D	A	B
Cyclohexanone	A	B	B	-	A	A	A	A	-	B	D	D	D	D	-	D	D	D	A	D	D	A	D	D	B	D
Cyclopentane	B	-	B	-	B	-	B	-	-	D	A	-	-	-	-	-	B	-	-	A	-	A	-	-	-	-
Cymene (Isopropyltoluene)	-	-	-	-	-	-	-	-	-	D	A	-	-	-	-	-	C	-	-	D	-	A	-	-	-	-
Decahydronaphthalene (Decalin®)	-	-	-	-	-	-	-	-	-	D	A	-	D	-	-	-	D	-	-	D	-	A	-	-	-	-
Decalin	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	B	A	A	C	C	D
Decanal	-	-	-	-	-	-	-	-	-	D	D	D	-	-	-	-	D	-	-	D	-	A	-	D	-	-
Decane	-	-	-	-	-	-	-	-	-	D	A	A	A	-	-	-	B	A	-	D	A	A	A	C	-	B
Decyl Alcohol (Decanol)	-	-	-	-	-	-	-	-	-	-	B	B	-	-	-	-	B	-	-	D	-	A	-	-	-	D
Degreasing Fluid (Chlorinated)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	-	A	-	D	-	A
De-Ionized Water	A	-	C	-	A	-	A	-	-	A	-	A	-	A	-	-	A	A	-	A	A	A	A	A	A	-
Denatured Alcohol	B	-	B	-	A	A	A	A	-	A	B	B	-	-	-	-	A	A	-	B	A	A	A	B	-	D
Detergent Solutions	B	-	A	-	A	A	B	A	B	A	A	A	A	B	-	B	A	B	A	B	A	A	A	B	A	A
Developing Fluids (Photo)	-	-	D	-	A	B	A	A	-	C	A	A	-	D	-	-	A	-	-	A	-	A	-	A	A	D
Dextron	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	C	-	B	-	A	-	D	-	B
Dextrose	A	-	D	-	A	-	A	-	-	A	A	A	B	B	-	-	B	A	-	B	A	A	A	A	A	A
Diacetone	A	-	A	-	A	A	A	A	-	B	D	D	D	-	-	-	D	-	A	D	D	A	A	C	-	-
Diacetone Alcohol	A	-	A	-	B	B	A	A	A	A	D	D	-	C	-	-	D	D	A	D	A	A	D	B	-	D
Diamylamine	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	B	-	-	D	-	A	-	B	-	D
Diazinon	-	-	-	-	-	-	-	-	-	D	-	B	-	D	-	-	C	D	-	C	-	A	-	D	-	D
Dibenzyl Ether	B	-	B	-	B	B	B	-	-	C	C	C	D	-	-	-	D	-	-	D	-	A	C	C	-	B
Dibenzyl Sebecate	-	-	-	-	-	-	-	-	-	C	B	B	D	-	-	-	D	D	-	D	-	A	-	C	-	B
Dibromoethyl Benzene	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	-	A	-	C	-	D

CHEMICALS	METALS							PLASTICS, ELASTOMERS & LEATHER																		
A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Dibutyl Amine	-	-	A	-	A	-	A	-	-	D	D	B	D	-	-	-	C	D	-	D	D	A	B	C	-	D
Dibutyl Ether	B	-	B	-	-	B	-	-	-	C	-	C	-	-	-	-	D	D	-	D	D	A	A	B	-	D
Dibutyl Mercaptan	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	D	-	-	D	-	A	-	B	-	-
Dibutyl Phthalate	A	-	A	-	A	A	A	-	-	A	B	B	D	A	-	-	D	B	A	D	D	A	D	B	A	C
Dibutyl Sebecate	-	-	A	-	A	A	-	-	-	C	C	B	D	A	-	-	D	D	-	D	C	A	D	B	-	D
Dichlorethane	-	-	D	-	A	-	B	A	-	D	-	B	-	D	-	-	D	D	-	D	A	A	A	D	C	D
Dichloro Isopropyl Ether	D	-	-	-	-	-	-	-	-	D	D	C	D	D	-	-	D	D	-	D	D	A	-	D	-	B
Dichloroacetic Acid	-	-	-	-	-	-	-	-	-	C	D	D	-	-	-	-	D	-	-	D	-	A	-	B	-	-
Dichlorobenzene	B	-	-	-	-	B	A	-	D	D	-	C	D	-	-	D	D	-	D	D	C	A	A	-	-	-
Dichlorobutane	D	-	B	-	B	-	-	-	-	D	A	A	D	-	-	-	D	-	-	D	-	A	-	-	-	D
Dichloroethane	B	-	-	-	B	B	A	A	C	-	-	C	D	-	-	D	D	-	A	D	D	A	A	-	-	-
Dichloroethyl Ether	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	A	-	-	-	-
Dichloro-Isopropyl Ether	D	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	D	-	-	D	D	A	-	-	-	-
Dichloropenthane	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	-	A	-	D	-	D
Dicyclohexylamine	-	-	-	-	-	-	-	-	-	D	B	D	-	-	-	-	D	D	-	D	-	A	-	B	-	D
Diemethyl Formamide	A	-	A	-	A	-	A	C	-	B	-	D	-	B	-	-	C	C	-	D	A	A	D	A	A	D
Diemethyl Phthalate	A	-	A	-	A	-	A	-	-	B	-	A	-	A	-	-	D	D	-	D	A	A	A	A	-	D
Diesel Oil (Fuel ASTM #2)	A	A	A	-	A	A	B	A	B	D	A	A	A	B	-	D	A	B	A	B	A	A	A	D	A	B
Di-Ester Lubricant Mil-L-7808	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	C	-	D	-	A	-	D	-	D
Di-Ester Synthetic Lubricants	A	-	A	-	A	-	A	-	-	D	A	A	-	D	-	-	D	D	-	D	-	A	-	D	-	D
Diethanol Amine	A	-	A	-	A	-	A	-	-	A	-	D	B	D	-	-	D	D	A	D	A	A	-	-	-	D
Diethyl Amine	B	-	D	-	B	-	A	-	-	C	D	D	-	-	-	-	C	D	A	C	A	A	A	C	-	C
Diethyl Aniline	-	-	-	-	-	-	-	-	-	B	-	C	-	-	-	-	D	D	-	D	A	A	A	B	-	D
Diethyl Benzene	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	D	D	-	D	-	A	-	C	D	D
Diethyl Carbonate	-	-	A	-	-	-	-	-	-	D	-	A	D	-	-	-	D	D	-	D	-	A	-	D	-	D
Diethyl Ether	B	-	B	-	B	B	B	A	D	D	D	D	B	C	-	D	D	D	A	D	A	A	A	B	D	A
Diethyl Phthalate (DEP)	A	-	A	-	A	-	A	-	-	-	C	C	D	A	-	-	D	B	-	-	-	A	-	A	-	-
Diethyl Sebecate	A	-	A	-	A	A	A	-	-	C	B	A	D	A	-	-	D	B	-	D	A	A	A	B	-	D
Diethyl Sulfate	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	D	D	-	A	-	A	-	B	-	D
Diethylamine	B	B	B	-	A	A	A	B	C	B	-	A	D	-	-	A	C	-	A	A	A	D	D	-	-	-
Diethylbenzen	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethylene Ether (Dioxane)	A	-	A	-	A	-	-	-	-	D	D	-	D	-	-	-	D	D	-	D	-	A	-	D	-	-
Diethylene Glycol	B	A	A	-	A	A	B	A	C	A	A	A	A	A	-	A	A	A	A	A	A	A	A	A	A	D
Diethylene Triamine	A	-	A	-	A	-	A	-	-	A	-	D	B	-	-	-	D	D	-	D	-	A	-	B	-	D
Difluorodibromomethane	-	-	-	-	-	-	-	-	-	B	-	-	-	D	-	-	D	D	-	D	-	A	-	B	-	D
Diisobutyl Ketone	A	-	A	-	A	-	A	-	-	B	D	D	D	-	-	-	D	D	-	D	-	A	-	B	-	D
Diisobutylene	B	-	B	-	B	B	-	A	-	D	C	A	B	D	-	-	B	C	A	C	A	A	A	C	A	D
Diisodecyl Adipate	-	-	-	-	-	-	-	-	-	-	C	C	D	-	-	-	D	-	-	-	-	A	-	-	-	-

CHEMICALS	METALS							PLASTICS, ELASTOMERS & LEATHER																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Diisodecyl Phthalate	-	-	-	-	-	-	-	-	-	A	C	C	D	-	-	-	D	-	-	D	-	A	-	-	-	-
Diisooctyl Adipate	A	-	A	-	A	-	A	-	-	-	C	C	D	-	-	-	D	-	-	-	-	A	-	-	-	-
Diisooctyl Phthalate	-	-	-	-	-	-	-	-	-	B	C	C	D	-	-	-	D	D	-	-	-	A	-	C	-	-
Diisooctyl Sebecate	-	-	-	-	-	-	-	-	-	C	A	B	-	-	-	-	C	D	-	D	-	A	-	D	-	D
Di-Iso-Propyl Amine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	C	-	-	-	A	-	-	-	-
Di-Iso-Propyl Benzene	-	-	-	-	-	-	-	A	-	D	A	A	-	D	-	-	D	D	-	D	-	A	-	C	-	D
Di-Iso-Propyl Ketone	-	-	-	-	A	-	-	A	-	A	D	D	D	-	-	-	D	D	-	D	-	A	A	C	-	D
Dimethyl Aniline	A	-	-	-	B	B	B	D	-	B	-	D	D	-	-	D	D	-	A	D	D	A	A	-	-	-
Dimethyl Ether	B	-	B	-	B	-	B	-	-	-	A	-	A	-	-	-	A	-	-	B	-	A	-	-	-	-
Dimethyl Formamide	A	-	A	-	A	B	-	D	D	B	-	C	D	-	-	C	D	-	A	D	A	A	D	-	-	-
Dimethyl Phthalate	-	-	-	-	-	B	-	-	-	C	C	C	D	-	-	-	D	-	C	D	A	A	A	A	-	-
Dimethyl Sulfate	-	-	A	-	-	-	-	-	-	-	D	-	D	-	-	-	D	-	-	-	-	A	-	-	-	-
Dimethyl Sulfide	A	-	A	-	A	-	A	-	-	-	-	-	D	-	-	-	D	-	-	-	-	A	-	-	-	-
Dimethylaniline	A	-	-	-	-	-	B	D	-	B	-	C	-	-	-	-	D	D	-	D	A	A	A	B	A	D
Dinitrotoluene	-	-	-	-	A	-	-	-	-	D	C	B	D	-	-	-	D	-	-	D	-	A	-	B	-	-
Dioctyl Phthalate	A	-	A	-	A	A	A	-	-	B	B	A	D	-	-	-	D	-	A	D	-	A	-	C	A	-
Dioctyl Sebecate	A	-	A	-	A	-	A	-	-	C	C	B	D	-	-	-	D	-	-	D	-	A	-	C	-	-
Dioxane	B	-	A	-	-	A	-	-	-	-	-	D	-	-	-	-	D	-	A	D	C	A	C	-	-	-
Dioxolane	-	-	-	-	-	-	-	-	-	B	C	B	-	-	-	-	D	-	-	D	-	A	-	C	-	-
Dipentene	A	-	A	-	A	A	A	-	-	D	A	A	D	-	-	-	C	C	-	D	-	A	-	C	-	D
Diphenyl	B	-	B	-	B	B	B	-	B	D	-	A	D	-	-	D	D	D	-	B	D	A	A	C	-	D
Diphenyl Oxide	B	A	A	-	B	A	B	D	D	D	A	A	D	-	-	D	A	D	-	D	D	A	B	C	-	D
Dipropyl Ketone (Butyrone)	-	-	-	-	-	-	-	-	-	-	-	D	-	D	-	-	D	D	-	-	-	A	-	-	-	-
Dipropylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	-	-	-	-	A	-	-	-	-
Dipropylene Glycol	-	-	-	-	-	-	-	-	-	-	A	A	A	-	-	-	A	A	-	-	A	A	A	A	-	-
Dispersing Oil #10	A	-	A	-	A	-	A	-	-	D	C	C	-	-	-	-	D	D	-	D	-	A	-	-	-	-
Divinyl Benzene	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	D	D	-	D	-	A	-	D	-	-
Dodecyl Benzene (Alkane)	A	-	A	-	A	-	-	-	-	-	A	A	-	-	-	-	D	D	-	-	-	A	-	-	-	-
Dow (Silicones)	A	-	-	-	-	-	-	-	-	A	A	A	-	B	-	-	A	A	-	A	-	A	-	A	-	A
Dowtherm A	C	-	B	-	A	-	-	-	-	D	-	A	-	B	-	-	D	D	-	D	B	A	-	D	-	D
Dowtherm E	-	-	-	-	-	-	-	-	-	D	-	A	-	B	-	-	D	D	-	D	B	-	-	D	-	D
Dowtherm Oil	C	-	B	-	A	A	A	-	-	D	A	A	-	-	-	-	D	-	A	D	-	A	-	D	-	-
Dry Cleaning Fluid	A	-	A	-	A	A	-	-	-	D	A	A	-	-	-	-	C	D	-	D	D	A	A	D	D	D
DTE Light Oil	-	-	-	-	-	-	-	-	-	D	-	A	-	B	-	-	A	B	-	B	-	B	-	D	A	D
Dyes	B	-	B	-	A	A	A	C	-	-	-	A	-	-	-	-	C	-	A	C	-	-	-	-	-	-
Epichlorohydrin	D	-	A	-	A	A	A	A	-	C	D	D	D	D	-	-	D	D	A	D	B	A	D	B	-	D
Epsom Salts (Magnesium Sulfate)	B	A	A	-	A	B	B	B	A	A	A	A	A	-	-	B	A	A	A	A	A	A	A	A	A	-
Esam-6 Fluid	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	-	-	-	B	-	-	-	B	-	-

CHEMICALS	METALS							PLASTICS, ELASTOMERS & LEATHER																		
A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Esstic 42,43	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	A	A	-	B	-	-	-	D	-	B
Ethane	A	-	A	-	A	A	A	A	B	D	A	A	A	-	-	D	A	C	D	B	D	A	A	C	-	B
Ethanol (Ethyl Alcohol)	B	B	B	-	A	A	A	A	A	A	-	A	-	A	-	A	C	A	A	A	A	A	A	A	A	D
Ethanol Chloride	-	-	-	-	-	-	-	-	-	C	-	B	-	-	-	-	D	D	-	D	-	A	-	B	-	-
Ethanolamine	B	-	B	-	A	A	B	D	C	B	D	D	A	-	-	B	B	B	A	B	D	A	C	A	A	C
Ether	B	C	C	-	A	A	B	A	D	C	-	C	D	-	-	D	D	D	A	D	D	A	B	C	D	D
Ethlyene Oxide	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethlyene Trichloride (Trichloroethene)	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl (Liquor)	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	A	A	A	-	B	B	A	A	D	B	D	D	D	B	-	C	D	D	A	D	A	A	D	C	B	D
Ethyl Acetoacetate	A	-	A	-	A	-	A	A	-	C	D	D	D	D	-	-	D	D	-	D	-	A	A	C	A	D
Ethyl Acrylate	A	-	A	-	A	A	A	A	-	C	D	D	D	-	-	-	D	D	-	D	D	A	C	C	-	D
Ethyl Alcohol (Ethanol)	B	-	B	-	A	-	A	-	-	A	B	A	-	A	-	-	A	A	D	A	A	A	A	B	A	D
Ethyl Aluminum Dichloride	-	-	-	-	-	-	-	-	-	-	B	B	-	-	-	-	D	D	-	-	-	A	-	-	-	-
Ethyl Amine (Monoethylamine)	B	-	B	-	A	-	-	-	-	A	D	D	-	-	-	-	D	-	-	D	-	A	-	-	-	D
Ethyl Benzene	B	-	B	-	B	B	A	A	-	D	A	A	D	-	-	-	D	D	-	D	D	A	C	D	A	D
Ethyl Benzoate	A	-	A	-	A	A	A	A	-	D	A	A	D	-	-	D	D	D	D	D	B	A	D	C	-	D
Ethyl Bromide (Bromoethane)	A	-	A	-	A	-	-	-	-	D	-	A	D	-	-	-	D	C	-	D	D	A	-	D	-	D
Ethyl Butyl Acetate	-	-	-	-	-	-	-	-	-	-	D	D	-	-	-	-	D	D	-	-	-	A	-	-	-	-
Ethyl Butyl Alcohol	-	-	-	-	-	-	-	-	-	-	B	B	-	D	-	-	A	A	-	-	-	A	-	-	-	D
Ethyl Butyl Ketone	-	-	-	-	-	-	-	-	-	-	D	D	-	-	-	-	D	D	-	-	-	A	-	-	-	-
Ethyl Butyraldehyde	-	-	-	-	-	-	-	-	-	-	D	D	-	-	-	-	D	D	-	-	-	A	-	-	-	-
Ethyl Butyrate	B	-	A	-	A	-	A	-	-	D	C	C	D	-	-	-	D	D	A	D	B	A	-	-	C	-
Ethyl Caprylate	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	D	D	-	D	-	A	-	-	-	-
Ethyl Cellosolve	-	-	-	-	-	-	-	-	-	B	D	B	-	-	-	-	C	-	-	C	-	A	-	B	-	-
Ethyl Cellulose	B	-	A	-	B	B	B	A	-	B	C	D	B	B	-	-	B	B	B	B	C	A	-	A	-	B
Ethyl Chloride	B	C	C	-	A	A	B	A	D	A	A	A	B	C	-	B	A	C	A	C	D	A	A	D	D	C
Ethyl Chlorocarbonate	D	-	A	-	-	-	-	A	-	D	A	A	-	D	-	-	D	D	-	D	-	A	-	A	-	D
Ethyl Chloroformate	D	-	-	-	-	-	-	A	-	D	-	A	-	D	-	-	D	D	-	D	D	A	-	C	-	D
Ethyl Cyanide (Propionitrile)	-	-	-	-	-	-	-	-	-	A	D	D	-	-	-	-	D	D	-	B	-	A	-	-	-	-
Ethyl Ether	B	C	C	-	B	B	B	A	D	D	-	D	D	-	-	D	D	D	A	D	D	A	A	D	D	D
Ethyl Formate	C	-	A	-	B	B	B	A	-	C	A	C	D	D	-	-	D	D	-	B	-	A	-	B	C	-
Ethyl Hexyl Acetate	-	-	-	-	-	-	-	-	-	-	-	D	-	D	-	-	D	-	-	-	-	A	-	-	-	-
Ethyl Hexyl Alcohol (Ethylhexanol)	A	-	A	-	A	-	A	-	-	A	-	A	-	D	-	-	A	A	-	A	-	A	-	A	-	D
Ethyl Iodide	-	-	-	-	-	-	-	-	-	C	-	B	-	-	-	-	D	-	-	D	-	A	-	-	-	-
Ethyl Isobutryrate	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	D	-	-	D	-	A	-	-	-	-
Ethyl Mercaptan	B	-	A	-	B	B	B	-	-	D	B	B	D	-	-	-	D	D	-	D	-	A	-	C	-	A
Ethyl Oxalate	A	-	-	-	-	-	-	-	-	A	B	B	-	D	-	-	D	D	-	D	-	A	-	B	-	A
CHEMICALS	METALS							PLASTICS, ELASTOMERS & LEATHER																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Ethyl Pentachlorobenzene	D	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	D	D	-	D	D	A	-	D	-	C
Ethyl Propionate	A	-	A	-	A	-	A	-	-	D	-	-	D	D	-	-	D	D	-	D	-	A	-	D	-	-
Ethyl Silicate	B	-	A	-	A	A	A	-	-	A	A	A	A	B	-	-	A	B	-	A	-	A	-	B	C	D
Ethyl Sulfate	-	-	-	-	D	D	-	-	-	A	A	A	A	-	-	-	A	D	A	A	-	A	-	B	-	D
Ethylacrylic Acid	-	-	-	-	-	-	-	-	-	B	-	D	-	-	-	-	D	D	-	B	-	A	-	C	-	D
Ethylcyclopentane	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	C	-	-	-	-	-	A
Ethylene (Ethene)	A	-	A	-	A	A	-	A	-	D	A	A	B	D	-	-	B	B	-	C	-	A	-	C	-	B
Ethylene Bromide	B	-	-	-	A	A	B	-	C	C	-	A	-	-	-	C	D	-	-	C	D	A	A	-	-	-
Ethylene Chloride	B	-	C	-	B	B	B	A	D	D	-	B	D	C	-	D	D	D	A	D	C	A	A	D	C	D
Ethylene Chlorohydrin	B	-	B	-	B	B	B	D	C	B	B	A	D	D	-	C	D	D	D	A	D	A	A	C	-	D
Ethylene Diamine	B	-	A	-	B	B	C	D	B	A	D	B	B	-	-	B	A	B	D	B	A	A	B	A	A	D
Ethylene Dibromide	D	-	D	-	B	-	B	-	-	D	B	A	D	-	-	-	D	D	-	D	D	A	A	D	-	D
Ethylene Dichloride	A	A	A	-	B	B	B	B	D	C	B	A	B	C	-	D	D	C	A	D	D	A	A	D	D	D
Ethylene Glycol	A	A	A	-	B	B	B	B	A	A	A	A	-	A	-	A	A	A	A	A	A	A	A	A	A	B
Ethylene Glycol Monobutyl Ether (Butyl Cellosolve)	A	-	A	-	A	-	A	-	-	B	C	-	B	-	-	-	B	-	-	D	-	A	-	-	-	-
Ethylene Glycol Monoethyl Ether	A	-	A	-	A	-	A	-	-	B	C	-	D	-	-	-	C	-	-	D	-	A	-	-	-	-
Ethylene Glycol Monomethyl Ether (Methyl Cellosolve®)	B	-	B	-	A	-	A	-	-	B	D	-	-	-	-	-	C	-	-	C	-	A	-	-	-	-
Ethylene Oxide	D	D	D	-	B	B	A	D	D	C	C	D	-	A	-	D	D	A	A	D	D	A	A	A	C	D
Ethylene Trichloride	D	-	A	-	A	A	-	-	-	D	A	A	-	-	-	-	D	-	-	D	D	A	A	D	-	D
Ethylhexyl Acetate	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	D	-	-	-	-	A	-	-	-	-
Ethylhexyl Alcohol (Ethylhexanol)	A	-	A	-	A	-	A	-	-	-	B	-	-	-	-	-	A	-	-	-	-	A	-	-	-	-
Ethylidene Chloride	D	-	B	-	A	-	B	-	-	D	-	-	-	-	-	-	D	D	-	D	-	A	-	D	-	-
Etyl Cellosolve	-	-	-	-	-	-	-	A	-	B	-	D	-	-	-	-	D	C	-	D	-	A	-	B	-	D
Fatty Acids	A	C	C	-	B	A	A	A	B	D	A	A	B	D	-	C	B	B	A	C	A	A	A	B	A	D
Ferric Chloride	D	D	D	-	D	D	B	D	B	A	A	A	A	C	-	A	A	A	A	B	A	A	A	A	A	A
Ferric Hydroxide	-	-	-	-	A	-	B	-	-	B	C	B	-	-	-	-	B	B	-	B	-	A	-	B	-	-
Ferric Nitrate	D	-	D	-	B	B	B	D	A	A	A	A	A	D	-	A	A	A	A	A	A	A	A	A	A	A
Ferric Sulfate	D	D	D	-	B	A	A	D	A	A	A	A	A	A	-	A	A	A	A	A	A	A	A	A	A	A
Ferrous Chloride	D	D	D	-	D	D	B	D	A	A	A	A	A	A	-	A	A	B	D	A	A	A	A	A	A	D
Ferrous Sulfate	B	D	D	-	B	B	B	D	B	A	A	B	A	A	-	B	A	A	D	A	A	A	A	A	A	A
Fish Oil	-	-	-	-	-	-	-	-	-	D	A	A	B	B	-	-	A	A	-	B	-	A	-	B	A	B
Flouboric Acid	D	-	D	-	B	-	A	-	-	A	-	A	-	D	-	-	A	A	-	A	A	A	A	A	A	D
Flourine (Anhydrous)	D	-	D	-	A	-	B	A	-	D	-	B	-	D	-	-	D	D	-	D	D	B	A	D	-	D
Flourolube (Fluoro Carbonoil)	A	-	A	-	A	-	A	-	-	A	-	B	-	D	-	-	A	-	-	A	D	A	-	-	-	-
Fluoboric Acid	D	D	D	-	B	B	A	A	A	C	B	A	-	-	-	A	A	-	D	A	A	A	A	A	A	-
Fluorinated Cyclic Ethers	D	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	D	D	-	D	D	A	-	D	-	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Fluorine	A	D	D	-	C	A	B	D	-	A	-	C	D	-	-	C	D	-	D	-	D	D	A	-	-	-
Fluorine (Liquid)	D	-	D	-	A	A	B	-	-	C	B	B	-	-	-	-	D	-	D	D	D	A	A	D	A	-
Fluorobenzene	D	-	-	-	-	-	-	A	-	D	A	A	D	-	-	-	D	D	-	D	D	A	-	C	-	-
Fluorocarbon Oils	D	-	A	-	A	-	A	-	-	A	B	-	D	-	-	-	C	D	-	A	D	A	-	D	-	-
Fluorochloroethylene	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	-	A	-	C	-	-
Fluorolube	-	-	-	-	-	-	-	-	-	-	-	B	-	-	-	-	C	-	-	A	-	A	-	-	-	-
Fluosilicic Acid	D	D	D	-	C	B	B	A	A	A	A	B	A	B	-	A	A	A	D	A	A	A	A	A	A	B
Formaldehyde	A	C	C	-	C	A	A	A	C	A	A	D	B	B	-	C	C	A	D	C	C	A	A	B	A	D
Formaldehyde - 40%	B	B	B	-	A	A	B	A	B	A	-	A	-	B	-	B	B	-	A	B	A	A	A	-	-	-
Formamide	A	-	B	-	B	-	B	-	-	A	D	D	-	D	-	-	A	A	-	A	-	A	-	A	-	-
Formic Acid	A	D	D	-	B	A	A	A	A	A	C	C	D	B	-	C	C	A	D	A	A	A	A	A	A	D
Freon 11	D	A	A	-	A	A	A	D	B	D	B	B	-	A	-	D	B	C	D	D	A	A	A	D	-	D
Freon 112	D	-	-	-	-	-	-	A	-	D	-	A	-	-	-	-	B	B	-	B	-	A	-	-	-	B
Freon 113	D	-	-	-	A	A	A	A	A	D	B	B	-	A	-	D	A	D	-	C	D	A	B	D	-	B
Freon 114	D	-	-	-	A	-	-	A	-	D	A	A	-	A	-	-	A	B	-	A	D	A	A	D	-	A
Freon 114B2	D	-	-	-	-	-	-	-	-	D	B	B	-	A	-	-	B	-	-	A	-	A	-	D	-	D
Freon 115	D	-	-	-	-	-	-	-	-	A	B	B	-	-	-	-	A	-	-	A	-	A	-	D	-	-
Freon 12	B	A	A	-	B	B	A	B	A	B	B	B	-	A	-	C	A	C	A	A	A	A	A	D	-	A
Freon 12 (Wet)	D	-	A	-	-	A	A	-	-	-	-	A	-	-	-	-	A	-	D	B	B	A	A	-	-	-
Freon 13	D	-	A	-	A	-	A	A	-	A	A	A	-	C	-	-	A	D	-	A	D	A	A	D	-	C
Freon 13B1	D	-	-	-	-	-	-	-	-	A	A	A	-	-	-	-	A	D	-	A	-	A	-	-	-	A
Freon 14	-	-	-	-	-	-	-	-	-	B	-	A	-	-	-	-	D	A	-	D	-	A	-	-	-	A
Freon 142b	D	-	-	-	-	-	-	A	-	A	-	D	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Freon 15	C	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon 152a	D	-	-	-	-	-	-	A	-	A	-	D	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Freon 17	A	-	-	-	A	-	A	-	-	-	-	-	-	-	-	-	D	D	-	D	-	-	-	-	-	-
Freon 21	D	-	-	-	-	-	-	A	-	D	D	D	-	-	-	-	D	D	-	D	D	A	A	D	-	-
Freon 218	D	-	-	-	-	-	-	A	-	-	-	A	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Freon 22	D	D	D	-	A	A	A	A	B	A	D	D	-	D	-	D	D	D	B	A	B	A	A	D	-	D
Freon 31	D	-	-	-	-	-	-	A	-	A	-	D	-	-	-	-	D	D	-	A	-	A	-	-	-	-
Freon 32	D	-	-	-	-	-	-	A	-	A	-	D	-	-	-	-	A	D	-	A	-	A	-	-	-	-
Freon 502	D	-	-	-	-	-	-	A	-	A	-	B	-	D	-	-	B	-	-	A	-	A	-	-	-	-
Freon BF	D	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	-	-	B	-	A	-	-	-	-
Freon C316	D	-	-	-	-	-	-	A	-	A	-	A	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Freon C318	D	-	-	-	-	-	-	A	-	A	-	A	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Freon K-142B	D	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon K-152a	D	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon MF	D	-	-	-	-	-	-	-	-	D	-	D	-	A	-	-	A	-	-	D	-	A	-	-	-	D
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Freon PCA	D	-	-	-	-	-	-	-	-	D	-	B	-	-	-	-	A	-	-	A	-	-	-	-	-	A
Freon TA	D	-	-	-	-	-	-	-	-	A	-	C	-	-	-	-	A	-	-	A	-	A	-	-	-	A
Freon TC	D	-	-	-	-	-	-	-	-	B	-	A	-	-	-	-	A	-	-	A	-	A	-	-	-	A
Freon TF	D	A	A	-	A	A	A	A	A	D	-	B	-	A	-	D	A	-	D	A	D	A	B	D	-	B
Freon TMC	D	-	-	-	-	-	-	-	-	B	-	A	-	A	-	-	B	-	-	B	-	A	-	-	-	B
Freon T-P35	D	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	-	-	A	-	A	-	-	-	A
Freon T-WD602	D	-	-	-	-	-	-	-	-	B	-	A	-	-	-	-	B	-	-	B	-	A	-	-	-	A
Fruit Juice	A	D	D	-	A	A	A	D	B	A	A	A	A	-	-	D	A	-	A	A	B	A	A	A	A	-
Fuel Oils (ASTM #1 thru #9)	C	A	A	-	A	A	A	A	C	D	A	A	-	B	-	D	A	B	A	B	A	B	B	C	C	D
Fumaric Acid (Boletic Acid)	-	-	-	-	-	-	-	-	-	B	A	A	-	B	-	-	C	-	-	B	-	A	-	A	C	-
Fuming Sulphuric Acid (20%/50%	-	-	-	-	-	-	-	-	-	A	-	-	-	D	-	-	D	-	-	D	-	D	-	A	-	D
Furan (Furfuran)	A	-	A	-	A	-	-	-	-	D	C	D	D	-	-	-	D	D	-	D	C	A	D	C	-	-
Furan Resin	A	-	-	-	A	A	B	D	D	C	-	D	-	-	-	D	D	-	-	D	D	A	D	-	-	-
Furfural (Ant Oil)	A	B	B	-	A	B	B	A	B	D	C	D	D	B	-	D	D	D	B	D	D	A	B	C	B	D
Furfuryl Alcohol	A	-	A	-	A	-	A	-	-	B	D	D	D	B	-	-	D	D	-	D	-	A	B	C	-	D
Furyl Carbinol	-	-	-	-	-	-	-	-	-	B	-	D	-	-	-	-	D	D	-	D	-	A	-	-	-	D
Fusel Oil (Grain Oil)	-	-	-	-	-	-	-	-	-	A	A	A	-	-	-	-	A	-	-	B	-	A	-	-	-	C
Galcial Acetic Acid	-	-	-	-	-	-	-	-	-	A	-	D	-	D	-	-	D	D	-	D	-	A	-	A	A	D
Gallic Acid	D	D	D	-	A	B	B	-	D	B	A	A	B	D	-	A	B	D	A	B	A	B	A	B	A	D
Gasoline (Aviation)	A	-	A	-	A	-	A	-	-	D	A	A	A	D	-	-	A	B	-	C	-	A	-	-	-	D
Gasoline (high-aromatic)	D	A	A	-	A	A	A	B	B	D	-	A	-	A	-	D	A	-	A	A	A	B	A	-	-	-
Gasoline (Leaded)	A	-	A	-	A	A	A	A	B	D	-	A	D	A	-	D	A	C	A	B	B	A	A	C	-	C
Gasoline (Petrol)	A	-	A	-	A	-	A	A	-	D	A	-	-	-	-	-	A	-	A	C	C	A	A	C	C	-
Gasoline (Unleaded)	A	A	A	-	A	A	A	A	A	D	A	A	D	-	-	D	A	C	A	B	C	A	A	C	B	D
Gelatin	A	A	A	-	A	A	A	B	B	A	B	A	A	B	-	A	A	A	A	A	A	A	A	A	A	D
Glauber's Salt	-	-	-	-	-	-	-	-	-	B	A	A	-	B	-	-	A	-	-	A	-	A	-	-	A	A
Gluconic Acid	B	-	C	-	A	-	-	-	-	-	A	-	-	-	-	-	C	-	-	-	A	A	-	-	-	-
Glucose (Corn Syrup)	A	A	A	-	A	A	A	A	B	A	A	A	A	B	-	A	A	A	A	A	A	A	A	A	A	A
Glue (PVA)	A	A	A	-	A	A	A	A	A	A	A	B	A	A	-	A	A	D	A	A	B	A	A	A	A	A
Glycerin (Glycerol)	A	A	A	-	A	A	A	A	A	A	A	A	A	A	-	A	A	A	A	A	A	A	A	A	A	D
Glycolic Acid	-	-	-	-	A	A	A	A	A	A	A	A	A	-	-	D	A	A	-	A	A	A	B	A	A	-
Glycols	B	-	B	-	B	B	-	A	-	-	A	A	-	-	-	-	A	-	B	A	A	A	A	A	A	-
Gold Monocyanide	-	D	D	-	A	A	A	A	-	-	A	A	A	-	-	-	A	-	-	A	-	D	A	A	-	-
Grape Juice	B	D	D	-	A	A	-	A	-	A	A	A	A	-	-	D	A	A	A	D	A	A	A	A	A	D
Grapefruit Oil	-	-	D	-	A	-	-	-	-	-	-	A	-	-	-	-	D	-	-	D	-	A	-	A	-	-
Grease	A	A	A	-	A	A	A	D	-	D	A	A	-	-	-	D	A	-	-	D	-	A	A	B	-	-
Grease (Ester Base)	A	-	A	-	A	-	A	A	-	-	-	-	-	-	-	-	C	C	-	-	A	A	A	B	-	-
Grease (Petroleum Base)	A	-	A	-	A	-	A	A	-	D	-	A	A	A	-	-	A	A	-	D	A	A	A	D	-	A
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Grease (Silicone Base)	A	-	A	-	A	-	A	A	-	-	-	-	-	-	-	-	A	A	-	-	A	A	A	B	-	-
Green Sulfate Liquor	B	-	C	-	A	-	B	-	-	A	A	A	-	D	-	-	B	B	-	B	A	A	-	A	A	A
Halothane	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	D	D	-	D	-	-	-	-	-	D
Halowax Oil	D	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	D	D	-	D	-	A	-	D	-	-
Hannifin Lube A	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	A	-	A	-	-	-	D	-	A
Heavy Water	A	-	C	-	A	-	A	-	-	A	-	-	-	B	-	-	A	A	-	-	-	-	-	B	-	D
HEF - 2 (High Energy Fuel)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	B	-	A	-	-	-	D	-	D
Helium	A	-	A	-	A	-	-	A	-	A	-	A	-	-	-	-	A	A	-	A	A	A	-	A	-	A
Heptanal	A	-	A	-	A	-	A	-	-	-	A	-	A	-	-	-	A	-	-	-	A	-	-	-	-	-
Heptane	A	A	A	-	A	A	A	A	B	D	A	A	A	B	-	D	A	B	A	B	C	A	A	C	A	B
Hexalin	-	-	-	-	-	-	-	-	-	C	A	-	-	-	-	-	B	-	-	A	-	A	-	-	-	-
Hexanal	A	-	B	-	A	-	B	-	-	B	C	-	D	-	-	-	D	-	-	A	-	A	-	-	-	-
Hexane	A	A	A	-	A	A	A	A	B	D	-	A	A	A	-	D	A	B	B	B	B	A	A	C	A	B
Hexanol	A	-	A	-	A	-	A	A	-	A	-	A	-	D	-	-	A	A	-	B	A	A	-	C	-	D
Hexyl (Hexanol)	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexyl Alchol	A	-	-	-	A	-	A	-	-	-	A	-	-	-	-	-	A	-	-	B	A	A	A	B	A	-
Hexyl Alcohol	A	-	A	-	A	-	-	-	-	C	A	B	-	D	-	-	B	B	-	B	-	A	A	B	C	D
Hexylene Glycol (Brake Fluid)	A	-	A	-	A	-	A	-	-	C	A	A	-	D	-	-	A	-	-	A	-	A	-	-	-	-
Hilo MS #1	-	-	-	-	-	-	-	-	-	A	-	D	-	D	-	-	D	D	-	D	-	-	-	-	-	B
Honey	A	A	A	-	A	A	A	A	-	A	-	A	A	-	-	A	A	-	A	A	A	A	A	A	-	-
Houghto-Safe 1010, Phosphate Ester	-	-	-	-	-	-	-	-	-	A	-	A	-	B	-	-	D	D	-	D	-	A	-	A	-	A
Houghto-Safe 1055, Phosphate Ester	-	-	-	-	-	-	-	-	-	A	-	A	-	B	-	-	D	D	-	D	-	A	-	A	-	A
Houghto-Safe 1120, Phosphate	-	-	-	-	-	-	-	-	-	A	-	A	-	B	-	-	D	D	-	D	-	A	-	A	-	A
Houghto-Safe 271 (Water & Glycol	-	-	-	-	-	-	-	-	-	A	-	B	-	B	-	-	A	-	-	B	-	A	-	A	-	D
Houghto-Safe 5040 (Water/Oil	-	-	-	-	-	-	-	-	-	D	-	A	-	B	-	-	A	A	-	B	-	A	-	D	-	D
Houghto-Safe 620 Water/Glycol	-	-	-	-	-	-	-	-	-	A	-	B	-	A	-	-	A	A	-	B	-	A	-	A	-	B
Hydraulic Oil (Petroleum Base)	A	A	A	-	A	A	A	B	A	D	A	A	A	A	-	D	A	A	A	A	D	A	A	D	A	-
Hydraulic Oil (Synthetic)	A	-	A	-	A	A	A	B	A	A	-	A	D	A	-	D	D	A	A	A	D	A	A	D	A	B
Hydrazine	A	D	D	-	A	A	A	B	B	A	D	A	B	C	-	C	B	D	-	B	C	A	A	A	-	D
Hydrobromic Acid	D	D	D	-	D	D	C	D	A	A	A	A	D	-	-	A	D	D	D	D	C	A	A	B	A	-
Hydrobromic Acid - 20%	D	D	D	-	D	D	A	C	A	A	-	A	-	-	-	A	D	-	D	D	A	-	A	-	-	-
Hydrochloric Acid	D	D	D	-	D	D	A	C	D	D	-	A	-	-	-	D	D	-	D	D	B	A	A	-	-	-
Hydrochloric Acid - 10%	D	-	C	-	D	-	B	D	-	A	A	-	-	-	-	-	B	-	A	B	A	A	A	A	A	-
Hydrochloric Acid - 20%	D	-	D	-	D	D	D	D	-	A	A	A	B	D	-	-	D	D	D	D	A	A	A	A	A	B
Hydrochloric Acid - 30%	D	-	D	-	D	-	A	D	-	A	B	-	-	-	-	-	C	-	D	C	B	A	A	-	A	-
Hydrochloric Acid - 37%	D	D	D	-	D	D	B	C	B	C	-	A	D	C	-	A	B	D	D	B	C	A	A	B	A	D
Hydrochloric Acid - 37% (Cold)	D	-	D	-	-	D	D	-	-	-	-	A	-	-	-	-	C	-	D	D	A	A	A	-	-	-
Hydrochloric Acid - 37% (Hot)	D	-	D	-	-	D	D	-	-	-	-	A	-	-	-	-	D	-	D	D	-	A	A	-	-	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Hydrochloric Acid, Dry Gas	D	-	-	-	D	D	A	-	-	-	-	-	-	-	-	-	-	-	A	-	B	A	A	-	-	-
Hydrocyanic Acid	A	D	D	-	B	A	A	B	A	B	A	A	B	C	-	B	B	D	B	B	A	A	A	B	A	D
Hydrocyanic Acid - 10%	-	-	-	-	-	-	-	C	-	A	-	A	-	-	-	B	B	-	-	A	A	A	-	-	-	-
Hydrofluoric Acid (Conc.) (Cold)	D	-	D	-	D	D	D	D	-	C	B	A	-	-	-	-	D	-	D	C	D	A	A	D	A	-
Hydrofluoric Acid (Conc.) (Hot)	D	-	D	-	-	D	D	-	-	-	-	B	-	-	-	-	D	-	D	D	D	A	A	-	-	-
Hydrofluoric Acid 100%	D	D	D	-	B	B	B	D	B	D	-	B	D	D	-	D	D	D	D	D	C	A	A	D	-	D
Hydrofluoric Acid 20%	D	D	D	-	D	D	B	D	B	D	-	A	D	D	-	B	D	D	C	B	A	A	A	D	A	D
Hydrofluoric Acid 50%	D	D	D	-	D	D	B	D	B	D	-	B	D	D	-	B	D	D	D	D	A	A	A	D	A	D
Hydrofluoric Acid 75%	D	D	D	-	D	D	B	D	B	C	-	B	D	D	-	D	D	D	D	D	C	A	A	D	-	D
Hydrofluosilicic Acid	D	D	D	-	D	D	B	A	B	A	-	A	B	B	-	A	B	D	D	B	A	A	A	B	A	D
Hydrofluosilicic Acid 20%	D	B	B	-	C	B	B	B	B	A	-	A	B	-	-	A	A	-	D	B	A	A	A	-	-	-
Hydrogen Chloride Gas	D	-	A	-	A	-	A	-	-	A	-	A	-	-	-	-	D	B	-	B	A	A	A	B	-	-
Hydrogen Cyanide Gas	D	-	A	-	B	-	-	-	-	A	-	A	-	D	-	-	B	A	-	D	A	A	A	A	-	D
Hydrogen Fluoride	D	-	-	-	D	-	A	-	-	C	A	A	-	D	-	-	D	D	D	C	A	B	A	-	-	D
Hydrogen Gas	A	-	A	-	A	A	A	-	A	A	-	A	A	A	-	B	A	A	A	A	A	A	A	A	-	A
Hydrogen Peroxide - 10%	A	C	C	-	B	B	A	D	D	A	A	A	-	-	-	B	D	-	C	D	A	A	A	-	A	-
Hydrogen Peroxide - 100%	A	B	B	-	B	A	A	D	D	D	-	A	D	D	-	C	D	C	D	D	B	A	A	A	A	C
Hydrogen Peroxide - 3%	A	-	-	-	-	-	-	-	-	B	A	-	-	-	-	-	B	-	D	B	A	A	A	A	A	-
Hydrogen Peroxide - 30%	A	B	B	-	B	B	A	D	D	B	A	A	D	-	-	C	D	-	D	D	B	A	A	-	A	-
Hydrogen Peroxide - 50%	A	-	-	-	B	A	A	D	D	B	-	A	D	-	-	C	D	-	D	D	B	A	A	-	-	-
Hydrogen Peroxide - 90%	A	-	D	-	A	-	-	-	-	C	A	-	-	-	-	-	D	-	D	B	-	A	-	-	A	-
Hydrogen Sulfide (dry)	B	D	D	-	C	A	A	A	B	B	-	D	-	A	-	C	D	D	C	A	A	A	A	A	A	A
Hydrogen Sulfide (wet)	B	D	D	-	C	A	A	C	D	B	D	D	D	A	-	C	D	D	C	A	A	A	A	A	A	D
Hydrogen Sulfide (Wet) (Cold)	D	-	D	-	-	A	A	-	-	-	-	A	-	-	-	-	C	-	C	B	A	A	A	-	-	-
Hydrogen Sulfide (Wet) (Hot)	D	-	D	-	-	A	A	-	-	-	-	B	-	-	-	-	D	-	D	C	A	A	A	-	-	-
Hydrolube-Water/Ethylene Glycol	A	-	A	-	A	-	A	D	-	A	-	A	-	B	-	-	A	A	-	B	A	A	A	A	-	D
Hydroquinone	B	-	B	-	B	B	B	A	D	D	C	B	D	-	-	A	D	C	D	A	A	A	A	A	A	-
Hydroxyacetic Acid	D	-	B	-	B	-	-	C	-	A	-	D	A	-	-	-	D	D	-	D	-	A	-	A	-	D
Hydroxyacetic Acid - 10%	B	-	-	-	B	-	-	-	-	-	-	-	-	-	-	-	D	-	-	D	-	A	-	A	-	-
Hydroxyacetic Acid 70%	D	B	B	-	-	-	-	A	-	A	-	A	-	-	-	-	A	-	-	A	-	A	A	-	-	-
Hydyne	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	B	B	-	B	-	A	-	D	-	-
Hypochlorous Acid	D	-	D	-	D	D	A	D	-	B	A	A	D	-	-	-	D	D	D	D	A	A	A	A	A	D
Hypoid Grease (Parapoid 10-C)	-	-	-	-	-	-	-	A	-	D	-	C	-	-	-	-	B	B	-	D	-	A	-	-	-	D
Ink (Printers)	D	D	D	-	C	C	A	B	-	A	-	A	-	A	-	D	A	A	C	A	-	A	A	C	A	A
Iodine	A	D	D	-	D	D	A	D	D	B	A	A	-	B	-	D	B	B	A	D	C	A	A	A	B	D
Iodine (in alcohol)	B	-	D	-	-	D	B	D	-	A	-	A	B	-	-	-	B	-	C	D	A	A	A	-	-	-
Iodine Pentafluoride	-	-	-	-	-	-	-	-	-	D	-	D	-	-	-	-	D	D	-	D	-	A	-	B	D	D
Iodoform	B	-	A	-	A	A	D	-	-	A	-	A	D	-	-	B	D	B	-	A	-	C	C	B	-	D
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Iso Butane	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	D	-	A	-	-	-	A
Isoamyl Acetate	A	-	A	-	A	-	A	-	-	B	D	D	D	-	-	-	D	D	-	D	-	A	-	-	-	D
Isoamyl Alcohol	-	-	-	-	-	-	-	-	-	A	A	A	-	-	-	-	A	-	-	A	-	A	-	-	-	C
Isoamyl Butyrate	A	-	A	-	A	-	A	-	-	-	D	D	D	-	-	-	D	D	-	-	-	A	-	-	-	-
Isoamyl Chloride	D	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	D	D	-	D	-	A	-	-	-	-
Isobutyl	-	-	-	-	-	-	-	-	-	-	-	-	B	-	-	-	-	-	-	-	-	-	-	-	-	-
Isobutyl Acetate	A	-	A	-	A	-	A	-	-	C	D	D	D	-	-	-	D	D	-	D	-	A	-	-	-	-
Isobutyl Alchol	B	-	-	-	A	-	A	-	-	-	A	-	-	-	-	-	C	-	-	A	-	A	A	A	A	-
Isobutyl Alcohol	B	-	C	-	A	-	A	A	-	A	A	A	-	-	-	-	B	B	A	B	A	A	A	A	A	D
Isobutyl Amine	-	-	-	-	-	-	-	-	-	-	D	D	-	-	-	-	D	D	-	-	-	A	-	-	-	-
Isobutyl Chloride	D	-	B	-	B	-	A	-	-	-	B	B	D	-	-	-	D	D	-	-	-	A	-	-	-	-
Iso-Butyl N-Butane	-	-	-	-	-	-	-	-	-	-	-	B	-	D	-	-	D	D	-	-	-	A	-	-	-	D
Isobutyric Acid	A	-	-	-	-	-	-	-	-	A	-	-	D	-	-	-	D	D	-	B	-	A	-	-	-	-
Isocyanates	-	-	A	-	A	-	A	A	-	-	-	B	-	B	-	-	B	C	-	-	A	A	-	-	-	B
Isododecane	B	-	B	-	B	-	B	-	-	D	A	A	B	-	-	-	B	A	-	B	-	A	-	-	-	B
Isooctane	A	-	A	-	A	A	A	-	-	D	A	A	A	A	-	A	A	C	A	B	A	A	A	C	A	A
Isopentane	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	A	A	-	D	-	A	-	-	-	B
Isophorone	A	-	B	-	A	A	A	-	-	C	D	D	D	-	-	-	D	D	-	D	-	A	-	B	-	D
Isopropanol (Isopropyl Alcohol)	A	-	A	-	A	-	A	A	-	A	-	A	-	A	-	-	A	A	-	B	A	A	A	B	-	B
Isopropyl Acetate	D	-	A	-	C	A	B	D	D	B	D	D	D	C	-	D	D	D	B	D	B	A	D	B	C	D
Isopropyl Alchol	B	-	C	-	A	-	A	-	-	-	A	-	-	-	-	-	C	-	-	B	A	A	A	B	A	-
Isopropyl Alcohol	A	-	A	-	A	-	A	A	-	B	A	A	-	A	-	-	B	A	D	B	A	A	A	B	A	D
Isopropyl Amine	-	-	A	-	A	-	-	-	-	-	D	D	D	-	-	-	D	D	-	-	-	A	-	-	-	-
Isopropyl Benzene (Cumene)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	-	A	-	-	D	D
Isopropyl Chloride	D	-	A	-	A	A	A	A	-	D	B	B	D	-	-	-	D	D	-	D	D	A	-	C	-	D
Isopropyl Ether	A	-	-	-	A	A	A	D	C	D	C	D	B	-	-	A	B	B	A	D	B	A	D	C	A	B
Isotane	D	-	-	-	-	-	-	-	-	-	-	A	A	-	-	-	A	-	D	D	D	-	A	-	-	-
Jet Fuel (JP1 to JP6)	A	A	A	-	A	A	A	A	D	D	A	A	A	-	-	D	A	-	C	D	A	A	B	C	-	-
Jet Fuel JP-1	A	-	A	-	A	-	A	A	-	D	-	A	-	-	-	-	A	C	-	D	D	A	A	D	A	C
Jet Fuel JP-2	A	-	A	-	A	-	A	A	-	D	-	A	-	-	-	-	A	C	-	D	D	A	A	C	A	C
Jet Fuel JP-3	A	-	A	-	A	-	A	A	-	D	-	A	-	-	-	-	A	C	-	D	A	A	A	C	A	C
Jet Fuel JP-4	A	-	A	-	A	-	A	A	-	D	-	A	-	A	-	-	A	A	-	D	A	A	A	D	A	C
Jet Fuel JP-5	A	-	A	-	A	-	A	A	-	D	-	A	-	-	-	-	A	C	-	D	A	A	A	C	A	B
Jet Fuel JP-6	A	-	A	-	A	-	A	A	-	D	-	A	-	-	-	-	A	C	-	D	D	A	A	C	A	C
Jet Fuel JP-X	A	-	A	-	A	-	A	A	-	D	-	D	-	-	-	-	A	A	-	B	D	A	A	C	A	-
Kel F Liquids	-	-	-	-	-	-	-	-	-	A	-	B	-	-	-	-	A	-	-	-	-	A	-	-	-	-
Kerosene	A	A	A	-	A	A	B	A	D	D	A	A	A	C	-	D	A	A	A	A	B	A	A	C	C	B
Ketones	B	-	-	-	A	A	A	D	-	A	-	D	D	D	-	A	D	D	A	D	C	A	C	C	C	D
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Keystone #87HX-Grease	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	D	-	A	-	-	A	A
Lacquer Solvents	A	-	B	-	A	A	A	B	-	D	D	D	-	B	-	-	D	A	B	D	C	A	D	C	A	D
Lacquer Thinners	A	C	C	-	A	A	A	D	D	D	-	D	D	D	-	D	D	-	A	D	D	A	-	-	-	-
Lacquers	A	C	C	-	A	A	A	D	D	D	D	D	D	D	-	D	D	D	A	D	D	A	D	C	A	D
Lactam-Amino Acids	-	-	-	-	-	-	-	-	-	B	-	D	-	-	-	-	D	-	-	B	-	A	-	-	-	-
Lactic Acid	B	D	D	-	B	B	B	B	A	A	A	A	B	D	-	A	A	-	B	A	B	A	B	A	A	-
Lactic Acid - 5% Solution	C	-	D	-	A	-	B	A	-	A	-	A	-	D	-	-	A	B	-	A	A	A	A	A	A	B
Lactol	A	-	A	-	A	-	A	A	-	-	A	A	-	-	-	-	C	-	-	D	D	A	-	-	-	-
Lard	A	A	A	-	A	A	A	A	B	D	A	A	A	-	-	D	A	-	A	D	B	A	A	B	A	-
Lard Oil (Hot)	A	-	A	-	A	-	A	A	-	B	-	A	-	B	-	-	A	-	-	A	B	A	A	B	A	C
Latex	A	-	-	-	A	A	A	B	-	A	-	A	A	-	-	-	A	A	A	B	A	A	A	A	-	D
Lauryl Alcohol (N-Dodecanol)	A	-	A	-	A	-	A	-	-	-	B	B	-	-	-	-	A	-	-	-	-	A	-	A	A	D
Lavender Oil	-	-	-	-	-	-	-	-	-	D	B	B	B	-	-	-	B	B	-	D	-	A	-	B	-	-
Lead Acetate	D	A	A	-	B	B	B	B	D	A	D	D	B	-	-	A	B	B	A	A	A	A	A	A	A	D
Lead Chloride	D	-	-	-	B	-	B	-	-	A	-	A	-	-	-	-	A	-	-	B	A	A	A	-	-	-
Lead Nitrate	D	-	B	-	B	B	B	-	-	A	A	A	B	-	-	A	A	A	-	A	A	A	A	-	A	-
Lead Sulfamate	C	-	-	-	C	C	-	A	A	A	-	A	B	-	-	B	B	A	B	A	A	B	A	A	-	-
Lehigh X1169	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	B	-	A	-	-	-	A
Lehigh X1170	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	B	-	A	-	-	-	A
Lemon Oil	A	-	A	-	A	A	A	D	-	D	-	A	-	-	-	-	C	-	-	D	D	A	A	C	-	-
Light Grease	-	-	-	-	-	-	-	A	-	D	-	A	-	-	-	-	A	-	-	D	-	A	-	-	-	A
Lignin Liquor	-	-	-	-	A	-	-	-	-	D	A	A	-	-	-	-	A	-	-	A	-	A	-	-	-	D
Ligroin	D	-	A	-	A	A	-	B	C	D	A	A	A	-	-	D	A	B	D	B	A	A	A	B	-	C
Lime	A	A	A	-	A	A	-	B	-	D	-	A	-	A	-	-	A	A	A	A	B	A	A	A	-	B
Lime Bleach	D	-	-	-	A	A	-	-	-	A	A	A	-	-	-	-	A	B	-	C	B	A	-	A	-	-
Lime Slurries	B	-	-	-	B	-	-	-	-	C	B	D	-	-	-	-	B	A	-	A	-	A	-	A	-	B
Lime Sulfur	D	-	-	-	A	A	-	-	-	A	A	A	-	-	-	-	D	A	B	A	A	A	A	B	A	A
Lime, Soda (Slaked Lime & Soda Ash)	-	-	-	-	-	-	-	-	-	A	B	-	B	-	-	-	B	-	-	B	-	A	-	A	-	-
Limonene	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	D	D	-	D	-	A	-	-	-	-
Lindol, Hydraulic Fluid	-	-	-	-	-	-	-	-	-	A	B	B	-	-	-	-	D	D	-	D	-	A	-	A	-	D
Linoleic Acid	A	-	D	-	B	A	A	B	D	D	B	B	B	-	-	D	B	B	-	D	B	A	A	B	A	-
Liquid Oxygen	-	-	-	-	-	-	-	-	-	D	-	D	-	-	-	-	D	D	-	D	-	A	-	-	-	D
Liquid Petroleum Gas (LPG)	-	-	-	-	-	-	A	A	-	D	-	A	-	B	-	-	A	D	-	C	D	A	-	C	-	C
Liquimoly	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	A	-	B	-	A	-	-	-	B
Lithium Bromide	-	-	A	-	-	-	-	-	-	A	A	A	-	-	-	-	A	A	-	D	-	A	A	-	-	D
Lithium Chloride	D	A	A	-	A	A	A	A	-	A	-	A	A	-	-	B	A	A	-	A	A	A	A	-	D	D
Lithium Hydroxide	D	-	B	-	B	B	B	-	-	A	-	C	D	-	-	-	C	D	-	D	A	A	-	-	D	D
Lubricants (Petroleum)	C	-	A	-	A	A	A	A	-	D	A	B	A	A	-	-	A	B	A	B	D	A	A	D	B	B
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Lubricating Oil	A	A	A	-	A	A	A	A	A	D	-	A	-	A	-	D	A	-	A	D	A	A	A	-	-	-
Lubricating Oil Di-Ester	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	B	A	-	C	-	A	-	D	A	D
Lubricating Oil SAE 10, 20, 30, 40, 50	A	-	A	-	A	-	A	A	-	D	-	A	-	A	-	-	A	A	-	D	C	A	A	D	A	A
Lye (Calcium Hydroxide)	C	A	A	-	B	B	A	D	A	A	-	B	-	B	-	B	A	-	A	A	A	A	A	-	-	-
Lye (Potassium Hydroxide)	D	B	B	-	B	A	B	A	A	A	B	B	D	D	-	B	B	-	C	B	A	A	A	A	A	-
Lye (Sodium Hydroxide)	D	D	D	-	B	B	C	C	A	B	-	B	-	C	-	A	A	-	A	B	A	A	D	-	-	-
Lye Solutions	-	-	-	-	A	A	-	D	-	A	-	B	-	C	-	-	D	B	A	B	A	A	A	A	A	B
Lysol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	B	-	B	-	A	-	-	-	-
Maganese Chloride	-	-	D	-	-	-	B	-	-	C	-	A	-	-	-	-	A	A	-	B	A	A	-	-	A	B
Magnesium Bisulfate	D	-	-	-	A	A	-	-	-	-	-	-	B	-	-	B	B	-	A	B	A	A	-	-	-	-
Magnesium Bisulfite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	C	-	B	-	A	-	-	-	-
Magnesium Carbonate	A	-	B	-	B	B	B	A	A	A	A	A	A	-	-	-	A	A	A	A	A	A	A	A	A	B
Magnesium Chloride	D	D	D	-	D	D	A	B	A	A	A	A	A	C	-	A	A	A	A	A	A	A	A	A	A	-
Magnesium Hydroxide (Milk of	C	A	A	-	B	A	A	A	A	A	A	A	B	C	-	A	A	A	B	A	A	A	A	A	A	A
Magnesium Nitrate	B	D	D	-	B	B	A	A	A	A	A	A	A	-	-	A	A	A	A	A	A	A	A	A	A	B
Magnesium Oxide	B	A	A	-	A	A	A	A	-	A	B	C	A	-	-	-	A	A	-	A	-	A	-	A	-	-
Magnesium Salts	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	A	-	A	-	A	-	A	-	A
Magnesium Sulfate	B	A	A	-	A	B	B	B	A	A	A	A	-	B	-	B	A	B	A	A	A	A	A	A	B	D
Magnesium Sulfite	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	B	-	A	-	A	-	A	-	-
Malathlon	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	B	-	-	-	-	A	-	-	-	D
Maleic Acid	B	A	A	-	A	B	B	A	D	D	A	A	D	-	-	B	D	A	A	D	A	A	A	A	A	D
Maleic Anhydride	A	-	B	-	A	A	A	D	D	D	A	A	D	-	-	D	D	D	-	D	D	A	A	A	-	-
Malic Acid	B	-	D	-	A	A	B	A	D	D	A	A	B	-	-	B	A	B	A	D	A	A	A	A	-	-
Malt Beverages	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	B	-	A	-	A	-	A	A	B
Manganese Sulfate	B	A	A	-	B	B	A	A	-	A	-	A	A	-	-	A	A	-	A	A	-	A	A	-	-	-
Maple Sugar Liquors (Sucrose)	-	-	-	-	A	-	-	-	-	A	A	A	A	-	-	-	A	A	-	A	-	A	-	A	-	D
Mash	A	-	-	-	A	A	-	A	-	A	-	A	A	-	-	-	A	A	A	A	-	-	-	A	-	A
Mayonnaise	A	D	D	-	C	A	A	A	-	D	-	A	A	-	-	D	C	A	A	A	A	A	A	A	A	D
MCS 312	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	-	A	-	-	-	-
MCS 352	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	D	D	-	D	-	A	-	-	-	D
MCS 463	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	D	D	-	D	-	A	-	-	-	D
Melamine	-	D	D	-	-	D	-	A	-	A	-	A	D	-	-	-	C	-	A	D	A	A	-	-	-	-
Melamine Resins	-	-	-	-	D	-	A	A	-	A	-	A	-	-	-	-	C	C	-	D	-	A	-	B	-	D
Mercaptan	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	D	D	-	D	-	A	-	-	-	D
Mercuric Chloride	D	-	D	-	D	-	B	B	-	A	A	A	A	B	-	-	A	A	D	B	A	A	A	A	A	A
Mercuric Chloride (Dilute Solution)	D	D	D	-	D	D	C	B	A	A	-	A	-	B	-	A	A	-	D	A	B	A	A	-	-	-
Mercuric Cyanide	D	C	C	-	C	C	A	-	-	A	A	A	A	D	-	-	A	A	A	A	B	B	A	A	A	-
Mercurous Nitrate	D	-	B	-	A	A	A	-	-	A	A	A	B	-	-	B	B	B	-	B	A	A	A	-	A	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Mercury	D	A	A	-	A	A	A	A	A	A	A	A	A	B	-	A	A	A	A	A	B	A	A	A	A	A
Mesityl Oxide	A	-	A	-	A	A	A	-	-	B	D	D	D	-	-	-	D	D	-	D	-	A	-	C	-	D
Methane	A	-	A	-	A	A	A	A	B	D	A	A	A	B	-	D	A	B	A	B	A	A	A	C	-	C
Methanol	A	A	A	-	A	A	A	A	A	A	-	C	-	B	-	A	A	A	B	A	A	A	A	A	A	D
Methyl	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	A	A	A	-	A	B	A	B	D	B	D	D	D	C	-	D	D	D	A	B	D	A	B	B	-	D
Methyl Acetoacetate	-	-	A	-	A	-	A	-	-	B	D	D	-	-	-	-	D	D	-	D	-	A	-	-	-	D
Methyl Acetone	A	A	A	-	A	A	A	D	-	A	-	D	D	-	-	A	D	D	A	D	D	A	D	B	-	-
Methyl Acrylate	-	A	A	-	A	-	-	B	D	B	D	D	D	-	-	D	D	D	-	B	D	A	B	D	-	D
Methyl Acrylic Acid	-	-	-	-	-	-	-	A	-	C	D	C	-	-	-	-	D	-	-	C	-	A	-	A	-	D
Methyl Alchol (Methanol)	B	-	A	-	A	-	A	-	-	D	D	-	-	-	-	-	A	-	-	A	A	A	A	A	A	-
Methyl Alcohol	B	-	A	-	B	-	A	A	-	A	B	C	-	A	-	-	A	A	D	C	A	A	A	A	A	D
Methyl Alcohol 10%	A	A	A	-	A	A	A	A	A	A	-	C	-	B	-	A	A	-	B	A	A	A	A	-	-	-
Methyl Amine	B	-	B	-	A	-	B	A	-	A	A	C	B	-	-	-	B	B	-	C	D	A	C	-	-	-
Methyl Amyl Acetate	A	-	A	-	A	-	A	-	-	-	D	-	A	-	-	-	A	-	-	-	-	A	-	-	-	-
Methyl Amyl Alcohol	A	-	A	-	A	-	A	-	-	-	D	D	-	-	-	-	A	B	-	D	-	A	-	-	-	-
Methyl Aniline	-	-	-	-	-	-	-	-	-	D	-	B	-	-	-	-	D	D	-	B	-	A	-	-	-	D
Methyl Benzoate	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	A	-	A	-	-	-	D
Methyl Bromide	D	A	A	-	A	A	B	D	D	D	A	A	B	-	-	D	B	B	B	D	C	A	A	D	C	D
Methyl Butyl Ketone	A	-	-	-	A	A	-	D	D	A	D	D	D	-	-	D	D	D	D	D	D	A	D	C	-	D
Methyl Butyrate	A	-	A	-	A	-	A	-	-	D	-	-	D	-	-	-	D	D	-	D	-	A	-	-	-	-
Methyl Carbonate	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	-	A	-	-	-	D
Methyl Cellosolve	B	C	C	-	B	B	-	D	D	B	D	D	D	-	-	D	A	C	C	B	B	A	A	B	-	D
Methyl Cellulose	-	-	-	-	-	-	-	-	-	B	-	D	-	-	-	-	B	B	-	B	-	A	-	-	-	B
Methyl Chloride	D	D	D	-	A	A	B	B	D	D	B	A	D	D	-	D	D	D	B	D	D	A	A	D	C	D
Methyl Chloroformate	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	-	A	-	-	-	D
Methyl Cyanide	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	C	C	-	A	-	A	-	-	-	-
Methyl Cyclopentane	-	-	-	-	A	-	-	A	-	D	A	A	-	-	-	-	D	D	-	D	-	A	-	C	A	D
Methyl D-Bromide	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	D	D	-	D	-	A	-	-	-	D
Methyl Dichloride	D	-	-	-	-	-	-	D	-	D	A	A	D	-	-	-	D	D	C	D	D	A	D	D	-	-
Methyl Ether	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	-	-	C	-	A	-	-	-	-
Methyl Ethyl Ketone (MEK)	B	A	A	-	A	A	A	C	D	A	D	D	D	B	-	D	D	B	A	D	B	A	D	B	D	D
Methyl Ethyl Ketone Peroxide	-	-	-	-	-	-	-	-	D	D	-	D	-	-	-	D	D	-	-	D	-	-	-	-	-	-
Methyl Formate	A	-	B	-	B	B	-	A	-	C	D	D	D	-	-	-	D	D	-	B	-	A	-	B	-	D
Methyl Hexane	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	A	-	-	B	-	A	-	-	-	-
Methyl Iodide	D	-	A	-	A	-	A	-	-	A	-	-	D	-	-	-	D	D	-	D	-	A	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	B	C	C	-	B	B	A	A	D	B	D	D	D	B	-	D	D	-	B	D	A	A	D	C	-	-
Methyl Isopropyl Ketone	A	C	C	-	A	A	-	A	D	C	D	D	D	-	-	D	D	D	A	D	C	A	A	C	C	D
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Methyl Methacrylate	B	C	C	-	B	B	-	D	D	D	C	D	D	-	-	D	D	D	-	D	D	A	B	B	-	D
Methyl Oleate	-	-	-	-	-	-	-	A	-	C	D	B	-	-	-	-	D	D	-	D	-	A	-	C	-	-
Methyl Propyl Salicylate	A	-	A	-	-	-	-	A	-	B	-	B	-	-	-	-	D	D	-	D	B	A	B	B	-	-
Methyl Salicylate (Betula Oil)	A	-	A	-	-	-	-	-	-	C	B	B	D	-	-	-	D	-	-	D	B	A	B	B	-	-
Methylacrylic Acid	-	-	-	-	-	-	-	-	-	-	B	B	-	-	-	-	-	-	-	B	-	A	-	A	-	-
Methylamine	A	A	A	-	A	A	B	D	-	A	A	D	-	-	-	B	B	-	-	A	A	A	C	A	-	-
Methylene Bromide	D	-	A	-	A	-	A	-	-	D	B	C	D	-	-	-	D	D	-	D	-	A	A	-	-	-
Methylene Chloride	C	B	B	-	B	B	B	B	-	C	B	B	D	D	-	B	D	C	C	D	B	A	B	D	D	D
Methylene Dichloride	-	-	-	-	-	-	-	-	-	D	-	B	-	-	-	-	D	D	-	D	-	A	-	-	-	D
Milk	A	D	D	-	A	A	A	A	A	A	A	A	A	B	-	A	A	A	A	A	B	A	A	A	A	D
Mine Water	B	-	A	-	B	-	A	A	-	A	-	A	-	-	-	-	A	A	-	C	A	A	A	B	A	D
Mineral Oil	A	-	A	-	A	A	A	A	B	D	A	A	A	A	-	D	A	A	A	B	A	A	A	D	A	A
Mineral Spirits	A	B	B	-	A	A	B	A	C	D	-	A	A	-	-	D	A	-	A	C	B	A	-	-	-	-
Mixed Acids	D	-	D	-	B	-	B	-	-	B	A	-	-	-	-	-	D	-	C	D	D	A	A	-	-	-
MLO-7277 Hydr.	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	C	-	-	D	-	A	-	-	-	D
MLO-75557	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	C	-	-	D	-	A	-	-	-	D
MLO-8200 Hydr.	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	-	-	A	-	A	-	-	-	A
MLO-8515	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	-	-	B	-	A	-	-	-	D
Molasses	A	B	B	-	A	A	A	A	-	A	A	A	A	B	-	A	A	A	A	A	B	A	B	A	A	B
Monochloroacetic acid	D	D	D	-	A	A	A	D	A	C	-	C	-	D	-	-	D	D	D	A	A	A	B	D	D	D
Monochlorobenzene	D	-	A	-	A	A	-	A	-	D	A	A	-	C	-	-	D	D	B	D	D	A	A	D	B	D
Monochlorodifluoro Methane	A	-	A	-	A	-	-	-	-	A	-	D	-	D	-	-	D	D	-	A	A	A	A	D	-	D
Monoethanol Amine	B	A	A	-	A	A	-	D	D	B	C	D	B	D	-	B	B	D	A	D	B	A	C	A	-	D
Monomethyl Aniline	-	-	-	-	-	-	-	-	-	D	-	C	-	D	-	-	D	D	-	D	C	A	-	B	A	D
Monomethyl Hydrazine	-	-	-	-	-	-	-	-	-	A	-	-	-	D	-	-	B	B	-	B	-	A	-	-	A	-
Monomethylether	-	-	-	-	-	-	-	-	-	A	-	A	-	D	-	-	A	A	-	B	-	A	-	C	-	-
Mononitrololuene & Dicitrotoluene (40/60 Mixture)	-	-	-	-	-	-	-	-	-	D	-	C	-	D	-	-	D	A	-	D	-	A	-	-	-	D
Monovinyl Acetylene	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	A	-	-	B	-	A	-	-	-	-
Morpholine	A	-	-	-	-	A	A	-	-	D	-	-	D	-	-	A	D	-	A	D	B	A	B	-	-	-
Motor Oil	A	-	-	-	A	A	-	B	-	D	-	-	A	B	-	-	A	-	A	B	A	A	B	-	-	-
Muriatic Acid (10%-20% HCL)	D	-	D	-	D	-	A	D	-	A	-	A	-	D	-	-	D	B	-	D	A	A	A	A	A	B
Mustard	B	D	D	-	A	A	A	C	-	A	D	D	B	B	-	B	B	B	A	A	A	A	A	A	A	B
N,N-Dimethyl Formamide (DMF)	A	-	-	-	A	-	A	B	-	-	D	-	-	-	-	-	C	-	A	D	A	A	A	A	-	-
N,N-Dimethylaniline	B	-	B	-	-	-	-	-	-	C	D	-	-	-	-	-	D	-	A	D	D	A	A	B	-	-
n-Amyl Amine	-	-	-	-	-	-	-	-	-	D	D	-	-	-	-	-	C	-	-	D	-	A	-	-	-	-
Napalm	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	B	B	-	-	-	-	-	-	-	B
Naphtha	A	B	B	-	A	A	B	A	D	D	A	A	A	B	-	D	A	A	A	D	B	B	A	C	A	C
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Naphtha Coal Tar (Benzol)	A	-	B	-	A	-	A	A	-	D	A	A	-	D	-	-	D	D	-	D	C	A	A	C	A	B
Naphthalene	B	A	A	-	A	A	A	A	D	D	A	A	D	B	-	D	D	D	A	D	B	A	A	C	B	B
Naphthoic Acid	B	-	B	-	A	-	B	-	-	D	A	-	B	-	-	-	B	-	-	-	-	A	-	-	-	-
Napthenic Acid	B	-	B	-	A	A	B	A	-	D	-	A	-	D	-	-	B	B	-	D	-	A	-	B	-	-
Natural Gas	A	A	A	-	A	A	-	B	-	D	-	A	A	B	-	-	A	A	-	A	A	A	-	C	-	C
n-Butyl Acetate	A	-	A	-	A	-	A	-	-	D	D	-	D	-	-	-	D	-	-	D	-	A	-	A	-	-
Neatsfoot Oil	A	-	A	-	A	A	-	B	-	C	A	A	B	D	-	-	A	A	-	D	-	A	-	B	-	A
Neohexane	-	-	-	-	-	-	-	-	-	-	A	A	-	D	-	-	A	A	-	-	-	A	-	-	-	-
Neosol	B	-	B	-	A	-	A	-	-	B	C	C	-	D	-	-	A	A	-	A	-	A	-	-	-	-
Neville Acid	-	-	-	-	-	-	-	-	-	C	B	A	-	D	-	-	D	D	-	D	-	A	-	A	-	-
N-Hexaldehyde	A	-	A	-	A	A	-	-	-	A	-	D	-	D	-	-	D	D	-	A	-	A	-	C	A	B
N-Hexene-1	A	-	A	-	A	-	A	C	-	D	A	A	-	-	-	-	A	-	A	B	C	A	A	C	B	-
Nickel Acetate	D	-	-	-	A	-	-	-	-	A	D	D	B	-	-	-	B	B	-	B	A	A	A	A	-	D
Nickel Ammonium Sulfate	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	C	-	A	-	A	-	A	-	-
Nickel Chloride	D	D	D	-	D	C	B	A	A	A	A	A	A	D	-	A	A	A	C	B	A	A	A	A	A	A
Nickel Nitrate	D	C	C	-	B	B	B	D	D	A	A	A	A	-	-	A	A	A	A	A	A	A	A	A	A	A
Nickel Salts	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	A	-	B	-	A	-	A	-	A
Nickel Sulfate	D	D	D	-	B	B	B	A	A	A	A	A	A	D	-	B	A	A	A	A	A	A	A	A	A	A
Nicotine	-	-	-	-	-	-	-	-	-	-	-	A	-	B	-	-	-	A	-	C	-	A	-	-	-	A
Nicotinic Acid	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	A	A	-	A	-	A	-	-	-	-
Niter Cake	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	A	-	A	-	A	-	A	A	A
Nitrana (Ammonia Fertilizer)	-	-	-	-	A	-	-	-	-	-	C	C	-	-	-	-	B	B	-	B	-	A	-	-	-	-
Nitrating Acid (<15% HNO3)	D	C	C	-	C	D	A	-	-	-	-	-	-	-	-	C	-	-	-	A	C	A	-	-	-	-
Nitrating Acid (>15% H2SO4)	D	C	C	-	C	C	A	D	-	A	-	-	-	-	-	C	D	-	-	A	C	A	-	-	-	-
Nitrating Acid (S1% Acid)	D	-	-	-	C	A	A	-	-	-	-	-	-	-	-	C	-	-	-	A	C	A	-	-	-	-
Nitrating Acid (S15% H2SO4)	D	A	A	-	C	C	A	-	-	-	-	-	-	-	-	C	-	-	-	A	C	A	-	-	-	-
Nitric Acid - 10%	A	-	D	-	A	-	A	-	-	B	A	-	D	-	-	-	D	-	D	B	A	A	A	A	A	-
Nitric Acid - 20%	D	D	D	-	A	A	A	D	D	A	-	A	D	D	-	D	D	B	D	D	A	A	A	B	A	C
Nitric Acid - 25%	D	-	D	-	A	-	A	-	-	B	A	-	-	-	-	-	D	-	D	C	A	A	A	B	A	-
Nitric Acid - 30%	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitric Acid - 35%	D	-	D	-	A	-	A	-	-	C	A	-	-	-	-	-	D	-	D	D	B	A	A	-	C	-
Nitric Acid - 50%	D	D	D	-	A	A	A	D	D	D	A	A	D	D	-	D	D	C	D	D	B	A	A	C	D	C
Nitric Acid - 65%	D	-	D	-	A	-	D	D	-	D	-	A	-	D	-	-	D	D	-	D	D	A	A	C	D	C
Nitric Acid - 70%	-	-	D	-	A	-	D	-	-	D	A	-	D	-	-	-	D	-	D	D	-	A	A	-	D	-
Nitric Acid (5-10% Solution)	A	D	D	-	A	A	A	D	B	A	-	A	-	C	-	D	D	A	D	B	A	A	A	A	A	C
Nitric Acid (Conc.)	D	D	D	-	A	A	B	D	D	D	B	A	D	D	-	D	D	D	D	D	D	A	A	C	D	D
Nitric Acid (Red Fuming)	D	-	D	-	A	A	B	C	-	D	B	B	D	D	-	-	D	-	D	D	D	A	D	D	D	D
Nitro Ethane	A	-	A	-	-	A	-	-	-	-	-	C	-	-	-	-	D	-	-	C	C	A	-	-	-	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Nitrobenzene	B	C	C	-	B	B	D	C	D	B	B	B	D	D	-	D	D	D	B	D	B	A	A	B	D	D
Nitroethane	A	-	A	-	A	-	A	B	-	C	D	D	D	-	-	-	D	D	-	C	C	A	A	A	A	D
Nitrogen	A	-	A	-	A	A	A	A	-	A	-	A	-	B	-	-	A	A	-	A	A	A	A	A	-	A
Nitrogen Fertilizer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-
Nitrogen Tetroxide	D	-	D	-	A	-	A	-	-	D	C	D	D	B	-	-	D	D	-	D	D	A	C	D	A	D
Nitroglycerine	-	-	-	-	-	-	-	-	-	A	-	A	-	D	-	-	A	-	-	A	-	A	-	A	-	A
Nitromethane	A	-	A	-	A	A	A	A	-	B	D	D	D	C	-	B	D	D	B	D	B	A	A	A	A	D
Nitropropane	A	-	A	-	A	-	A	-	-	B	D	D	D	-	-	-	D	-	-	D	-	A	-	B	A	D
Nitrous Acid	D	-	D	-	B	B	D	-	-	A	-	B	-	-	-	C	D	D	-	D	A	A	B	-	-	-
Nitrous Oxide	B	-	B	-	B	B	B	-	-	A	-	B	-	-	-	A	A	A	C	A	D	A	D	-	-	B
N-Methyl Aniline	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	D	-	-	D	C	A	-	-	-	-
N-Octane	-	-	-	-	-	-	-	-	-	D	A	A	A	-	-	-	B	D	A	D	D	A	A	B	-	D
n-Propyl Acetate	A	-	-	-	A	-	A	-	-	A	D	-	D	-	-	-	D	-	-	D	C	A	A	B	-	-
n-Propyl Nitrate (NPN)	A	-	D	-	-	-	-	-	-	B	C	-	A	-	-	-	A	-	-	-	-	A	-	B	-	-
o-Chlorophenol	B	-	B	-	B	-	B	B	-	D	B	-	-	-	-	-	D	-	D	D	-	A	A	-	-	-
Octachlorotoluene	D	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	D	D	-	D	D	A	-	-	-	D
Octadecane	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	A	-	-	B	-	A	-	B	-	A
Octyl Acetate	A	-	-	-	A	-	-	-	-	-	D	D	B	-	-	-	D	D	-	-	-	A	-	-	-	-
Octyl Alcohol	A	-	-	-	A	-	A	-	-	B	A	B	-	-	-	-	B	B	-	B	-	A	-	B	-	D
O-Dichlorobenzene	D	-	B	-	B	B	A	-	-	D	A	A	D	-	-	-	D	-	-	D	B	A	A	D	-	-
Oils: Aniline	D	A	A	-	A	A	B	D	D	B	-	C	D	D	-	D	D	D	A	D	A	A	A	C	-	D
Oils: Anise	-	A	A	-	-	A	-	D	-	-	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-
Oils: Bay	-	A	A	-	-	A	-	D	-	-	-	A	-	-	-	-	-	-	-	D	-	-	A	-	-	-
Oils: Bone	-	A	A	-	-	A	-	D	-	-	-	A	A	-	-	-	A	-	-	D	A	A	A	-	-	-
Oils: Castor	A	A	A	-	A	A	A	A	B	A	A	A	A	B	-	A	B	B	A	A	A	A	A	B	A	A
Oils: Cinnamon	-	-	D	-	A	A	-	D	-	-	-	A	-	-	-	-	-	-	-	C	D	A	-	C	D	-
Oils: Citric	C	D	D	-	A	A	-	B	-	B	A	A	D	-	-	-	A	B	-	D	A	A	-	C	-	-
Oils: Clove	B	-	D	-	A	A	A	-	-	-	-	A	A	-	-	-	A	-	-	C	B	A	-	C	A	-
Oils: Coconut	A	A	A	-	A	A	A	A	C	D	A	A	A	-	-	D	A	B	-	C	A	A	A	B	A	C
Oils: Cod Liver	A	-	D	-	A	A	A	B	B	A	A	A	A	-	-	D	A	-	-	B	A	A	A	C	A	A
Oils: Corn	A	A	A	-	A	A	A	A	B	C	A	B	A	A	-	D	D	B	A	A	A	A	A	D	A	A
Oils: Cottonseed	A	A	A	-	A	A	A	A	B	D	A	A	B	A	-	D	A	B	B	C	A	A	A	B	A	A
Oils: Creosote	B	-	-	-	B	B	B	D	D	D	-	A	A	D	-	D	D	-	D	C	C	A	-	-	-	-
Oils: Crude	A	-	A	-	A	-	B	D	-	D	-	A	A	B	-	-	B	C	-	B	B	A	A	C	A	D
Oils: Diesel Fuel (20,30,40,50)	A	A	A	-	A	A	B	D	B	D	-	A	B	A	-	D	A	-	A	B	A	A	A	-	-	-
Oils: Fish	-	-	-	-	-	-	-	-	-	D	A	A	B	B	-	-	A	A	-	B	-	A	-	B	A	B
Oils: Fuel (1,2,3,5A,5B,6)	C	A	A	-	A	A	A	D	D	D	-	B	D	A	-	D	B	-	A	D	B	A	B	-	-	-
Oils: Ginger	-	-	D	-	D	D	-	A	-	A	A	A	A	-	-	-	A	-	-	A	-	A	A	C	-	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Oils: Lavender	-	-	-	-	-	-	-	-	-	D	B	B	B	-	-	-	B	B	-	D	-	A	-	B	-	-
Oils: Lemon	A	-	A	-	A	A	A	D	-	D	-	A	-	-	-	-	C	-	-	D	D	A	A	C	-	-
Oils: Linseed	B	-	A	-	A	A	B	A	C	D	A	A	A	B	-	D	A	A	A	D	A	A	A	B	A	B
Oils: Mineral	A	-	A	-	A	A	A	A	B	D	A	A	A	A	-	D	A	A	A	B	A	A	A	D	A	A
Oils: Neatsfoot	A	-	A	-	A	A	-	B	-	C	A	A	B	D	-	-	A	A	-	D	-	A	-	B	-	A
Oils: Olive	A	-	A	-	A	A	A	A	B	D	A	A	A	-	-	D	D	D	A	B	A	A	B	B	A	A
Oils: Orange	A	-	-	-	A	A	A	D	-	-	-	A	A	-	-	-	A	-	-	C	A	-	A	-	-	-
Oils: Palm	B	A	A	-	A	A	A	A	-	A	B	A	A	-	-	-	A	-	C	D	A	A	A	B	A	A
Oils: Peanut	A	A	A	-	A	A	A	A	B	D	A	A	A	-	-	D	A	A	-	B	D	A	A	B	A	B
Oils: Peppermint	D	-	-	-	A	A	-	D	-	-	A	A	D	-	-	-	D	-	-	D	B	A	A	C	C	-
Oils: Pine	A	C	C	-	A	A	-	A	D	D	A	A	B	D	-	D	D	B	A	D	B	A	A	C	C	D
Oils: Rapeseed	-	A	A	-	A	A	A	A	D	A	A	A	A	-	-	D	D	-	-	B	D	A	A	B	D	B
Oils: Rosin	B	-	-	-	A	A	A	-	-	A	A	A	A	-	-	-	A	-	A	A	A	A	A	-	-	-
Oils: Sesame Seed	A	A	A	-	A	A	-	D	-	-	A	A	A	-	-	-	A	A	-	D	A	A	A	B	-	-
Oils: Silicone	A	A	A	-	A	A	A	A	A	A	A	A	A	A	-	D	A	A	A	D	A	A	A	C	A	A
Oils: Soybean	A	A	A	-	A	A	A	A	C	C	A	A	A	B	-	D	A	A	A	C	A	A	A	C	A	B
Oils: Sperm (whale)	-	A	A	-	A	A	A	D	-	D	A	A	A	-	-	-	A	-	-	D	A	A	A	B	-	-
Oils: Tanning	-	-	-	-	A	A	-	D	-	-	-	A	A	-	-	-	A	-	-	D	-	-	A	-	-	-
Oils: Transformer	A	-	A	-	A	A	A	A	-	D	A	A	B	-	-	D	A	B	A	B	B	A	A	D	A	A
Oils: Tung (Wood Oil)	A	-	B	-	A	B	A	A	-	D	A	B	A	B	-	-	A	B	-	C	A	A	B	A	C	
Oils: Turbine	A	A	A	-	A	A	-	A	D	A	-	A	B	-	-	D	B	-	A	D	B	A	A	-	-	A
Oils: Vegetable	A	-	B	-	A	-	A	A	-	A	A	A	B	-	-	-	B	A	A	C	D	A	A	B	D	A
Oleic Acid	A	-	C	-	A	A	A	A	C	B	B	B	B	A	-	D	B	D	A	C	B	A	A	B	A	B
Olein (Triolein)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	-	-	C	-	A	-	D	-	-
Oleum 100% (Fuming Sulfuric)	B	-	D	-	A	A	D	D	D	D	A	A	D	D	-	D	D	D	D	D	D	A	D	D	D	D
Oleum 25%	B	-	-	-	B	B	A	D	D	D	-	A	-	C	-	D	D	-	D	D	D	A	C	-	-	-
Oleum Spirits	D	-	D	-	B	B	-	-	-	D	-	A	-	B	-	-	C	D	-	D	D	A	D	D	A	C
Olive Oil	A	-	A	-	A	A	A	A	B	D	A	A	A	-	-	D	D	D	A	B	A	A	B	B	A	A
Oronite 8200	-	-	-	-	-	-	-	-	-	D	-	A	-	B	-	-	B	-	-	A	-	A	-	-	-	A
Oronite 9515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	-	-	-	-	A	-	-	-	-
Orthochloro Ethyl Benzene	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	-	-	D	-	A	-	-	-	D
Ortho-Dichlorobenzene	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	D	-	-	D	-	A	-	D	-	D
OS 45 Type 111 (OS45)	-	-	-	-	-	-	-	-	-	D	-	B	-	C	-	-	B	-	-	A	-	A	-	-	-	D
OS 45 Type IV (OS45-1)	-	-	-	-	-	-	-	-	-	D	-	B	-	-	-	-	B	-	-	A	-	A	-	-	-	D
OS 70	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	-	-	A	-	A	-	-	-	D
Oxalic Acid - 5% (Hot and Cold)	B	-	D	-	B	-	B	D	-	A	-	A	-	D	-	-	B	C	-	B	A	A	A	A	A	A
Oxalic Acid (cold)	A	C	C	-	B	A	B	B	B	A	C	A	D	D	-	B	D	-	B	D	A	A	B	A	A	-
Oxygen	A	-	A	-	-	A	-	-	-	-	-	A	-	-	-	-	C	-	B	A	C	A	A	-	-	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Oxygen - 200°-400°F	A	-	A	-	-	A	-	-	-	-	-	B	-	-	-	-	D	-	D	D	D	A	A	-	-	-
Ozone	B	-	A	-	B	A	A	C	A	A	A	A	D	C	-	D	D	-	D	C	B	A	A	A	B	A
Paint Thinner, Duco	D	-	A	-	A	A	A	A	-	D	B	B	-	-	-	-	D	D	-	D	D	A	-	C	-	D
Paints & Solvents	D	-	-	-	A	-	A	-	-	-	-	-	-	-	-	-	D	-	-	D	-	A	-	-	-	-
Palm Oil	B	A	A	-	A	A	A	A	-	A	B	A	A	-	-	-	A	-	C	D	A	A	A	B	A	A
Palmitic Acid	B	-	C	-	B	A	B	A	D	B	-	A	A	A	-	B	A	A	A	D	B	A	A	B	-	A
Para-Dichlorobenzene	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	-	-	D	-	A	-	-	-	D
Paraffin	A	-	-	-	A	A	B	A	-	D	-	B	A	-	-	B	B	A	A	B	A	A	A	A	A	A
Paraformaldehyde	A	-	A	-	A	-	A	-	-	A	C	C	B	-	-	-	B	-	-	B	-	A	-	-	-	-
Paraldehyde	A	-	A	-	A	-	A	-	-	A	D	D	-	-	-	-	D	-	-	D	-	A	-	-	-	-
P-Cymene	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	-	A	-	B	A	D
P-Dichlorobenzene	D	-	B	-	B	-	A	B	-	D	-	A	-	D	-	-	D	D	-	D	B	A	A	D	-	D
Peanut Oil	A	A	A	-	A	A	A	A	B	D	A	A	A	-	-	D	A	A	-	B	D	A	A	B	A	B
Pentachloroethane (Pentalin)	D	-	A	-	A	-	A	A	-	-	A	A	D	-	-	-	D	D	-	D	D	A	A	-	-	-
Pentachlorophenol (PCP)	A	-	A	-	A	-	A	-	-	D	A	A	D	-	-	-	D	-	-	D	-	A	-	-	-	D
Pentane	B	-	B	-	C	C	A	B	B	D	A	A	A	-	-	D	A	-	A	B	D	A	A	A	A	D
Peppermint Oil	D	-	-	-	A	A	-	D	-	-	A	A	D	-	-	-	D	-	-	D	B	A	A	C	C	-
Perchloric Acid	D	-	D	-	C	C	B	C	-	B	A	A	D	D	-	-	D	D	D	A	C	A	A	D	A	D
Perchloroethylene	C	A	A	-	B	A	B	B	D	D	A	A	D	C	-	D	C	D	C	D	D	A	A	D	B	D
Permachlor (Degreasing Fluid)	-	-	-	-	-	-	-	-	-	D	-	C	-	-	-	-	D	-	-	-	-	A	-	-	-	-
Petrolatum	B	-	-	-	A	A	A	B	-	A	-	A	A	-	-	C	A	A	D	A	D	C	A	-	-	D
Petroleum	D	-	-	-	A	A	-	B	D	D	-	A	-	B	-	D	A	-	A	B	B	A	A	-	-	-
Petroleum - Above 250 degF	A	-	A	-	-	A	-	-	-	-	-	B	-	-	-	-	C	-	D	D	-	A	-	-	-	-
Petroleum - Below 250 degF	A	-	A	-	-	A	-	-	-	-	-	A	-	-	-	-	A	-	A	B	A	A	A	-	-	-
Petroleum Ether	B	-	B	-	A	-	D	A	-	D	-	A	-	-	-	-	A	A	-	D	A	A	B	-	A	B
Petroleum Oil, Crude	B	-	B	-	A	-	A	A	-	D	A	A	-	A	-	-	B	C	A	C	D	A	A	C	A	A
Petroleum Oils (Refined)	-	-	-	-	-	-	-	A	-	D	-	A	-	A	-	-	A	B	-	B	B	A	A	C	A	B
Petroleum Oils (Sour)	B	-	B	-	A	-	A	A	-	D	-	A	-	B	-	-	B	C	-	B	B	A	A	C	A	B
Phenethyl Alcohol	A	-	A	-	A	-	A	-	-	B	D	-	-	-	-	-	D	-	-	D	-	A	-	-	-	-
Phenol	B	-	D	-	A	-	A	A	-	-	-	A	-	D	-	-	D	D	-	D	C	A	A	A	C	D
Phenol (10%)	A	D	D	-	B	B	B	D	B	-	A	A	-	-	-	A	D	-	D	D	B	A	A	-	-	-
Phenol (Carbolic Acid)	A	D	D	-	B	B	A	D	D	B	A	A	-	D	-	D	D	-	D	D	B	A	A	A	C	-
Phenol Sulfonic Acid	B	-	B	-	B	-	A	-	-	-	-	D	-	-	-	-	D	-	-	-	-	A	B	-	-	-
Phenyl Acetate	-	-	-	-	-	-	-	-	-	B	D	D	-	-	-	-	D	-	-	D	-	A	-	-	-	D
Phenyl Ethyl Ether	-	-	-	-	-	-	-	-	-	D	C	C	-	-	-	-	D	-	-	D	-	A	-	C	-	-
Phenyl Hydrazine	A	-	D	-	-	-	-	-	-	D	A	A	D	-	-	-	D	-	-	D	D	A	D	B	-	-
Phenyl Sulfonic Acid	B	-	B	-	B	-	-	-	-	-	D	-	D	-	-	-	D	-	-	-	-	A	-	-	-	-
Phenylbenzene	-	-	-	-	-	-	-	-	-	D	A	A	-	-	-	-	D	-	-	D	-	A	-	C	-	D
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Phorone (Diisopropylidene Acetone)	-	-	-	-	-	-	-	-	-	C	A	D	-	-	-	-	D	-	-	D	-	A	-	B	A	D
Phosphate Esters	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	D	-	-	D	-	A	-	-	-	D
Phosphoric Acid - 10%	D	-	D	-	A	-	-	-	-	A	A	-	-	-	-	-	A	-	D	B	A	A	A	A	A	-
Phosphoric Acid - 20%	D	-	D	-	A	B	A	D	-	A	A	A	D	-	-	-	C	-	D	B	A	A	A	A	A	C
Phosphoric Acid - 45%	D	-	D	-	-	B	-	-	-	-	-	A	-	-	-	-	D	-	D	B	A	A	A	-	-	-
Phosphoric Acid - 50%	D	-	D	-	A	-	C	-	-	B	A	-	D	-	-	-	D	-	D	B	A	A	A	B	A	-
Phosphoric Acid (Concentrated)	C	D	D	-	D	D	A	D	B	B	A	A	D	D	-	B	D	-	B	B	A	A	B	C	B	D
Phosphoric Acid (crude)	C	D	D	-	D	B	A	D	B	B	-	A	-	-	-	D	D	-	B	D	B	A	A	-	-	-
Phosphoric Acid (molten)	C	-	-	-	-	C	C	D	-	-	-	-	-	-	-	-	-	-	-	A	D	-	D	-	-	-
Phosphoric Acid (S40%)	C	D	D	-	D	C	A	D	B	B	-	A	-	-	-	B	D	-	B	B	A	A	B	-	-	-
Phosphoric Acid (To 40% Solution)	D	-	D	-	-	A	A	-	-	-	-	A	-	-	-	-	D	-	D	D	A	A	A	-	-	-
Phosphoric Acid Anhydride	C	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	D	-	-	A	A	-	D	-	-	-
Phosphoric Acid Crude	D	-	D	-	-	C	A	-	-	-	-	A	-	-	-	-	D	-	C	D	A	A	A	-	-	-
Phosphorous Oxychloride	B	-	B	-	B	-	B	-	-	-	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-
Phosphorous Trichloride Acid	D	-	B	-	A	A	A	D	-	A	-	A	-	-	-	-	D	D	-	D	D	A	A	B	A	-
Phosphorus	B	-	-	-	A	A	A	B	-	-	-	-	-	-	-	-	-	-	-	-	A	A	A	-	-	-
Phosphorus Trichloride	D	-	B	-	A	A	A	D	D	A	A	A	D	-	-	D	D	-	-	D	D	A	A	B	A	-
Photographic Developer	C	D	D	-	A	A	B	D	A	B	A	A	A	D	-	A	A	B	B	A	A	A	A	A	A	B
Photographic Solutions	-	-	-	-	D	-	B	D	A	A	-	B	-	B	-	B	B	-	A	B	A	A	B	-	-	-
Phthalic Acid	B	-	A	-	B	A	B	C	A	A	-	A	D	-	-	-	D	D	B	A	A	A	A	-	A	-
Phthalic Anhydride	A	-	-	-	A	A	A	C	-	A	-	A	D	-	-	A	D	-	-	A	D	A	A	-	-	-
Pickling Solution	-	-	-	-	-	-	A	D	-	D	B	B	-	D	-	-	D	D	-	D	-	A	-	A	A	C
Picric Acid	C	A	A	-	B	B	B	A	B	B	A	A	B	D	-	D	C	B	C	A	B	A	A	B	A	C
Pine Oil	A	C	C	-	A	A	-	A	D	D	A	A	B	D	-	D	D	B	A	D	B	A	A	C	C	D
Pinene	-	-	-	-	-	-	-	-	-	D	A	A	-	D	-	-	B	B	-	D	-	A	-	C	A	D
Piperidine	-	-	-	-	-	-	-	-	-	D	D	D	-	D	-	-	D	-	-	D	-	A	-	B	-	D
Pitch	-	-	-	-	-	-	-	-	-	D	-	A	-	D	-	-	A	A	-	D	-	A	-	-	-	D
Plating Solutions - Antimony	A	A	A	-	A	A	A	A	-	-	-	A	-	-	-	-	A	B	D	A	A	A	A	A	A	-
Plating Solutions - Arsenic	A	A	A	-	A	A	A	A	-	-	-	A	-	-	-	-	A	B	A	A	A	A	A	A	A	-
Plating Solutions - Brass	A	A	A	-	A	A	A	A	-	A	-	A	-	-	-	-	A	B	A	A	A	A	B	A	A	-
Plating Solutions - Brass (High-Speed Bath 110°F)	A	A	A	-	-	A	A	A	-	-	-	A	-	-	-	-	A	-	A	A	A	A	B	-	-	-
Plating Solutions - Bronze	A	A	A	-	A	A	A	A	-	A	-	A	-	-	-	-	A	B	A	A	A	A	A	A	A	-
Plating Solutions - Bronze (Cu-Sn Bronze Bath 160°F)	A	A	A	-	A	A	A	B	-	A	-	A	-	-	-	-	A	-	A	A	A	A	A	-	-	-
Plating Solutions - Bronze (Cu-Zn Bronze Bath 100°F)	A	A	A	-	A	A	A	A	-	-	-	A	-	-	-	-	A	-	A	A	A	A	A	-	-	-
Plating Solutions - Cadmium	C	-	-	-	-	-	D	-	-	-	-	A	-	-	-	-	A	-	A	A	A	A	A	-	-	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Plating Solutions - Cadmium (Cyanide Bath 90°F)	A	A	A	-	-	A	A	A	-	-	-	A	-	-	-	-	A	-	A	A	A	A	A	-	-	-
Plating Solutions - Cadmium (Fluoborate Bath 100°F)	A	D	D	-	A	A	D	C	-	-	-	A	-	-	-	-	B	-	D	C	A	A	A	-	-	-
Plating Solutions - Cadnium	C	-	A	-	A	-	A	D	-	B	-	A	-	-	-	-	B	B	B	A	A	A	A	A	A	-
Plating Solutions - Chrome	C	-	C	-	A	A	D	D	-	C	A	A	-	-	-	-	D	D	D	D	A	A	A	A	A	-
Plating Solutions - Chrome (Barrel Chrome Bath 95°F)	A	C	C	-	-	D	D	D	-	-	-	C	-	-	-	-	D	-	D	D	A	A	C	-	-	-
Plating Solutions - Chrome (Black Chrome Bath 115°F)	A	A	A	-	-	C	D	D	-	-	-	C	-	-	-	-	C	-	D	D	A	A	C	-	-	-
Plating Solutions - Chrome (Chromic-Sulfuric Bath 130°F)	A	A	A	-	-	C	D	D	-	-	-	C	-	-	-	-	D	-	D	D	A	A	C	-	-	-
Plating Solutions - Chrome (Fluoride Bath 130°F)	A	C	C	-	-	D	D	D	-	-	-	C	-	-	-	-	D	-	D	D	A	A	C	-	-	-
Plating Solutions - Chrome (Fluosilicate Bath 95°F)	A	C	C	-	-	C	D	D	-	-	-	C	-	-	-	-	D	-	D	D	D	A	C	-	-	-
Plating Solutions - Copper	C	-	A	-	A	-	D	-	-	A	-	A	-	-	-	-	A	B	A	A	A	A	A	A	A	D
Plating Solutions - Copper (Copper Fluoborate Bath 120°F)	A	D	D	-	A	D	D	C	-	-	-	A	-	-	-	-	B	-	D	C	A	A	A	-	-	-
Plating Solutions - Copper (Copper Sulfate Bath R.T.)	A	A	A	-	-	D	D	A	-	-	-	A	-	-	-	-	A	-	D	A	A	A	A	-	-	-
Plating Solutions - Copper (Electroless)	A	-	-	-	-	-	-	D	-	-	-	A	-	-	-	-	D	-	A	D	A	A	A	-	-	-
Plating Solutions - Copper (High-Speed Bath 180°F)	A	A	A	-	-	A	A	B	-	-	-	A	-	-	-	-	A	-	A	B	A	A	A	-	-	-
Plating Solutions - Copper	A	A	A	-	-	A	A	A	-	-	-	A	-	-	-	-	A	-	A	A	A	A	A	-	-	-
Plating Solutions - Copper (Rochelle Salt Bath 150°F)	A	A	A	-	-	A	A	B	-	-	-	A	-	-	-	-	A	-	A	B	A	A	A	-	-	-
Plating Solutions - Copper (Copper Strike Bath 120°F)	-	A	A	-	-	A	A	A	-	-	-	A	-	-	-	-	A	-	A	A	A	A	B	-	-	-
Plating Solutions - Gold	C	-	-	-	A	A	A	-	-	A	-	A	-	-	-	-	A	B	A	A	A	A	A	A	A	-
Plating Solutions - Gold (Acid 75°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	A	-	A	A	A	A	-	-	-	-
Plating Solutions - Gold (Cyanide	-	-	-	-	-	A	A	-	-	-	-	A	-	-	-	-	A	-	A	A	A	A	-	-	-	-
Plating Solutions - Gold (Neutral 75°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	A	-	A	A	A	A	-	-	-	-
Plating Solutions - Indium	C	-	-	-	A	C	A	-	-	-	-	A	-	-	-	-	A	B	D	A	A	A	-	A	A	-
Plating Solutions - Iron	C	-	-	-	A	A	A	-	-	-	-	A	-	-	-	-	A	B	D	A	A	A	A	A	A	-
Plating Solutions - Iron (Ferrous Chloride Bath 190°F)	-	-	-	-	-	D	D	-	-	-	-	A	-	-	-	-	B	-	D	D	C	A	-	-	-	-
Plating Solutions - Iron (Fluoborate Bath 145°F)	-	-	-	-	-	D	B	-	-	-	-	A	-	-	-	-	B	-	D	C	A	A	-	-	-	-
Plating Solutions - Iron (Sulfamate	-	-	-	-	-	D	B	-	-	-	-	A	-	-	-	-	A	-	D	A	A	A	-	-	-	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Plating Solutions - Iron (Sulfate-Chloride Bath 160°F)	-	-	-	-	-	D	D	-	-	-	-	A	-	-	-	-	B	-	D	C	A	A	-	-	-	-
Plating Solutions - Iron (Ferrous Am Sulfate Bath 150°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	A	-	D	B	A	A	-	-	-	-
Plating Solutions - Iron (Ferrous Sulfate Bath 150°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	A	-	D	B	A	A	-	-	-	-
Plating Solutions - Lead	C	-	-	-	-	C	A	A	-	A	-	A	-	-	-	-	B	C	D	A	A	A	A	A	C	-
Plating Solutions - Nickel	C	-	-	-	A	-	A	-	-	A	-	A	-	-	-	-	A	B	A	A	A	A	A	A	A	-
Plating Solutions - Nickel (Electroless 200°F)	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	D	-	D	D	D	A	-	-	-	-
Plating Solutions - Nickel (Fluoborate 100-170°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	B	-	D	A	A	A	-	-	-	-
Plating Solutions - Nickel (High-Chloride 130-160°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	A	-	D	B	A	A	-	-	-	-
Plating Solutions - Nickel (Sulfamate 100-140°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	A	-	A	A	A	A	-	-	-	-
Plating Solutions - Nickel (Watts Type 115-160°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	A	-	A	A	A	A	-	-	-	-
Plating Solutions - Others	-	-	-	-	A	-	-	-	-	A	B	-	-	-	-	-	A	-	-	C	-	A	-	A	A	-
Plating Solutions - Silver	C	-	-	-	A	A	A	-	-	A	-	A	-	-	-	-	A	B	A	A	A	A	A	A	A	-
Plating Solutions - Silver (80-120°F)	-	-	-	-	-	A	A	-	-	A	-	A	-	-	-	-	A	-	A	A	A	A	-	-	-	-
Plating Solutions - Tin	C	-	-	-	A	A	A	-	-	A	-	A	-	-	-	-	B	B	D	A	A	A	A	A	A	-
Plating Solutions - Tin (Fluoborate Plating 100°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	B	-	D	C	A	A	-	-	-	-
Plating Solutions - Tin (Lead Plating	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	B	-	D	C	A	A	-	-	-	-
Plating Solutions - Zinc	C	-	-	-	A	A	A	-	-	A	-	A	-	-	-	-	A	B	D	A	A	A	A	A	A	-
Plating Solutions - Zinc (Acid Chloride 140°F)	-	-	-	-	-	D	D	-	-	-	-	A	-	-	-	-	A	-	D	A	A	A	-	-	-	-
Plating Solutions - Zinc (Acid Fluoborate Bath R.T.)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	B	-	D	C	A	A	-	-	-	-
Plating Solutions - Zinc (Acid Sulfate Bath 150°F)	-	-	-	-	-	C	A	-	-	-	-	A	-	-	-	-	A	-	D	B	A	A	-	-	-	-
Plating Solutions - Zinc (Alkaline Cyanide Bath R.T.)	-	-	-	-	-	A	A	-	-	-	-	A	-	-	-	-	A	-	A	A	A	A	-	-	-	-
Plating Solutions - Rhodium Plating	-	-	-	-	-	D	D	-	-	A	-	A	-	-	-	-	A	-	D	B	A	A	-	-	-	-
Polyvinyl Acetate Emulsion	-	-	B	-	-	-	-	A	-	A	-	D	-	-	-	-	A	B	-	C	B	A	A	A	-	-
Potash (Potassium Carbonate)	D	C	C	-	B	B	B	B	-	A	-	A	A	D	-	A	A	-	A	A	A	A	A	-	-	-
Potassium Acetate	D	-	A	-	B	B	B	A	-	A	D	D	A	-	-	-	B	B	-	B	A	A	A	A	A	D
Potassium Bicarbonate	D	A	A	-	B	B	B	C	-	A	A	A	A	-	-	A	A	A	A	A	A	A	B	A	A	D
Potassium Bisulfate	A	-	D	-	A	-	-	-	-	-	A	-	A	-	-	-	A	-	-	A	A	A	A	-	A	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Potassium Bisulfite	B	-	-	-	B	-	B	-	-	A	A	A	A	-	-	-	A	A	-	A	A	A	-	-	-	A
Potassium Bromide	C	D	D	-	B	B	B	A	-	A	A	A	A	-	-	A	A	A	A	A	A	A	A	A	A	D
Potassium Carbonate (Potash)	D	-	B	-	B	A	B	B	-	A	A	A	-	D	-	-	A	A	C	B	A	A	A	A	A	D
Potassium Chlorate	B	C	C	-	B	B	B	B	-	A	A	A	A	-	-	-	A	A	C	A	A	A	A	A	A	A
Potassium Chloride	D	A	A	-	B	A	A	A	A	A	A	A	A	B	-	A	A	A	A	A	A	A	A	A	A	A
Potassium Chromate	B	A	A	-	B	B	A	C	-	A	A	A	A	-	-	B	A	A	B	A	A	A	B	A	A	B
Potassium Cyanide	D	B	B	-	B	B	B	C	A	A	A	A	A	B	-	A	A	A	A	B	A	A	A	A	A	A
Potassium Dichromate	B	A	A	-	B	B	B	A	A	A	A	A	A	C	-	B	A	A	B	A	A	A	A	A	A	B
Potassium Ferrocyanide	B	C	C	-	B	B	B	B	-	A	-	A	D	-	-	A	D	-	B	A	A	A	A	-	A	-
Potassium Hydroxide	D	B	B	-	B	A	B	A	A	A	B	B	-	D	-	B	B	A	C	B	A	A	A	A	A	B
Potassium Hypochlorite	D	A	A	-	C	B	B	D	A	A	-	D	A	-	-	C	A	B	B	B	D	A	A	-	-	B
Potassium Iodide	B	A	A	-	A	A	A	-	A	A	A	A	A	-	-	B	A	B	A	A	A	A	A	-	B	-
Potassium Nitrate	B	A	A	-	B	B	B	A	A	A	A	A	A	B	-	A	A	A	B	A	A	A	A	A	A	A
Potassium Nitrite	B	-	B	-	B	-	B	-	-	A	A	-	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Potassium Oxolate	B	A	A	-	B	B	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-
Potassium Permanganate	B	A	A	-	B	B	A	A	-	A	B	A	D	D	-	A	C	D	D	A	A	A	A	A	A	B
Potassium Phosphate	D	-	D	-	B	-	B	-	-	A	A	A	-	-	-	-	A	-	-	A	-	A	-	-	-	C
Potassium Salts	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	A	-	A	-	A	-	-	-	A
Potassium Silicate	B	-	B	-	B	-	B	-	-	A	A	-	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Potassium Sulfate	C	A	A	-	B	A	B	B	A	A	A	A	A	B	-	A	A	A	A	A	A	A	A	A	A	A
Potassium Sulfide	D	B	B	-	B	B	B	-	B	A	A	A	A	-	-	B	A	A	A	A	A	A	A	-	A	A
Potassium Sulfite	A	-	D	-	B	-	-	-	-	A	A	A	-	-	-	-	A	A	-	A	A	A	D	-	A	A
Potassium Triphosphate	-	-	-	-	-	-	-	-	-	B	-	-	-	A	-	-	-	A	-	-	-	D	-	-	A	A
PRL-High Temp. Hydr. Oil	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	B	-	B	-	A	-	-	A	B
Producer Gas	-	-	-	-	-	-	-	A	-	D	-	A	-	-	-	-	A	-	-	B	-	A	-	-	D	A
Propane (Liquified)	A	A	A	-	A	A	A	A	-	D	A	A	A	A	-	D	A	B	A	C	A	A	A	C	C	B
Propane Propionitrile	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	B	-	A	-	-	A	D
Propionaidehyde (Propanol)	A	-	A	-	A	-	A	-	-	A	D	D	-	-	-	-	D	-	-	D	-	A	-	-	-	D
Propionic Acid	A	-	D	-	B	-	A	-	-	A	A	D	-	-	-	-	D	-	-	D	-	A	-	A	-	D
Propyl Acetate	A	-	-	-	A	-	A	A	-	B	-	D	A	-	-	-	D	D	-	D	C	A	A	B	-	D
Propyl Alchol	A	-	-	-	A	-	A	-	-	-	A	-	-	-	-	-	A	-	-	A	A	A	A	A	A	-
Propyl Alcohol	A	-	A	-	A	-	A	A	-	A	A	A	-	-	-	-	B	B	D	B	A	A	A	A	A	D
Propyl Nitrate	B	-	D	-	A	-	-	A	-	B	-	D	-	-	-	-	D	-	-	D	C	A	D	B	-	D
Propylene	A	A	A	-	B	A	A	A	D	D	A	A	D	-	-	D	D	-	-	D	A	A	A	B	A	D
Propylene Dichloride	D	-	A	-	A	-	B	-	-	D	B	A	-	-	-	-	D	-	-	D	-	A	-	-	D	D
Propylene Glycol	B	A	A	-	B	B	B	B	A	A	A	A	-	-	-	A	A	A	A	C	A	A	A	A	A	B
Propylene Oxide	B	-	B	-	A	A	-	A	-	C	D	D	-	-	-	-	D	D	-	D	D	A	D	A	A	D
Pryanol, Transformer Oil	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	D	-	A	-	-	C	B
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
P-Tertiary Butyl Catechol	C	-	B	-	B	-	-	A	-	B	-	A	-	-	-	-	D	-	-	B	-	A	-	B	-	-
Pydraul	-	-	A	-	A	-	A	-	-	B	A	A	-	-	-	-	D	-	C	D	-	A	-	A	-	-
Pyranol	-	-	-	-	-	-	-	-	-	-	A	A	-	-	-	-	A	-	-	D	-	A	-	-	-	-
Pyridine	B	A	A	-	A	A	B	B	D	B	D	D	D	C	-	D	D	-	C	D	A	A	D	A	D	D
Pyrogallic Acid	B	D	D	-	B	B	B	D	-	B	-	A	-	-	-	-	D	-	-	A	A	A	A	-	C	D
Pyroligneous Acid (Wood Vinegar)	D	-	D	-	A	B	-	D	-	C	A	D	D	-	-	-	D	D	D	D	A	A	A	-	B	D
Pyrolube	-	-	-	-	-	-	-	-	-	B	-	A	-	-	-	-	D	-	-	D	-	A	-	A	-	D
Pyrrole	-	-	-	-	-	-	-	-	-	D	C	D	-	-	-	-	D	-	-	D	-	A	-	C	-	-
Quaternary Ammonium Salts	-	-	D	-	A	-	-	-	-	-	A	A	-	-	-	-	A	-	-	A	-	A	-	-	-	-
Quench Oil	A	-	-	-	A	-	A	-	-	D	A	A	-	-	-	-	B	-	-	D	-	A	-	-	-	A
Quinine Bisulphate (Dry)	D	-	D	-	B	-	A	D	-	A	-	A	-	-	-	-	A	D	-	A	D	A	D	-	A	A
Quinine Sulphate (Dry)	D	-	D	-	A	-	A	D	-	A	-	A	-	-	-	-	A	D	-	A	D	A	D	-	A	A
Radiation	-	-	-	-	-	-	-	D	-	C	-	D	-	-	-	-	B	-	-	C	-	A	-	-	-	B
Rapeseed Oil	-	A	A	-	A	A	A	A	D	A	A	A	A	-	-	D	D	-	-	B	D	A	A	B	D	B
Red Line Oil	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	C	-	A	-	-	-	A
Resorcinol	-	-	-	-	-	-	-	-	-	B	-	A	-	D	-	-	-	-	D	D	A	A	-	-	-	-
RJ-1 (Mil-F-25558)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	B	-	-	-	-	A	B
Rose Oil	-	-	-	-	A	-	-	-	-	-	A	A	-	-	-	-	-	-	-	C	-	A	-	A	-	A
Rosin	B	D	D	-	A	A	A	B	B	D	-	A	A	-	-	-	A	A	A	A	A	A	-	A	D	D
Rosin Oil	B	-	-	-	A	A	A	-	-	A	A	A	A	-	-	-	A	-	A	A	A	A	A	-	-	-
Rosin Paper Mill	A	-	D	-	A	-	A	B	-	A	-	A	-	-	-	-	A	-	-	A	A	A	-	A	D	D
Rotenone X	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	-	-	A	-	A	-	-	-	-
RP-1 (Mil-R-25576)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	C	-	-	-	-	A	C
Rubber Latex Emulsions	A	-	-	-	A	-	A	-	-	-	A	-	A	-	-	-	-	-	-	-	-	A	-	-	-	-
Rubber Solvents	A	-	-	-	A	-	A	-	-	-	D	-	-	-	-	-	D	-	-	C	-	A	-	-	-	-
Rum	-	-	-	-	A	A	A	A	A	B	A	A	-	-	A	A	A	A	A	A	A	A	-	A	-	D
Rust Inhibitors	-	C	C	-	A	A	-	A	-	-	A	A	A	-	-	-	A	A	-	C	A	-	-	B	-	A
Sal Ammoniac	D	-	D	-	B	A	A	D	-	A	A	A	-	A	-	-	A	-	B	A	A	A	A	A	A	A
Sal Soda	D	-	A	-	A	-	A	-	-	A	A	A	-	-	-	-	A	A	-	A	-	A	-	B	-	-
Salad Dressings	B	D	D	-	A	A	-	A	-	D	A	A	A	D	-	-	A	D	A	D	A	-	-	A	-	D
Salicylic Acid	B	A	A	-	B	B	A	D	A	A	B	A	B	-	-	A	B	A	A	D	A	A	A	A	A	-
Salt Brine	B	D	D	-	B	A	A	-	A	A	-	A	-	A	-	A	A	-	A	A	A	A	A	-	-	-
Salt Water	D	-	D	-	C	-	A	A	-	A	A	A	-	-	-	-	A	A	-	B	A	A	A	A	A	D
Sannic Fluorborate	D	-	D	-	-	-	-	C	-	-	-	A	-	-	-	-	A	-	-	A	-	-	-	-	-	-
Santo Safe 300	-	-	-	-	-	-	-	-	-	C	-	A	-	B	-	-	D	-	-	D	-	A	-	-	A	-
Sea Water	B	D	D	-	C	C	A	A	A	A	A	A	A	A	-	A	A	A	A	B	A	A	A	A	A	A
Sesame Seed Oil	A	A	A	-	A	A	-	D	-	-	A	A	A	-	-	-	A	A	-	D	A	A	A	B	-	-
Sewage	B	-	B	-	A	A	A	A	-	C	A	A	-	A	-	-	A	A	-	B	A	A	A	A	A	D
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Shellac	A	-	A	-	A	-	A	A	-	A	-	A	-	D	-	-	A	A	-	D	A	A	-	A	D	D
Shellac (Bleached)	A	A	A	-	A	A	-	A	A	A	-	A	A	-	-	A	A	-	A	B	A	A	-	-	-	-
Shellac (Orange)	A	A	A	-	A	A	-	A	-	A	-	A	-	-	-	D	A	-	A	D	A	A	-	-	-	-
Silicate Esters	-	-	-	-	-	-	-	-	-	D	A	A	-	C	-	-	B	A	-	B	-	A	-	B	D	B
Silicone	A	A	A	-	A	A	-	A	A	A	-	A	A	A	-	C	A	-	A	A	A	A	A	-	-	-
Silicone Grease	-	-	-	-	-	-	-	A	-	A	-	A	A	A	-	-	A	A	-	A	-	A	-	B	A	A
Silicone Oil	A	A	A	-	A	A	A	A	A	A	A	A	A	A	-	D	A	A	A	D	A	A	A	C	A	A
Silver Bromide	D	D	D	-	D	D	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-
Silver Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	A	A	-	-	-	-
Silver Cyanide	D	-	A	-	A	-	A	-	-	A	-	A	-	-	-	-	A	A	-	A	A	A	A	-	A	D
Silver Nitrate	D	C	C	-	B	B	A	A	A	A	A	A	B	D	-	A	B	C	A	A	A	A	A	A	A	A
Skydrol 500	-	-	-	-	A	-	A	A	-	A	-	D	D	A	-	-	D	D	C	D	-	A	-	B	-	D
Skydrol 7000	-	-	-	-	A	-	A	A	-	A	-	B	-	D	-	-	D	-	C	D	-	A	-	B	-	D
Skydrol Hydraulic Fluid	-	-	-	-	A	-	A	-	-	A	C	-	D	-	-	-	D	-	C	D	-	A	-	B	-	-
Soap Solutions	C	A	A	-	A	A	A	A	A	A	A	A	A	A	-	B	A	A	A	B	A	A	A	A	A	A
Soda Ash	D	B	B	-	A	A	A	A	A	A	A	A	-	B	-	A	A	-	B	A	A	A	A	A	-	-
Sodium Acetate	B	B	B	-	B	B	A	B	-	A	D	D	A	-	-	A	B	-	B	B	A	A	A	A	A	-
Sodium Acid Sulfate	-	-	B	-	-	-	-	-	-	A	-	A	-	-	-	-	A	A	-	A	A	A	-	A	A	A
Sodium Aluminate	C	A	A	-	A	A	B	B	A	A	A	A	A	-	-	B	A	A	A	A	A	A	A	A	-	-
Sodium Aluminum Sulfate	-	-	-	-	-	-	B	-	-	A	-	A	-	-	-	-	A	A	-	A	-	A	-	A	-	A
Sodium Benzoate	A	-	-	-	-	-	A	-	B	A	-	A	B	-	-	A	B	-	B	A	A	A	A	-	-	-
Sodium Bicarbonate	D	C	C	-	A	A	B	A	A	A	A	A	A	B	-	A	A	A	A	A	A	A	A	A	A	A
Sodium Bichromate	C	-	C	-	B	-	C	D	-	A	-	A	-	-	-	-	A	B	-	A	A	A	A	A	A	A
Sodium Bisulfate	D	D	D	-	D	C	B	B	A	A	-	A	A	C	-	A	B	A	A	A	A	A	A	A	A	A
Sodium Bisulfite	D	D	D	-	B	B	B	C	A	A	A	A	A	B	-	A	A	A	C	A	A	A	A	A	A	A
Sodium Borate (Borax)	C	-	B	-	B	B	A	C	A	A	A	A	-	B	-	A	A	A	A	A	A	A	A	A	A	A
Sodium Bromide	D	C	C	-	C	C	B	A	B	A	-	A	-	-	-	A	-	-	B	A	A	A	A	A	A	-
Sodium Carbonate	D	B	B	-	A	A	A	A	A	A	-	A	A	B	-	A	A	A	B	A	A	A	A	A	A	A
Sodium Chlorate	C	-	B	-	A	B	B	A	A	A	A	A	A	-	-	A	B	A	D	A	A	A	A	A	A	A
Sodium Chloride	C	D	D	-	B	B	A	A	A	A	A	A	A	A	-	A	A	A	A	A	A	A	A	A	A	A
Sodium Chromate	B	A	A	-	B	B	A	D	C	-	A	A	A	-	-	B	A	A	C	A	A	A	A	A	-	-
Sodium Citrate	-	-	-	-	B	-	B	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	A	A	-
Sodium Cyanide	D	A	A	-	A	B	A	A	A	A	A	A	A	B	-	A	A	A	A	A	A	A	A	A	A	A
Sodium Dichromate	-	-	-	-	-	-	-	-	-	A	A	B	-	B	-	-	A	A	D	B	A	A	A	A	A	B
Sodium Ferrocyanide	A	-	D	-	B	B	A	A	B	A	-	A	A	-	-	B	A	A	-	A	A	A	A	A	A	-
Sodium Fluoride	B	C	C	-	D	D	A	-	B	A	A	A	A	-	-	-	A	A	B	A	A	A	A	A	A	B
Sodium Hexametaphosphate	C	-	B	-	B	-	A	-	-	B	A	-	-	-	-	-	B	-	-	B	-	A	-	-	-	-
Sodium Hydrosulfate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Sodium Hydrosulfite	A	-	-	-	-	-	A	-	B	B	-	A	D	-	-	C	C	-	A	B	-	A	-	-	-	-
Sodium Hydroxide	D	-	B	-	A	-	B	D	-	A	D	-	-	-	-	-	B	-	C	B	A	A	A	A	A	-
Sodium Hydroxide (< 10%) (Caustic	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium Hydroxide (< 50%) (Caustic	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium Hydroxide (20%)	D	A	A	-	B	B	B	A	A	B	-	C	-	B	-	A	A	B	A	B	A	A	A	A	A	B
Sodium Hydroxide (50%)	D	D	D	-	B	B	C	A	A	B	-	D	-	C	-	A	A	D	A	B	A	A	A	A	A	B
Sodium Hydroxide (80%)	D	D	D	-	C	B	A	D	A	B	-	D	-	D	-	A	D	D	C	B	A	A	A	-	A	B
Sodium Hypochlorite	D	-	D	-	D	-	B	D	-	C	B	-	B	-	-	-	D	-	C	B	D	A	A	A	A	-
Sodium Hypochlorite (<20%)	D	D	D	-	C	C	A	D	A	B	-	A	-	A	-	C	B	D	D	C	A	A	A	B	A	D
Sodium Hypochlorite (100%)	D	D	D	-	D	D	B	D	B	B	-	A	-	D	-	C	D	-	D	C	B	A	A	-	-	-
Sodium Hyposulfate	D	D	D	-	A	A	-	-	-	-	-	-	-	-	-	C	-	-	-	C	-	A	-	-	-	-
Sodium Metaphosphate	C	C	C	-	A	A	A	B	B	A	A	A	A	-	-	A	A	-	A	B	A	A	A	A	A	-
Sodium Metasilicate	D	A	A	-	A	A	A	D	B	A	A	A	A	-	-	A	A	A	-	A	A	A	A	A	-	B
Sodium Nitrate	B	B	B	-	B	B	B	A	A	A	A	A	D	B	-	B	A	C	A	B	A	A	A	A	A	B
Sodium Nitrite	A	-	A	-	A	-	A	-	-	-	A	-	-	-	-	-	A	-	-	D	A	A	A	-	A	-
Sodium Perborate	C	C	C	-	B	B	B	B	B	A	A	A	B	B	-	B	B	B	B	B	A	A	A	A	A	B
Sodium Peroxide	C	C	C	-	A	A	B	D	B	A	A	A	B	B	-	B	B	B	A	B	B	A	A	B	A	D
Sodium Phosphate	D	-	B	-	B	B	A	A	-	A	-	A	-	C	-	-	B	A	A	B	A	A	A	A	A	A
Sodium Phosphate (Dibasic)	D	-	D	-	A	-	-	A	-	A	-	A	-	B	-	-	A	B	-	B	A	A	A	A	-	A
Sodium Phosphate (Mono)	D	-	D	-	A	-	-	A	-	A	-	A	-	B	-	-	A	A	-	C	A	A	A	A	-	A
Sodium Phosphate (Tribasic)	D	-	D	-	B	-	A	A	-	A	A	A	B	B	-	-	B	B	B	C	A	A	A	A	A	A
Sodium Polyphosphate	D	D	D	-	B	B	A	B	B	A	-	A	A	-	-	C	A	-	A	B	A	A	A	-	-	-
Sodium Silicate (Water Glass)	A	B	B	-	A	B	B	C	A	A	A	A	A	B	-	A	A	A	A	A	A	A	A	A	A	B
Sodium Sulfate	A	B	B	-	B	B	B	B	A	A	A	A	A	B	-	B	A	A	A	A	A	A	A	A	A	A
Sodium Sulfide	D	C	C	-	B	D	B	B	A	A	A	A	A	B	-	B	A	A	A	A	A	A	A	A	A	A
Sodium Sulfide - Saturated	D	-	B	-	B	-	A	A	-	B	-	B	-	B	-	-	A	A	-	A	A	A	A	A	A	A
Sodium Sulfite	C	A	A	-	B	A	B	A	A	A	A	A	A	B	-	B	A	A	D	A	A	A	A	A	A	A
Sodium Tetraborate	C	-	B	-	A	A	B	B	A	A	B	A	A	B	-	A	A	B	A	B	A	A	A	A	A	B
Sodium Tetraphosphate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-
Sodium Thiosulfate	A	C	C	-	A	B	A	C	A	A	A	A	A	-	-	B	B	A	B	A	A	A	A	A	A	-
Sodium Thiosulphate	B	-	C	-	A	A	A	C	-	A	-	A	-	B	-	-	B	-	B	A	A	A	A	-	-	A
Sorghum	A	A	A	-	A	A	A	A	-	A	-	A	A	-	-	A	A	A	A	A	A	-	A	A	-	-
Soy Sauce	A	D	D	-	A	A	D	A	-	A	-	A	-	-	-	-	A	A	A	A	A	A	-	A	-	B
Soybean Oil	A	A	A	-	A	A	A	A	C	C	A	A	A	B	-	D	A	A	A	C	A	A	A	C	A	B
Spelly, Solvent B,C,E	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	D	-	A	-	-	-	-
Spry	-	-	-	-	-	-	-	-	-	B	-	A	-	-	-	-	A	-	-	B	-	-	-	-	A	A
SR-10 Fuel	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	D	-	-	-	-	A	B
SR-6 Fuel	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	-	-	D	-	-	-	-	A	B
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Stannic Chloride (Tin Chloride)	D	D	D	-	D	D	B	C	C	A	A	A	A	B	-	A	A	A	B	C	A	A	A	A	A	B
Stannic Fluoborate	D	D	D	-	-	A	-	C	-	-	-	A	A	-	-	-	A	-	-	A	-	-	-	-	-	-
Stannous Chloride	D	-	B	-	C	A	B	-	A	C	A	A	A	C	-	A	A	A	C	A	A	A	A	B	-	C
Starch	A	C	C	-	A	A	A	A	A	A	C	A	A	B	-	A	A	A	A	A	A	A	-	A	A	A
Steam 220°F-300°F	A	-	A	-	-	A	-	-	-	-	-	D	-	-	-	-	D	-	D	D	-	D	-	-	-	-
Steam To 200°F	A	-	A	-	-	A	-	-	-	-	-	D	-	-	-	-	C	-	D	C	-	D	-	-	-	-
Stearic Acid	B	C	C	-	B	A	B	A	C	B	A	A	B	C	-	-	B	B	A	B	A	A	A	B	A	A
Stoddard Solvent	A	A	A	-	A	A	A	A	-	D	-	A	B	C	-	D	A	B	A	C	C	A	A	D	-	A
Styrene	A	A	A	-	A	A	D	A	D	D	A	B	D	D	-	D	D	D	A	D	D	A	B	C	A	D
Sucrose Solution	A	-	B	-	A	-	A	A	-	A	A	A	-	B	-	-	A	A	A	A	-	A	-	A	A	A
Sugar (Liquids)	A	-	A	-	A	A	A	A	A	A	-	A	A	B	-	A	A	A	A	A	A	A	A	A	A	D
Sulfamic Acid	A	-	-	-	D	-	D	D	-	-	-	-	-	-	-	-	B	-	D	A	-	A	-	-	-	-
Sulfate (Liquors)	D	C	C	-	B	B	B	D	B	A	-	A	-	-	-	B	A	-	B	B	A	A	A	-	-	-
Sulfate Liquor Black	B	-	C	-	A	-	A	D	-	A	-	A	-	B	-	-	B	B	-	A	A	A	A	A	A	A
Sulfate Liquor Green	B	-	C	-	A	-	A	D	-	A	-	A	-	B	-	-	B	B	-	A	A	A	A	A	A	A
Sulfate Liquors	B	-	C	-	-	C	A	-	-	-	-	-	-	-	-	-	-	-	B	C	A	-	A	-	-	-
Sulfite Liquor	D	-	D	-	B	B	A	A	-	B	B	A	-	-	-	-	B	B	-	A	B	A	-	A	A	C
Sulfur	D	-	B	-	A	A	B	A	-	D	A	A	-	-	-	-	B	B	A	B	B	A	A	A	A	B
Sulfur Chloride	D	D	D	-	D	D	A	D	-	D	A	A	D	C	-	D	D	D	A	D	C	A	A	D	A	C
Sulfur Dioxide	B	-	D	-	D	A	C	B	C	A	A	A	D	C	-	-	D	D	C	B	A	A	A	A	A	C
Sulfur Dioxide (dry)	B	A	A	-	D	A	B	B	-	A	-	A	-	C	-	C	D	-	B	D	A	A	A	-	-	-
Sulfur Hexafluoride	D	-	D	-	-	-	D	D	B	B	A	C	B	B	-	D	B	C	B	A	-	A	-	B	A	B
Sulfur Trioxide	A	B	B	-	A	C	B	-	D	C	A	A	D	D	-	C	D	D	D	D	C	A	D	D	C	C
Sulfur Trioxide (Dry)	A	A	A	-	D	A	B	D	-	C	-	A	-	-	-	-	D	-	A	D	D	A	C	-	-	-
Sulfuric Acid - (To 75%)	D	-	D	-	C	-	A	D	-	C	-	A	-	B	-	-	D	D	-	D	A	A	A	A	A	D
Sulfuric Acid - 10%	D	-	D	-	A	-	A	-	-	A	A	-	-	-	-	-	B	-	D	A	A	A	A	A	-	-
Sulfuric Acid - 25%	D	-	D	-	B	-	A	-	-	B	A	-	-	-	-	-	C	-	D	B	A	A	A	A	-	-
Sulfuric Acid - 50%	D	-	D	-	D	-	A	-	-	B	A	-	-	-	-	-	C	-	D	B	A	A	A	A	-	-
Sulfuric Acid - 60%	D	-	D	-	D	-	A	-	-	B	A	-	-	-	-	-	D	-	D	C	A	A	A	A	-	-
Sulfuric Acid - 75%	D	-	C	-	C	-	A	-	-	C	A	-	-	-	-	-	D	-	D	D	A	A	A	A	-	-
Sulfuric Acid - 95%	D	-	B	-	A	-	A	-	-	C	A	-	-	-	-	-	D	-	D	D	D	A	A	A	-	-
Sulfuric Acid (<10%)	D	C	C	-	D	B	B	D	A	A	-	A	B	A	-	A	A	D	C	B	A	A	A	A	A	D
Sulfuric Acid (10-75%)	D	D	D	-	D	D	B	D	B	B	-	A	D	-	-	C	B	-	D	B	A	A	A	-	-	-
Sulfuric Acid (20% Oleum)	D	-	D	-	-	-	-	-	-	-	-	B	-	-	-	-	D	-	D	D	D	A	-	-	-	-
Sulfuric Acid (75-100%)	D	D	D	-	C	D	B	-	C	B	-	A	-	C	-	D	C	-	D	D	C	A	A	-	-	-
Sulfuric Acid (98%) (66° Baume)	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfuric Acid (cold concentrated)	B	D	D	-	C	B	A	-	C	C	-	B	-	B	-	D	D	-	D	D	A	A	A	-	-	-
Sulfuric Acid (Conc.)	-	-	D	-	B	-	B	D	-	C	A	-	-	-	-	-	D	-	D	D	A	A	A	B	-	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Sulfuric Acid (Concentrated To 98%)	D	-	D	-	-	B	-	-	-	-	-	A	-	-	-	-	D	-	D	D	C	A	A	-	-	-
Sulfuric Acid (Concentrated)	D	-	D	-	C	-	B	D	-	C	-	A	-	C	-	-	D	D	-	D	C	A	A	B	-	D
Sulfuric Acid (Dilute)	D	-	D	-	B	B	A	D	-	A	-	A	-	A	-	-	D	D	C	C	A	A	A	A	A	C
Sulfuric Acid (Fuming)	C	-	D	-	C	-	D	D	-	D	-	A	-	B	-	-	D	D	-	D	D	A	D	A	-	D
Sulfuric Acid (hot concentrated)	D	D	D	-	D	C	D	-	D	D	-	A	-	-	-	D	D	-	D	D	D	A	C	-	-	-
Sulfurous Acid	B	D	D	-	B	B	B	C	A	B	A	A	A	-	-	B	B	-	D	C	A	A	A	A	A	-
Sulfuryl Chloride	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-
Sulphurous Acid	D	-	D	-	B	-	B	D	-	D	-	D	-	D	-	-	D	D	-	D	A	A	A	-	A	D
Sunsafe (Fire Resist. Hydr. Fluid)	-	-	-	-	-	-	-	-	-	D	-	A	-	A	-	-	A	B	-	B	-	A	-	D	-	D
Syrup	A	-	-	-	A	A	-	A	-	A	-	A	-	-	-	-	A	A	-	B	A	-	-	A	-	-
Tall Oil	D	-	C	-	D	-	B	A	-	D	-	A	A	-	-	-	A	A	-	D	B	A	A	D	A	A
Tallow	A	-	-	-	A	A	-	A	C	A	A	A	B	-	-	-	A	B	A	B	A	A	-	B	A	A
Tannic Acid	C	C	C	-	B	A	B	B	A	A	A	A	D	A	-	A	A	A	C	A	A	A	B	A	A	A
Tanning Liquors	A	-	-	-	A	A	B	B	B	-	A	B	-	-	-	C	B	-	A	A	A	A	A	A	A	-
Tar and Tar Oil	A	-	C	-	B	-	-	A	-	-	-	-	-	C	-	-	-	-	-	C	A	A	A	-	C	D
Tar, Bituminous	A	-	B	-	A	B	A	A	-	D	A	A	-	B	-	-	B	B	C	C	A	A	-	B	-	B
Tartaric Acid	B	C	C	-	C	C	B	B	A	B	A	A	A	C	-	A	A	B	B	A	A	A	B	A	A	A
Terpene Monocylic	A	-	D	-	-	-	-	-	-	D	-	A	-	-	-	-	C	-	-	A	-	A	-	-	-	-
Terpenes C10	A	-	D	-	-	-	-	-	-	D	A	-	-	-	-	-	C	-	-	D	-	A	-	-	A	-
Terpineol	A	-	A	-	A	A	A	-	-	C	A	A	D	-	-	-	C	D	-	D	D	A	B	B	-	B
Terta Bromoethane	D	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	D	-	D	D	A	-	D	-	-
Tertiary Butyl Alcohol	-	-	-	-	-	-	-	A	-	B	B	B	-	B	-	-	A	-	-	A	B	B	-	D	-	B
Tertiary Butyl Catechol	C	-	B	-	B	B	-	-	-	-	A	A	-	-	-	-	D	-	-	B	-	A	-	B	-	-
Tertiary Butyl Mercaptan	-	-	-	-	-	-	-	-	-	A	A	A	-	D	-	-	D	B	-	D	B	D	-	B	-	D
Tetra Bromomethane	D	-	-	-	-	-	-	-	-	-	A	A	D	-	-	-	D	-	-	D	D	A	-	D	-	-
Tetrabutyl Titanate	-	-	-	-	-	-	-	-	-	B	A	A	-	-	-	-	B	-	-	B	-	A	-	B	-	-
Tetrachlorodifluoroethane	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	D	D	-	D	-	A	-	D	-	-
Tetrachloroethane	C	A	A	-	B	A	A	A	D	D	A	A	D	-	-	D	D	-	C	D	C	A	A	D	-	-
Tetrachloroethylene	D	A	A	-	A	A	-	A	D	D	-	A	D	-	-	D	D	D	A	D	D	A	A	D	B	D
Tetraethyl Lead	B	-	A	-	A	-	-	-	-	D	B	A	-	B	-	-	B	B	-	D	A	A	A	C	C	B
Tetraethylene Glycol	-	-	-	-	-	-	-	-	-	-	A	A	-	-	-	-	A	-	-	-	-	A	-	-	-	-
Tetrahydrofuran	-	-	-	-	A	A	A	A	D	D	D	D	D	B	-	D	D	D	A	D	C	A	B	B	B	D
Tetrahydronaphthalene	A	-	A	-	A	-	A	-	-	D	A	-	-	-	-	-	D	-	A	D	C	A	-	-	D	-
Tetralin	A	-	A	-	A	A	A	-	-	D	-	A	-	-	-	-	D	D	-	D	D	A	-	C	-	D
Thiokol TP-90B	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	D	-	-	B	-	-	-	-	-	-
Thionyl Chloride	D	-	D	-	D	-	A	B	-	D	B	A	D	-	-	-	D	-	D	D	D	A	D	B	D	-
Thiophene	-	-	-	-	-	-	-	-	-	D	C	C	-	-	-	-	D	D	-	D	-	A	-	D	-	-
Tin Salts	D	-	-	-	-	D	C	-	A	B	-	A	A	-	-	A	A	-	-	-	A	A	A	-	-	-
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Tin Tetrachloride	D	-	D	-	D	-	A	-	-	-	-	-	-	-	-	-	A	A	-	D	A	A	A	-	-	B
Titanium Tetrachloride	D	-	A	-	B	B	B	-	-	D	A	A	D	-	-	-	C	C	A	D	D	A	B	D	C	D
Toluene (Toluol)	A	A	A	-	A	A	A	C	D	D	B	C	D	B	-	D	D	C	A	D	C	A	A	D	D	D
Toluene Diisocyanate	-	-	-	-	-	-	-	C	-	A	-	C	B	B	-	-	D	-	-	D	-	A	-	B	-	-
Toluidine	A	-	A	-	A	-	A	-	-	-	B	B	D	-	-	-	D	-	-	-	-	A	-	-	-	-
Tomato Juice	A	-	-	-	A	A	-	B	-	A	-	A	A	-	-	-	A	-	A	A	A	A	A	-	-	-
Tomato Pulp & Juice	B	-	-	-	A	-	A	A	-	A	-	A	-	-	-	-	A	A	A	A	A	A	A	A	A	A
Toothpaste	-	-	D	-	A	-	A	-	-	-	A	-	-	-	-	-	A	-	-	C	-	A	-	-	-	-
TP-95	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	D	-	-	B	-	-	-	-	-	-
Transformer Oil	A	-	A	-	A	A	A	A	-	D	A	A	B	-	-	D	A	B	A	B	B	A	A	D	A	A
Transmission Fluid (Type A)	A	-	A	-	A	A	A	A	-	D	A	A	A	B	-	-	A	-	-	C	-	A	-	C	-	A
Triacetin	B	-	-	-	-	-	-	-	-	A	D	D	A	-	-	-	B	-	-	B	-	A	-	A	-	D
Triaryl Phosphate	-	-	-	-	-	-	-	-	-	A	A	A	-	-	-	-	D	D	A	D	B	A	A	-	A	D
TributoxyEthyl Phosphate	-	-	-	-	-	-	-	-	-	A	B	B	-	-	-	-	D	-	-	D	-	A	-	B	A	D
Tributyl Mercaptan	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	-	-	D	-	A	-	B	A	-
Tributyl Phosphate	A	-	A	-	A	-	-	-	-	C	D	D	D	C	-	-	D	D	B	D	B	A	A	B	D	D
Trichloracetic Acid	D	-	D	-	D	-	B	D	-	B	-	D	-	D	-	-	D	D	-	D	B	A	A	B	-	D
Trichlorethylene	D	-	C	-	-	A	A	-	-	-	-	A	-	-	-	-	D	-	A	D	B	A	A	-	-	-
Trichloroacetic Acid	D	D	D	-	D	C	B	-	-	B	B	C	D	-	-	C	C	-	C	D	A	A	B	B	C	-
Trichlorobenzenes	D	-	A	-	A	-	B	-	-	-	B	A	D	-	-	-	D	-	-	D	-	A	-	-	-	D
Trichloroethane	D	B	B	-	B	B	A	A	D	D	B	A	D	D	-	D	D	D	C	D	C	A	A	D	D	D
Trichloroethylene	D	C	C	-	B	B	A	D	D	D	C	A	D	C	-	D	D	D	C	D	C	A	B	D	D	D
Trichloropropane	D	A	A	-	A	A	A	A	-	-	B	A	D	-	-	D	D	D	-	A	D	A	-	D	-	A
Tricresyl Alcohol (Tridecanol)	-	-	-	-	-	-	-	-	-	-	B	B	-	-	-	-	A	-	-	-	-	A	-	-	-	B
Tricresyl Phosphate	D	-	B	-	B	A	A	C	-	A	C	B	D	C	-	-	D	D	A	D	B	A	D	B	A	D
Tricresylphosphate	D	B	B	-	B	B	A	C	D	A	-	A	-	-	-	B	D	-	A	-	A	A	D	-	-	-
Triethanol Amine	B	-	A	-	A	A	A	B	-	B	C	D	D	C	-	-	D	D	A	B	A	A	D	A	A	D
Triethyl Aluminum	-	-	-	-	-	-	-	-	-	-	B	B	-	D	-	-	D	-	-	D	-	A	-	B	-	-
Triethyl Amine	-	-	A	-	A	-	A	A	-	A	-	A	-	-	-	-	A	D	-	B	C	A	A	D	-	D
Triethyl Borane	-	-	-	-	-	-	-	-	-	-	A	A	-	-	-	-	D	-	-	D	-	A	-	B	-	-
Triethylamine	-	A	A	-	A	A	-	D	-	A	-	D	A	-	-	B	C	-	A	A	D	A	A	-	-	-
Triethylene Glycol	-	-	-	-	-	-	-	-	-	-	A	A	-	-	-	-	A	A	A	-	A	A	-	-	A	-
Trifluoroethane	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	D	-	-	D	-	A	-	-	-	D
Trimethylene Glycol	A	-	A	-	A	-	A	-	-	A	A	A	A	-	-	-	A	-	-	-	-	A	-	-	-	-
Trinitrotoluene (TNT)	-	-	-	-	-	-	-	-	-	D	C	C	-	-	-	-	D	-	-	B	-	A	-	A	-	-
Trioctyl Phosphate	-	-	-	-	-	-	-	-	-	A	B	B	-	-	-	-	D	-	-	D	-	A	-	B	-	D
Triphenyl Phosphate	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	D	D	-	-	-	A	-	-	-	-
Trisodium Phosphate	D	-	A	-	B	B	A	A	-	A	-	A	A	A	-	A	A	A	A	A	A	A	A	A	A	B
CHEMICALS	**METALS**							**PLASTICS, ELASTOMERS & LEATHER**																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
Tung Oil	A	-	B	-	A	B	A	A	-	D	A	B	A	B	-	-	A	B	-	C	A	A	A	B	A	C
Turbine Oil	A	A	A	-	A	A	-	A	D	A	-	A	B	-	-	D	B	-	A	D	B	A	A	-	-	A
Turbine Oil #15 (Mil-L-7808A)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	-	-	D	-	A	-	-	-	D
Turbo Oil #35	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	B	-	-	-	-	-	A
Turpentine	A	-	B	-	A	A	B	A	D	D	A	A	A	B	-	D	A	B	B	D	D	A	A	D	C	D
Type 1 Fuel (Mil-S-3136)	-	-	-	-	-	-	-	-	-	D	-	A	-	A	-	-	A	-	-	A	-	A	-	D	-	B
Type 11 Fuel (Mil-S-3136)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	B	-	-	D	-	A	-	D	-	B
Type 111 (Fuel Mil-S-3136)	-	-	-	-	-	-	-	-	-	D	-	A	-	A	-	-	B	-	-	D	-	A	-	D	-	B
Univis 40 (Hydr. Fluid)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	B	-	A	-	D	-	A
Univolt #35 (Mineral Oil)	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	A	-	-	B	-	A	-	C	-	A
Unsymmetrical Dimethyl Hydrazine	B	-	A	-	A	-	-	-	-	A	D	D	-	-	-	-	C	-	-	C	-	A	A	B	-	D
Urea	B	-	-	-	B	B	B	A	-	A	A	A	B	B	-	-	B	B	A	B	A	A	A	A	A	B
Uric Acid	D	D	D	-	B	B	B	D	-	-	-	-	-	D	-	-	-	-	A	A	D	A	D	-	-	D
Urine	B	A	A	-	A	A	A	A	-	A	A	A	A	-	-	D	A	A	B	D	A	A	A	A	A	-
Valeric Acid	A	-	-	-	-	-	-	-	-	A	-	-	D	-	-	-	D	-	-	D	-	A	-	-	-	-
Vanilla Extract	-	-	-	-	A	-	-	-	-	-	D	-	A	-	-	-	A	-	-	D	-	A	-	A	A	-
Varnish	A	C	C	-	A	A	A	A	D	D	A	A	B	-	-	D	B	B	A	D	A	A	A	D	A	B
Vegetable Juice	D	D	D	-	A	A	-	A	-	A	-	A	A	-	-	-	A	-	A	C	-	A	-	A	-	B
Vegetable Oil	A	-	B	-	A	-	A	A	-	A	A	A	B	-	-	-	B	A	A	C	D	A	A	B	D	A
Versilube	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	-	-	A	-	A	-	-	A	A
Versilube F-50	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	-	-	A	-	A	-	-	A	A
Vinegar	D	D	D	-	A	A	A	B	A	A	A	A	D	C	-	B	B	B	A	B	A	A	B	A	A	B
Vinyl Acetate	A	B	B	-	B	B	A	-	A	B	D	A	D	-	-	D	D	D	-	D	B	A	A	B	D	D
Vinyl Chloride	B	B	B	-	B	A	A	-	-	C	A	A	D	-	-	C	D	-	A	D	D	A	B	D	-	-
Walnut Oil	-	-	-	-	-	-	-	-	-	-	A	A	-	-	-	-	A	-	-	B	-	A	-	-	-	-
Water, Acid Mine	D	D	D	-	B	B	A	A	-	A	-	A	A	-	-	B	A	A	A	C	A	A	A	A	A	C
Water, Deionized	A	D	D	-	A	A	A	-	A	A	-	A	A	-	-	A	A	-	A	A	A	A	A	-	-	-
Water, Distilled	A	D	D	-	A	A	A	B	-	A	A	A	A	-	-	A	A	A	A	A	A	A	A	A	A	A
Water, Fresh	B	D	D	-	A	A	A	A	-	A	A	A	A	A	-	A	A	A	A	A	A	A	A	A	A	A
Water, Salt	B	D	D	-	B	B	A	A	-	A	-	A	-	A	-	A	A	A	A	A	A	A	A	A	A	B
Water-Brine, Process, Beverage	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	-	-	A	-	D	-	A	A	D
Waxes	D	-	D	-	D	-	A	A	-	D	-	A	-	-	-	-	A	D	A	A	D	A	D	-	A	A
Weed Killers	D	-	-	-	A	A	-	A	-	-	A	A	B	-	-	-	A	-	A	C	-	-	-	B	-	-
Wemco C	-	-	-	-	A	-	-	A	-	D	-	A	-	-	-	-	A	-	-	B	-	A	-	-	-	A
Whey	B	-	-	-	A	A	-	A	-	-	-	A	A	-	-	-	A	A	-	-	-	A	-	A	-	-
Whiskey & Wines	C	D	D	-	A	A	A	A	A	A	A	A	A	B	-	A	A	A	A	C	A	A	A	A	A	D
White Liquor (Pulp Mill)	B	C	C	-	A	A	A	D	-	A	-	A	-	-	-	-	A	A	A	A	A	A	A	A	-	D
White Pine Oil	-	-	-	-	A	-	A	A	-	D	A	A	-	-	-	-	A	-	-	C	-	A	-	C	A	A

CHEMICALS	METALS							PLASTICS, ELASTOMERS & LEATHER																		

A: Excellent, B: Good, C: Fair to Poor, D: Not recommended - No Data	Aluminum	Carbon Steel	Cast/Ductile Iron	17-4 Stainless	304 Stainless	316 Stainless	Hastelloy C	Acetal	CSM (Hypalon)	EPR, EPDM	FKM (Fluorocarbon)	Fluoroelastomer (Viton)	Geolast (Buna & Polypropylene)	Hytrel (TPE)	Leather	Natural Rubber	Nitrile (TS) / Buna-N	Nitrile (TPE)	Nylon	Polychloroprene (Neoprene)	Polypropylene	PTFE	PVDF (Kynar)	Santoprene (EPDM & Polypropylene)	UHMWPE	Urethane
White Sulfate Liquor	B	-	C	-	A	-	B	-	-	A	B	-	-	-	-	-	B	-	-	A	A	A	A	-	-	-
White Water (Paper Mill)	-	A	A	-	A	A	-	B	-	-	-	A	-	-	-	-	-	-	A	A	A	-	-	-	-	-
Wine	C	-	D	-	A	-	A	B	-	A	B	-	-	-	-	-	A	-	A	A	A	A	A	A	A	-
Wolmar Salt	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	-	-	B	-	A	-	-	-	A
Wood Alcohol	-	-	-	-	-	-	-	-	-	A	-	D	-	-	-	-	A	-	-	A	-	A	-	-	A	D
Wood Oil	A	-	A	-	A	-	-	-	-	D	-	A	-	A	-	-	A	-	-	B	-	A	-	-	A	C
Wort, Distillery	A	-	B	-	A	-	A	-	-	A	A	A	-	-	-	-	A	-	-	B	-	A	-	-	-	B
Xylene	A	B	B	-	B	B	A	A	D	D	A	B	D	B	-	D	D	C	A	D	B	A	A	D	D	D
Xylidines (Xylidin)	B	-	B	-	-	-	-	-	-	D	D	-	-	-	-	-	-	-	-	D	-	A	-	C	-	-
Zeolite	-	-	-	-	A	-	A	-	-	A	A	A	-	-	-	-	C	-	-	C	-	A	-	A	-	-
Zinc Acetate	C	-	-	-	A	-	-	-	-	A	D	B	A	-	-	-	C	B	-	B	A	A	A	A	A	D
Zinc Carbonate	B	-	B	-	B	-	B	-	-	A	A	A	A	-	-	-	A	A	-	A	-	A	-	A	A	A
Zinc Chloride	D	D	D	-	B	B	B	C	A	A	A	A	A	A	-	A	A	A	A	A	A	A	A	A	A	A
Zinc Hydrosulfite	D	D	D	-	A	A	-	C	-	A	A	-	A	-	-	-	A	A	A	A	-	A	A	A	-	-
Zinc Salts	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	A	A	-	A	A	A	A	A	-	A
Zinc Sulfate	D	D	D	-	B	A	A	C	A	A	B	A	A	C	-	B	A	A	A	A	A	A	A	A	A	A

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