



*First choice when
quality counts.™*



**The
Diaphragm
Pump
Business
Unit**

Chemical Compatibility Guide

Notes

The information in these charts is intended only as a guide for pump material selection. The data indicate the ability of materials to chemically resist various substances.

This information has been compiled from various sources believed to be reliable, but verification testing has not been performed by Graco. Graco assumes no liability for the accuracy of the information.

To verify compatibility or suitability of a material for a specific application, the material should be tested for compatibility under specific service or simulated duplicate conditions. Chemical resistance of materials can vary widely, and is affected by factors such as temperature, aeration, oxidizing agents and fluid movement.

Material chemical compatibility is considered to be for materials between room temperature and 120°F unless otherwise specified.

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Wetted Material Compatibility Guideline for Metals

Fluid	pH Level	
Alkaline	14	
	13	Stainless Steel
	12	
11		
Caustic Basic	10	Cast Iron
	9	
	8	
Neutral	7	Aluminum
	6	
	5	
Acid	4	Cast Iron
	3	
	2	Stainless Steel
	1	
	0	

Temperature Limits

Temperatures listed are minimum/maximum value of seal materials only and DO NOT take into account pressures, vacuums, etc. Refer to specific pump Technical Data Forms relative to pump temperature limits.

Packings and Diaphragms

Viton	-40°F (-40°C) to +350°F (176°C)
PTFE	+40°F (+4°C) to +350°F (176°C)
Santoprene	-40°F (-4°C) to +300°F (150°C)
Hytrel	-20°F (-29°C) to +220°F (104°C)
UHMWPE (Polyethylene)	0°F (-17.7°C) to +140°F (60°C)
Leather	0°F (-17.7°C) to +200°F (93.3°C)
Neoprene	0°F (-17.7°C) to +212°F (100°C)
Buna N	-40°F (-4.4°C) to +250°F (121°C)
Polyurethane	-40°F (-4.4°C) to +200°F (93.3°C)

Housings

Acetal	40°F (4.4°C) to +150°F (65.5°C)
Polypropylene	40°F (4.4°C) to +150°F (65.5°C)
Kynar	40°F (4.4°C) to 200°F (93.3°C) with PTFE diaphragms

Trade Name Reference

Trade Names, their manufacturers and abbreviations for plastics elastomers and thermoplastic elastomers are shown in Table 1. This list should not be considered to be complete; the intent is only to show representative materials for each of the groups.

Trade Name	Material	Abbreviation	Manufacturer
Plastics			
Cycolac Lustran	Acrylonitrile butadiene styrene	ABS	Borg Warner Monsanto
Delrin Celcon	Acetal: acetal homopolymer acetal copolymer	AC GA	Du Pont Celanese
PTFE Kynar Tefzel	Fluoroplastics: polytetrafluoroethylene polyvinylidene fluoride copolymer ethylene & TFE	EF TF, TFE, PTFE KY, PVDF ETFE	Du Pont Pennwalt Du Pont
	Nylon (Polyamides)	NY	
Lexan Merlon Calibre	Polycarbonate	PC	General Electric Mobay Chemical Dow Chemical
	Polyethylene, ultra high molecular weight	PH, UHMWPE	
	Polyvinyl chloride	PVC	
	Polyester: polybutylene terephthalate polyethylene terephthalate	PE PBT PET	
Polyethere- therketone		PEEK	ICI

Trade Name Reference *(continued)*

Trade Name	Material	Abbreviation	Manufacturer
Elastomers			
Hycar Butaprene	Buna N Rubber, Nitrile Rubber	BN, NBR	Goodrich Firestone
Viton Fluorel Kel-F	Fluorocarbon (Viton)	VT, FPM	Du Pont 3M 3M
FR-S	Styrene Butadiene Rubber, Buna S, GRS	SBR	Firestone
Neoprene	Chloroprene (Neoprene) Rubber	NE, CR	Du Pont
Nordel	Ethylene propylene diene Monomer	EP, EPDM	Du Pont EPR
Epear 306	Ethylene propylene	EPM	Goodrich
Kalrez	Perfluoroelastomer	KR	Du Pont
Adiprene	Polyurethane	PU	Du Pont Pellen Corp. Disogrin

Trade Name Reference (continued)

Trade Name	Material	Abbreviation	Manufacturer
Thermoplastic Elastomers			
Hytrel Ecdel Gaflex Lomod Saniflex™	Polyester Elastomer (copolyesters)	HY	Du Pont Eastman Chem. Celanese General Electric Wilden
Santoprene Geolast Alcryn Wilflex™	Elastomeric alloys	SP GL	Advanced Elastomer Systems Monsanto Du Pont Wilden
Pebax Estamid	Polyamides	None	Atochem Polymer Dow Chemical
Estane Texin Pellethane Q-Thane	Urethanes	None	Goodrich Mobay Dow Chemical K.J. Quinn
Metal Wear Surfaces			
Nitralloy	Hardened Alloy Steel	None	Graco Inc.
Severe Duty™	Hard Chrome-Plated Stainless Steel 303, 304, 316	SS	Graco Inc.

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Plastic, Elastomer & Leather

Metal

	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
ACETALDEHYDE	A	C	C	B	X	X	C	B	A	C	A	X	X	B	C	C	X	B	O	O	A	A	O	A	C	A	A	O
ACETAMIDE	O	X	A	O	X	X	A	A	A	B	A	B	A	O	X	X	X	O	O	O	A	A	O	O	C	A	A	O
ACETATE SOLVENTS	A	O	O	O	A	X	X	A	A	X	B	X	X	O	O	O	X	O	X	O	A	C	O	O	X	A	A	A
ACETIC ACID	X	B	X	B	B	A	B	X	A	C	A	B	B	A	B	B	X	X	X	C	A	C	O	O	C	A	A	O
ACETIC ACID GLACIAL	X	B	C	B	B	A	B	X	A	X	A	C	C	O	B	B	X	O	C	X	A	C	O	O	O	A	A	O
ACETIC ACID VAPORS	O	X	O	O	X	X	O	X	A	O	O	O	O	O	O	O	O	X	X	O	A	O	O	O	O	O	A	O
ACETIC ANHYDRIDE	X	X	X	X	X	C	B	A	A	B	B	X	C	A	B	B	X	B	C	X	A	X	O	O	X	B	B	X
ACETONE 70°F	O	X	C	A	X	X	A	A	A	O	A	X	X	A	C	C	X	O	C	A	A	O	O	O	B	A	A	A
ACETONE 120° F	B	X	X	A	X	X	A	B	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
ACETONE 140° F	O	X	X	X	X	X	A	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
ACETONITRILE	O	X	A	O	X	B	X	A	A	O	O	O	O	A	O	O	O	O	O	O	A	O	O	A	A	A	A	A
ACETOPHENONE	O	X	B	O	X	B	C	A	A	X	A	X	X	O	X	X	X	O	O	O	A	O	O	A	A	A	A	A
ACETYL CHLORIDE	O	X	X	O	X	A	X	X	A	X	X	A	X	O	X	X	X	O	X	A	O	O	O	A	A	A	A	O
ACETYLENE	A	X	A	O	C	A	X	B	A	B	A	A	A	O	C	B	X	A	B	O	A	A	O	A	A	A	A	A
ACID (CONCENTRATED)	O	O	O	O	O	O	O	O	A	O	B	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
ACID (MILD)	O	O	O	O	O	O	O	O	A	O	B	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
ACID MINE WATER	A	A	A	A	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
ACRYLONITRILE	O	X	A	O	O	B	B	A	A	X	X	C	X	A	X	X	X	O	O	X	A	A	O	A	A	A	A	O
ADIPIC ACID	B	A	A	O	A	A	B	O	A	A	A	O	A	O	O	A	O	O	O	O	A	O	O	A	A	A	A	O
AERO LUBRIPLATE	A	O	O	O	O	O	O	O	A	A	X	A	A	O	O	O	A	O	O	O	A	O	A	A	A	A	A	A
AEROSAFE 2300	A	O	O	O	O	O	O	O	A	X	A	X	X	O	O	O	X	O	B	O	A	O	A	A	A	A	A	A
AEROSAFE 2300F	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	A	A	A	A	A	A
AEROSAFE 2300W	A	O	O	O	O	O	O	O	A	X	A	X	X	O	O	O	X	O	O	O	O	O	O	O	O	O	O	O
AEROSAFE 1AC	A	O	O	O	O	O	O	O	A	B	X	A	A	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O
AEROSHELL 1AC	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	A	A	A	A	A	A
AEROSHELL 17 GREASE	A	O	O	O	O	O	O	O	A	B	X	A	A	O	O	O	A	O	O	O	A	O	A	A	A	A	A	A
AEROSHELL 7A GREASE	A	O	O	O	O	O	O	O	A	B	X	A	A	O	O	O	A	O	O	O	A	O	A	A	A	A	A	A
AEROSHELL 750	A	O	O	O	O	O	O	O	A	X	X	A	B	O	O	O	X	O	O	O	A	O	A	A	A	A	A	A
ALCOHOL	B	B	X	A	A	A	B	X	A	O	B	A	A	O	O	O	A	A	B	A	A	A	O	A	A	A	A	A
ALKALINE SOLUTIONS	A	A	A	A	O	O	O	O	A	A	A	A	A	O	O	O	A	O	O	O	O	O	O	O	O	A	A	O
ALLYL ALCOHOL	O	B	X	A	X	O	B	A	A	O	O	O	O	O	O	O	O	O	O	A	A	O	O	A	A	A	A	A
ALLYL CHLORIDE	O	O	B	A	X	A	A	O	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	X	O	B	O
ALMOND OIL (ARTIFICIAL)	O	O	O	O	O	O	O	O	A	X	B	X	X	O	O	O	O	O	O	O	O	O	O	O	O	B	B	O
ALUMINUM CHLORIDE	B	B	B	A	A	A	A	X	A	A	A	A	A	X	A	C	O	B	O	X	O	O	O	X	X	C	X	
ALUMINUM CHLOROHYDROXIDE	O	O	O	O	O	O	O	A	A	O	O	O	O	O	O	O	O	O	O	X	O	O	X	X	X	O	O	

*Not recommended for use above 160°F

Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

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	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's		
ALUMINUM FLUORIDE	X	O	B	A	A	A	A	A	A	A	A	A	X	A	C	O	O	O	O	B	O	O	X	X	X	C	X		
ALUMINUM HYDROXIDE	O	C	A	O	A	A	A	A	O	O	O	O	A	O	O	O	O	O	O	A	A	O	O	O	A	A	A	A	
ALUMINUM NITRATE	O	C	A	O	A	A	B	A	A	A	A	A	B	A	C	O	O	O	O	X	O	O	O	X	A	A	A	A	
ALUMINIUM POTASSIUM SULFATE	A	A	B	A	A	A	A	X	A	O	O	O	O	A	O	O	O	O	O	A	O	O	O	O	O	A	O	A	O
ALUMINIUM SULFATE	B	A	B	A	A	A	A	A	A	A	A	A	A	X	A	X	A	B	A	A	C	O	O	O	A	A	A	O	
AMINES	B	X	C	A	X	O	A	B	A	O	O	O	O	A	O	O	X	A	O	A	O	O	O	B	A	A	A	O	
AMINOETHANOL	X	B	O	O	B	C	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
AMMONIA ANHYDROUS	X	X	B	A	B	A	A	B	A	A	A	X	B	A	O	X	X	X	X	O	A	O	O	A	A	A	A	A	
AMMONIA AQUEOUS	B	X	X	A	A	A	A	B	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
AMMONIUM BIFLUORIDE	O	O	A	O	A	A	A	O	A	O	O	O	O	A	O	O	O	O	O	X	O	O	O	O	C	A	O	O	
AMMONIUM CARBONATE	O	O	B	A	A	A	A	A	A	A	B	O	X	A	O	A	X	A	O	O	A	O	O	A	A	A	A	A	
AMMONIUM CHLORIDE	B	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	O	A	O	C	C	O	O	X	A	C	A	A	
AMMONIUM FLUORIDE	O	X	A	O	X	A	B	A	A	O	O	O	O	A	O	O	O	O	O	A	O	O	A	A	A	A	A	A	
AMMONIUM HYDROXIDE	X	X	B	A	A	A	A	A	A	A	A	B	X	A	A	X	X	B	X	O	C	X	O	O	C	A	A	A	
AMMONIUM NITRATE	B	X	B	A	A	A	A	A	A	A	A	O	A	A	O	B	X	A	B	O	A	X	O	A	X	A	A	A	
AMMONIUM PERSULFATE	O	O	A	A	A	A	A	X	A	A	A	O	A	A	O	X	X	O	O	O	C	O	O	O	A	A	A	A	
AMMONIUM PHOSPHATE	B	A	B	B	A	A	A	X	A	A	A	O	A	A	A	A	O	O	B	O	O	A	O	O	O	A	A	A	A
AMMONIUM SULFATE	B	A	B	A	A	A	A	A	A	A	A	X	A	A	X	A	A	O	C	O	B	C	O	O	C	A	A	A	
AMMONIUM SULFITE	X	X	B	X	A	O	A	A	A	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	A	O	A
AMYL ACETATE	X	X	C	B	X	A	C	C	A	X	A	X	X	A	X	X	B	C	X	A	A	O	A	C	A	A	C	C	
AMYL ALCOHOL	A	A	B	A	A	A	A	B	A	O	O	O	O	O	O	O	O	A	A	A	X	O	O	A	A	A	A	O	
AMYL CHLORIDE	A	X	X	O	X	A	X	C	A	O	O	O	O	A	O	O	O	O	O	A	A	O	A	A	A	A	A	O	
ANILINE	B	X	X	B	X	B	C	A	A	X	A	C	X	A	X	X	X	O	X	A	C	O	O	A	A	A	A	A	
ANILINE HYDROCHLORIDE	O	X	X	O	C	B	X	X	A	X	B	B	B	A	X	X	X	O	O	O	O	O	O	O	O	O	O	O	O
ANIMAL OIL (LARD OIL)	A	O	A	O	O	O	O	O	A	B	B	A	A	O	O	B	O	A	A	A	O	A	A	A	A	A	A	A	A
ANTI-FREEZE (ALCOHOL BASE)	O	O	O	O	O	O	O	O	A	A	A	A	A	O	O	O	B	A	A	A	O	O	A	A	A	A	A	O	O
ANTI-FREEZE (GLYCOL BASE)	O	O	O	O	O	O	O	O	A	B	A	A	A	A	O	O	O	B	A	A	O	O	A	A	A	A	A	O	O
ANTIMONY TRICHLORIDE	O	A	B	A	A	A	A	X	A	O	O	O	O	A	O	O	O	O	O	X	O	O	O	X	X	X	X	X	
AQUA REGIA	X	X	B	B	C	A	X	X	A	X	C	B	X	A	X	X	X	O	O	O	X	O	O	O	X	X	X	X	X
AROCLOR	O	X	X	O	O	O	X	A	A	X	C	A	A	A	A	A	X	O	C	O	A	O	O	O	B	B	B	O	O
AROMATIC HYDROCARBONS	O	O	O	O	O	O	O	O	O	O	X	A	X	O	O	O	O	C	O	O	O	O	O	B	O	B	O	O	
ARSENIC ACID	O	A	A	O	B	A	A	X	A	A	A	A	A	A	A	C	B	O	O	X	O	O	O	O	A	A	A	A	
ASPHALT	B	X	A	O	A	A	A	A	B	X	A	B	A	A	X	B	A	B	P	A	A	O	A	A	A	A	A	A	A
ASPHALT EMULSIONS	O	X	O	O	O	A	O	C	A	O	O	O	O	O	O	O	O	A	O	O	O	O	O	A	O	A	O	A	O
ATMOSPHERE, INDUSTRIAL	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	C	B	A	B	B	

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ATMOSPHERE, MARINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ATMOSPHERE, RURAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AUTOMATIC BRAKE FLUID	A	0	0	0	0	0	0	0	A	B	A	X	X	0	0	0	0	C	0	A	0	A	A	A	A	A	A	A	
AUTOMATIC TRANSMISSION FLUID	A	0	A	0	0	0	0	0	A	B	X	A	A	0	0	B	0	A	X	A	0	A	A	A	A	A	A	A	
AUTOMOTIVE GASOLINE (STANDARD)	A	0	A	0	0	0	0	0	A	X	X	A	A	0	0	B	0	0	0	A	0	A	A	A	A	A	A	A	
AVIATION GASOLINE, MIL.	0	0	0	0	0	0	0	0	A	0	0	A	B	0	0	0	0	0	0	A	0	A	A	A	A	A	A	A	
BANANA OIL	A	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	A	0	
BARBEQUE SAUCE	0	0	0	0	0	0	0	0	A	A	0	0	A	0	0	0	0	0	0	0	0	0	X	X	A	A	A	0	
BARIUM CARBONATE	0	0	B	B	A	A	A	A	A	0	0	0	A	0	0	0	A	0	0	0	0	0	A	A	A	A	A	A	
BARIUM CHLORIDE	A	A	B	B	B	A	A	A	A	A	A	A	A	A	A	A	0	B	0	X	0	0	A	A	A	A	A	A	
BARIUM CYANIDE	0	0	A	0	X	0	X	A	A	0	0	0	A	0	0	0	0	0	0	0	0	A	A	A	A	A	A	A	
BARIUM HYDROXIDE	0	X	B	0	A	A	A	A	A	A	A	A	A	A	A	X	B	B	0	X	0	0	0	0	B	A	A	0	
BARIUM NITRATE	B	X	B	B	A	0	A	A	A	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	A	A	A	0	
BARIUM SULFATE	B	X	B	A	A	A	B	A	A	A	A	A	A	A	A	A	X	0	A	0	0	A	A	A	A	A	A	A	
BARIUM SULFIDE	0	0	B	A	A	A	A	A	A	A	A	A	A	B	B	A	A	0	0	X	0	0	0	C	A	A	A		
BEER	A	A	A	A	A	A	A	A	A	A	A	A	0	X	A	B	A	B	0	A	B	0	0	X	A	A	A	A	
BEER (ALCOHOL IND.)	A	0	A	0	0	0	0	A	A	A	A	A	B	0	0	X	A	0	0	A	A	0	A	A	A	A	A	A	A
BEER (BEVERAGE IND.)	A	0	A	0	0	0	0	A	A	A	A	A	A	0	0	X	A	0	0	A	X	0	X	X	A	A	A	A	A
BEET SUGAR LIQUIDS	B	0	B	0	0	0	B	A	A	A	0	A	A	0	0	X	0	0	0	A	B	0	A	A	A	A	B	B	
BEET SUGAR LIQUORS	A	0	A	0	0	0	0	A	A	B	A	A	A	0	X	A	B	0	A	X	0	B	B	B	A	A	B	B	
BENZALDEHYDE	0	X	X	0	X	A	X	X	A	X	A	X	A	X	X	X	0	B	X	A	A	0	A	A	A	A	A	A	A
BENZENE	A	X	C	C	X	A	X	A	A	X	X	A	X	A	C	X	C	B	C	X	A	A	0	A	A	A	A	A	A
BENZENE HOT	C	X	X	X	X	B	X	X	A	0	0	0	0	0	0	0	0	X	X	B	B	0	0	B	B	B	B	B	
BENZENE SULFONIC ACID	0	X	A	X	B	A	X	X	A	B	C	A	X	0	X	X	0	0	0	0	0	0	0	0	A	A	A	0	
BENZOIC ACID	B	B	B	A	B	A	X	X	A	X	C	A	C	A	B	X	X	A	X	0	A	0	0	0	0	A	A	A	0
BENZONITRILE	0	X	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	0	0	
BENZYL ALCOHOL	0	X	X	A	X	A	A	X	A	B	A	A	X	A	X	X	X	0	0	0	A	C	0	A	A	A	A	A	A
BENZYL CHLORIDE	A	X	0	0	B	A	B	A	A	X	X	A	X	A	X	X	X	0	0	0	0	0	A	A	A	A	A	A	A
BLEACH LIQUOR	0	0	0	0	0	0	0	0	0	B	A	A	X	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0
BLEACH SOLUTIONS	0	0	0	0	0	0	0	0	A	X	A	A	B	A	0	0	0	B	0	0	0	0	0	0	0	0	0	0	0
BLEACHING POWDER (WET)	0	0	0	0	0	0	0	A	A	0	0	0	A	0	0	0	0	0	0	0	X	0	0	0	A	X	0	0	
BLOOD	0	0	0	0	0	0	A	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	A	0	
BLOOD (MEAT JUICES - COLD)	0	0	A	0	0	0	0	0	A	0	A	B	B	0	0	0	X	0	0	0	0	0	0	0	B	A	A	0	
BORAX	B	A	A	A	A	A	A	A	A	A	A	A	B	A	X	B	A	A	B	0	X	B	0	0	X	A	A	A	A
BORIC ACID	0	A	A	A	A	A	A	B	A	A	A	A	A	0	A	A	A	B	A	A	C	0	0	0	A	A	A	0	0

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	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's		
BRAKE FLUID (NON-PETROLEUM)	A	O	A	O	O	O	O	A	B	A	X	X	O	O	O	O	B			A	O	A	A	A	A	A	A		
BROMINE DRY GAS	X	X	X	X	X	A	X	X	A	O	O	O	A	O	O	O	X	O		X	O	O	O	X	X	X	X		
BROMINE MOIST GAS	X	X	X	O	X	A	X	X	A	O	O	O	O	O	O	O	O	O		X	O	O	O	X	X	X	X		
BUTADIENE	O	X	X	C	C	A	X	A	A	X	C	A	X	A	C	X	X	A	O	A	A	O	A	A	A	A	A		
BUTANE	B	X	X	O	X	A	X	A	A	A	X	A	A	A	A	X	A	A	B	O	A	A	O	A	A	A	A		
BUTANOL (BUTYL ALCOHOL)	A	A	A	A	B	A	A	B	A	O	O	O	A	O	O	O	B	B		O	O	O	O	O	O	O	O		
BUTTER	A	O	A	O	O	O	O	A	A	B	A	A	A	O	O	O	A	B	X		O	O	O	O	O	O	O		
BUTTER - ANIMAL FAT	A	O	A	O	O	O	O	O	A	B	A	A	A	O	O	O	A	O	O		O	O	O	O	O	O	O		
BUTTERMILK	O	A	A	O	A	A	A	B	A	O	O	O	O	O	O	O	A	O	O		O	O	O	O	O	O	O		
BUTYL ACETATE	B	X	X	B	X	B	X	A	A	X	C	X	X	A	C	X	X	O	C	O		O	O	O	O	O	O		
BUTYL AMINE	X	X	X	A	X	A	B	A	A	X	B	X	C	A	X	X	X	O	X	X		O	O	O	O	O	O		
BUTYL CHLORIDE	O	X	O	O	O	A	X	A	A	O	O	O	O	A	O	O	O	C	O		O	O	O	O	O	O	O		
BUTYL ETHER	O	O	O	O	A	A	X	A	A	O	O	O	O	O	O	O	O	X	X		O	O	O	O	O	O	O		
BUTYL PHTHALATE	O	X	C	A	X	X	B	A	A	O	O	O	O	O	O	O	O	B	O		O	O	O	O	O	O	O		
BUTYLENE	O	X	B	O	B	A	B	B	A	C	X	A	B	A	B	X	X	O	X	X		O	O	O	O	O	O		
BUTYRIC ACID CONCENTRATED	X	X	X	B	X	B	X	X	A	O	O	O	O	O	O	O	O	B	X		O	O	O	O	O	O	O		
BUTYRIC ACID 5%	X	X	X	A	B	B	A	B	A	O	O	O	O	O	O	O	A	O	O		O	O	O	O	O	O	O		
CALCIUM BISULFITE	X	X	A	A	A	A	B	A	A	A	X	A	B	A	X	X	A	A	O	O		O	O	O	O	O	O		
CALCIUM CARBONATE	A	C	B	O	A	A	A	A	A	O	O	O	A	O	O	O	A	O	O		O	O	O	O	O	O	O		
CALCIUM CHLORIDE DILUTE	C	C	B	A	A	A	A	A	A	O	O	O	O	O	O	O	O	B	O		O	O	O	O	O	O	O		
CALCIUM CHLORIDE SATURATED	X	C	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	B	O		O	O	O	A	A	A	O		
CALCIUM HYDROXIDE 10%	A	X	X	X	X	A	A	A	A	A	A	A	A	X	A	A	A	B	O		O	O	O	A	A	A	A		
CALCIUM HYDROXIDE 20%	X	X	X	X	X	A	A	A	A	O	O	O	O	O	O	O	O	B	O		O	O	O	O	A	A	O		
CALCIUM HYDROXIDE 30%	X	X	A	A	X	A	A	A	A	O	O	O	O	O	O	O	O	B	O		O	O	O	O	A	A	O		
CALCIUM HYPOCHLORITE 2% BOILING	X	X	X	X	X	A	A	X	A	O	O	O	O	O	O	O	O	C	O		X	O	O	O	C	C	B	X	
CALCIUM HYPOCHLORITE 100%	A	X	B	A	B	A	A	X	A	C	A	A	B	A	X	C	X	X	C	O		C	O	O	O	O	A	C	C
CALCIUM NITRITE	X	A	B	O	A	A	A	C	A	A	A	A	A	A	A	A	O	O	O		O	O	O	O	O	A	A	O	
CALCIUM SULFATE	X	A	B	O	A	A	A	C	A	O	O	O	O	A	O	O	O	O	O		A	O	O	A	A	A	A		
CANE JUICE	A	O	O	O	O	O	O	A	A	A	O	A	A	O	O	O	O	O	O		B	C	O	A	A	A	O		
CANE SUGAR LIQUORS	O	O	O	O	O	O	O	O	A	A	A	A	O	O	O	X	O	B	O		A	B	O	A	A	A	B		
CARBOLIC ACID (PHENOL)	X	O	C	B	B	B	A	X	A	C	B	A	X	O	X	O	C	X	X	X		A	O	O	O	O	A	A	A
CARBON DIOXIDE	C	A	B	C	A	A	A	A	A	B	B	A	A	O	B	B	A	A	B	O		A	A	O	A	A	A	A	
CARBON DISULFIDE	B	X	X	X	X	B	X	C	A	O	O	O	O	A	O	O	O	X	O		A	C	O	A	A	A	A		
CARBON MONOXIDE	B	O	B	C	A	B	A	A	A	B	A	A	A	A	A	B	A	O	B	O		A	O	O	A	A	A	A	
CARBON TETRACHLORIDE DRY	B	X	X	X	X	A	X	X	A	X	X	A	C	A	C	X	X	A	X	X		O	A	O	O	O	A	A	A

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	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF/Kynar	Polypropylene	Nylon	PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's		
CARBON TETRACHLORIDE WET	C	X	X	C	X	A	X	X	A	O	O	O	O	A	O	O	O	X	X	X	X	X	O	O	O	B	A	A	A	
CARBONIC ACID	B	A	B	A	A	A	B	A	A	A	A	A	B	O	A	B	A	A	X	X	X	A	O	O	O	O	A	A	A	O
CASTOR OIL	A	O	O	O	A	O	O	A	A	A	A	A	B	O	O	O	A	A	X	X	X	A	A	O	B	B	A	A	O	
CATSUP (KETCHUP)	B	O	O	O	O	O	O	A	A	C	A	A	A	O	O	O	O	O	O	O	O	X	O	O	X	X	B	B	O	
CAUSTIC	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	X	B	X	X	X	O	O	O	O	A	A	O	
CELLOSOLVE, ACETATE	O	X	B	O	O	B	B	O	O	X	B	X	O	O	O	O	X	O	X	A	X	A	O	O	B	B	B	B	B	
CELLOSOLVE, BUTYL	O	O	O	O	O	O	O	O	O	X	B	X	O	O	O	O	X	O	X	O	X	B	O	O	B	B	B	B	B	
CELLOSOLVE	A	A	X	O	A	A	C	A	A	X	B	B	X	A	B	X	X	O	X	O	X	B	O	O	B	B	B	B	B	
CHINA WOOD OIL (TUNG OIL)	A	O	B	O	O	O	O	O	A	B	X	A	A	O	O	O	X	O	B	O	X	A	O	A	A	A	A	A	A	
CHLORIC ACID (20%)	X	O	B	O	A	A	A	X	A	O	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	X	X	X	X	
CHLORINATED WATER	X	A	X	A	C	B	C	X	A	O	O	O	O	O	O	O	O	O	O	O	O	X	X	O	O	O	O	B	O	
CHLORINE DRY	X	B	X	B	X	A	X	X	A	C	X	A	X	O	X	X	X	O	X	X	X	X	B	O	O	O	A	A	O	
CHLORIN E WET	X	C	X	O	O	X	A	X	X	X	X	A	X	X	O	C	X	X	X	X	X	X	O	O	O	X	X	X	X	
CHLOROACETIC ACID	X	X	X	X	C	B	A	X	A	X	A	X	X	O	X	X	O	X	X	X	X	X	O	O	O	X	B	B	X	
CHLOROBENZENE	A	X	X	B	X	B	X	C	A	X	X	A	X	A	X	X	X	O	X	X	X	B	O	O	A	C	A	A	A	
CHLOROETHANOL	X	X	O	O	X	C	X	X	A	O	O	O	O	O	O	O	O	O	O	O	O	B	O	O	O	B	O	B	O	
CHLOROFORM	B	X	X	X	X	B	X	X	A	X	X	A	X	A	X	X	X	O	X	X	X	X	A	O	A	A	A	A	A	
CHLOROPHENOL	B	X	O	O	O	B	O	X	A	O	O	O	O	A	O	O	O	O	O	O	O	C	O	O	O	B	B	B	O	
CHLOROSULFONIC ACID	X	C	X	X	X	X	X	X	A	X	X	X	X	O	X	X	O	X	O	X	X	X	X	O	O	X	X	O	X	
CHLOROSULFONIC ACID DILUTE	B	A	O	C	X	O	C	O	A	O	O	O	O	O	O	O	O	X	O	O	O	X	O	O	O	X	X	X	X	
CHLOROX (BLEACH)	O	O	O	O	O	O	O	O	O	B	B	A	B	O	O	O	X	O	O	O	O	X	O	O	X	X	A	A	O	
CHOCOLATE SYRUP	O	O	O	O	O	O	O	O	A	A	A	O	A	O	O	O	O	O	O	O	O	A	O	O	X	X	A	A	O	
CHROMIC ACID CONCENTRATED	X	X	C	A	X	B	B	X	A	O	O	O	O	O	O	O	O	X	X	X	X	X	X	O	X	C	C	C	X	
CHROMIC ACID DILUTE	X	A	C	A	B	A	A	C	A	C	C	A	X	O	X	X	X	O	O	O	O	O	O	O	O	O	A	A	O	
CIDER (APPLE JUICE)	A	O	A	O	O	O	O	A	A	A	A	A	A	O	O	O	O	B	O	O	O	B	O	O	X	X	A	A	A	
CITRIC ACID CONCENTRATED	C	X	B	A	B	A	A	X	A	A	A	A	A	O	X	A	A	O	B	A	A	O	O	O	O	O	O	A	O	
CITRIC ACID DILUTE	B	B	B	A	B	A	A	A	A	O	O	O	O	O	O	O	O	B	A	A	A	A	O	O	O	O	A	A	O	
COCA COLA SYRUP	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	A	O	
COCONUT OIL (COCONUT BUTTER)	A	O	A	O	O	O	O	O	A	X	X	A	A	O	O	O	C	O	O	O	O	O	O	O	O	O	O	O	O	O
COD LIVER OIL (FISH OIL)	O	O	O	O	O	O	O	O	A	B	A	A	A	O	O	O	A	O	O	O	O	A	O	O	O	O	A	A	O	
COPPER CYANIDE	O	X	B	O	A	A	A	A	A	A	A	A	A	A	O	A	A	O	O	O	O	X	O	O	A	A	A	A	A	
COPPER FLUORIDE	O	O	B	A	A	A	A	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	X	O	
COPPER NITRITE	A	X	B	O	B	A	A	X	A	O	O	O	O	A	O	O	O	A	O	O	O	X	O	O	O	O	A	A	A	
COPPER SULFATE	A	A	B	A	A	A	A	C	A	A	A	A	A	A	C	B	A	O	B	O	O	O	O	O	O	O	A	A	A	
CORN OIL	A	O	A	O	O	O	O	A	A	X	X	A	A	O	O	O	A	A	A	A	A	A	O	A	A	A	A	A	A	

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COTTONSEED OIL	B	A	B	B	B	A	A	A	A	B	B	A	A	O	X	X	A	O	A	O	A	A	A	O	A	A	A	A
CREOSOTE HOT	X	C	C	A	C	O	X	X	A	B	X	A	A	A	C	X	C	O	X	O	B	O	O	O	B	B	B	B
CRESYLDIPHENYL PHOSPHATE	X	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
CRESYLIC ACID	X	X	X	O	C	B	X	X	A	C	X	A	X	O	X	X	X	O	X	O	A	O	A	A	A	A	A	O
CRUDE OIL	B	X	X	B	A	A	B	A	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	B	A	A	B
CUPRIC CHLORIDE	X	A	B	A	A	B	B	X	A	O	O	O	O	O	O	O	O	O	O	X	O	O	O	X	B	B	C	
CUTTING OIL (SULFUR BASE)	A	O	A	O	O	O	O	O	A	X	X	A	A	O	O	O	A	O	O	O	A	O	A	A	A	A	A	O
CUTTING OIL (WATER SOLUBLE)	A	O	A	O	O	O	O	O	A	X	X	A	A	O	O	O	A	O	O	O	A	O	A	A	A	A	A	O
CYANIC ACID	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O
CYCLOHEXANE	A	A	C	A	X	A	X	A	A	O	O	O	O	A	O	O	O	A	X	A	A	O	A	A	A	A	A	A
CYCLOHEXANOL	A	X	X	A	X	A	B	B	A	A	C	A	C	A	B	X	O	O	O	X	O	O	O	A	A	A	A	A
CYCLOHEXANONE	A	X	X	A	X	C	X	A	A	X	B	X	X	A	B	X	X	O	O	X	A	A	O	A	A	A	A	A
DE-IONIZED WATER	O	O	O	O	O	O	O	O	O	O	A	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
DETERGENT SOLUTIONS	A	O	A	O	O	O	A	O	A	B	A	A	A	O	O	O	X	O	B	O	B	O	O	O	O	A	A	O
DETERGENTS GENERAL	A	B	B	A	A	O	B	A	A	B	A	A	A	O	O	B	X	O	O	O	A	O	O	O	A	A	A	O
DIACETONE ALCOHOL (ACETAL)	A	O	B	O	B	B	B	A	A	X	A	X	X	A	B	X	X	O	C	O	A	A	O	A	A	A	A	A
DIBASIC ESTER	B	X	B	B	X	O	B	B	B	O	B	X	O	O	X	B	X	O	O	O	O	O	O	O	O	O	O	O
DIBUTYL PHTHALATE	O	X	C	A	X	X	B	A	A	X	B	C	X	A	B	X	C	A	B	A	A	O	O	A	A	A	A	A
DICHLOROBENZENE	O	X	X	X	X	B	X	O	A	X	X	A	X	O	X	X	X	O	X	X	O	O	O	A	A	A	A	A
DICHLORODIFLUORO METHANE	O	O	B	O	B	A	B	A	A	O	O	O	O	O	O	O	O	O	X	X	A	O	O	O	A	A	B	O
DICHLOROETHANE	A	X	C	X	X	B	A	X	A	O	O	O	O	A	O	O	O	X	X	O	O	O	A	A	A	A	A	A
DICHLOROETHYLENE	O	O	O	X	X	A	A	A	A	O	O	O	O	O	O	O	O	X	X	O	O	O	O	O	O	O	O	O
DIESEL FUEL	A	A	X	X	A	A	A	A	A	C	X	A	A	A	A	X	C	A	B	X	A	O	O	A	A	A	A	A
DIETHANOLAMINE	O	O	O	O	O	O	B	B	A	O	O	O	O	A	O	O	O	X	O	A	O	O	A	A	A	A	A	A
DIETHYL ETHER	A	X	X	A	X	B	X	C	A	C	X	X	X	A	A	X	A	O	C	A	B	O	O	B	B	B	A	A
DIETHYLAMINE	O	O	X	O	X	B	B	A	A	B	B	X	B	A	B	B	C	O	O	O	B	O	O	O	X	B	B	O
DIETHYLENE GLYCOL	O	C	B	A	X	O	A	A	A	A	A	A	A	X	A	X	O	A	A	B	O	O	O	A	A	A	B	A
DIISOBUTYLENE	O	B	O	A	A	A	A	A	A	X	X	A	B	O	A	X	X	O	O	O	A	O	O	O	A	A	A	O
DIMETHYL ANILINE	O	X	O	A	X	B	X	A	A	C	B	X	C	O	X	C	X	O	O	O	O	O	O	O	O	O	O	O
DIMETHYL FORMAMIDE	C	X	B	A	X	X	A	A	A	C	B	X	B	A	X	X	X	O	B	A	A	O	O	A	A	A	A	O
DIMETHYL PHTHALATE	O	X	O	O	X	B	B	C	A	X	B	B	X	A	B	X	O	O	A	B	A	O	O	O	O	A	A	O
DIMETHYL SULFOXIDE	X	A	B	O	X	O	A	A	A	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O
DIOCTYL PHTHALATE	O	X	X	O	X	B	X	A	A	X	B	B	C	A	B	X	X	O	A	A	A	O	O	A	A	A	A	A
DIPHENYL	O	O	O	O	O	O	X	O	A	X	X	A	X	A	B	X	X	O	O	O	A	O	O	B	B	B	B	O
DIPHENYL ETHER	O	O	O	O	X	O	X	A	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	A	A	A	O

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Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

- A - Excellent
- B - Good
- C - Poor, probably not suitable
- X - Not recommended, unsatisfactory
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	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon ^{PTFE}	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
DIPHENYL OXIDE	O	O	O	O	X	B	O	O	A	X	X	A	X	A	X	X	O	O	O	A	O	O	O	A	A	A	A	
DIPROPYLENE GLYCOL	O	C	B	O	C	B	A	O	A	O	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	A	O	
DOW THERM	O	B	O	X	O	X	A	A	A	O	O	O	O	O	O	O	O	O	O	A	O	O	A	A	A	A	A	
DRILLING MUD (OIL BASE)	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
DRILLING MUD (WATER BASE)	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
DRY CLEANING FLUID	O	O	O	O	O	O	O	O	A	X	X	A	X	O	O	O	X	O	O	O	A	O	A	A	A	A	A	
EPICHLOROHYDRIN DRY	A	X	O	O	X	X	B	A	A	X	B	X	X	A	X	X	X	O	X	O	A	O	O	A	A	A	A	
ETHANE	A	O	O	O	X	O	C	A	A	B	X	A	A	A	A	X	C	O	O	O	A	O	O	A	A	A	A	
ETHANOL	A	B	A	A	A	A	A	C	A	O	O	O	O	A	O	O	O	A	A	O	O	O	O	O	O	O	O	
ETHANOLAMINE	X	B	O	A	X	X	B	A	A	B	B	X	B	A	B	B	C	O	O	O	B	O	O	A	A	A	A	
ETHERS	A	X	X	B	X	X	X	A	A	O	O	O	O	A	O	O	O	A	X	O	B	A	A	B	B	B	B	
ETHYL ACETATE 120° F	A	X	X	A	X	O	B	A	A	O	O	O	O	O	O	O	O	O	O	O	B	B	O	O	B	B	B	
ETHYL ACETATE 140° F	O	X	X	X	X	X	B	B	A	O	O	O	O	O	O	O	O	O	O	O	B	O	O	O	B	B	B	
ETHYL ACETATE 70° F	A	X	C	A	X	A	A	A	A	O	O	O	O	O	O	O	C	A	O	B	B	O	B	B	B	B	B	
ETHYL BENZENE	A	X	X	A	X	O	X	O	A	X	X	A	X	A	X	X	X	O	O	X	A	O	O	A	A	B	B	A
ETHYL BENZOATE	O	X	C	O	X	O	C	X	A	X	X	A	X	A	B	X	X	O	O	O	A	O	O	A	A	A	A	
ETHYL BUTYRATE	O	X	X	O	X	O	X	A	A	O	O	O	O	A	O	O	O	O	O	O	B	O	O	A	B	A	A	O
ETHYL CHLORIDE WET	A	X	X	X	X	A	X	A	A	X	A	A	A	A	X	B	B	O	X	X	B	A	O	O	X	X	A	X
ETHYL ETHER	B	X	X	X	X	A	X	B	A	C	C	X	C	A	B	X	C	O	O	O	B	O	O	O	B	B	B	B
ETHER SULFATE	O	O	O	O	O	O	O	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	B	O	X	X	O
ETHYLENE BROMIDE	O	O	X	O	X	A	X	O	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	B	O	B	O
ETHYLENE CHLORIDE	A	X	X	B	X	A	X	B	A	X	C	B	X	A	B	X	X	O	O	O	B	O	O	O	C	A	A	O
ETHYLENE CHLOROHYDRIN	X	X	X	O	X	B	X	X	A	B	B	A	X	A	B	B	X	O	X	X	B	O	O	B	B	B	B	O
ETHYLENE DIAMINE	A	A	O	A	O	X	O	B	A	A	A	X	A	O	X	B	X	O	O	O	O	O	O	A	A	A	A	A
ETHYLENE DIBROMIDE	O	O	O	O	X	A	B	O	A	O	O	O	O	A	O	O	O	O	O	O	X	O	O	O	B	B	B	B
ETHYLENE DICHLORIDE	C	X	X	C	X	A	X	B	A	X	C	A	X	O	X	X	X	A	X	X	B	O	O	O	A	A	A	A
ETHYLENE GLYCOL	B	A	B	A	A	A	A	A	A	A	A	A	A	A	C	A	B	O	C	A	B	A	O	B	B	B	A	B
ETHYLENE OXIDE	O	X	X	O	X	B	C	A	A	X	C	X	X	A	O	X	X	O	A	O	X	O	O	O	C	C	C	O
FATTY ACIDS	A	A	B	A	B	A	B	A	A	B	C	A	B	O	X	X	O	A	B	X	A	O	O	O	C	A	A	B
FERRIC CHLORIDE	A	X	B	X	X	A	B	X	A	A	A	A	A	O	A	A	A	B	O	A	X	X	O	X	X	X	X	X
FERRIC CHLORIDE CONCENTRATED	A	A	B	A	A	A	B	X	A	A	A	A	A	O	A	A	A	O	O	X	O	O	X	X	X	X	X	X
FERRIC NITRATE	A	A	B	A	A	A	A	X	A	A	A	A	A	A	A	A	A	O	O	X	X	O	X	X	B	B	B	B
FERRIC SULFATE	B	A	A	O	A	A	B	X	A	A	A	A	A	A	A	A	O	A	O	X	X	O	X	X	B	A	X	X
FERROUS CHLORIDE	B	X	B	A	A	A	A	X	A	O	O	O	O	A	O	O	O	A	O	X	X	O	O	X	X	X	X	X
FERROUS SULFATE	B	A	B	O	A	A	A	X	A	O	O	O	O	A	O	O	O	A	O	X	O	O	O	X	B	B	O	O

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	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon	PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
FLUOBORIC ACID	O	O	B	A	A	A	A	X	A	A	A	O	A	O	B	A	O	O	X	O	O	O	A	A	O	A	O		
FLUORINE GAS DRY - 300° F	B	C	X	C	X	A	X	X	A	O	O	O	O	A	O	O	O	X	O	O	O	B	O	O	O	C	A	B	A
FLUORINE GAS DRY - 300° F	X	X	X	X	X	X	X	X	X	O	O	O	O	O	O	O	O	X	O	O	O	B	O	O	O	X	A	B	A
FLUORINE GAS WET	O	C	X	C	X	A	X	X	A	X	X	O	X	O	X	X	X	O	O	O	X	O	O	O	X	X	X	X	
FLUOSILICIC ACID	O	O	C	A	A	B	A	X	A	B	B	A	A	O	X	C	O	O	B	O	X	A	O	O	O	O	O	O	
FORMALDEHYDE	B	A	A	A	B	A	A	C	B	B	A	X	C	A	B	B	X	O	C	A	B	O	O	O	X	X	A	X	
FORMIC ACID	X	X	C	A	C	A	B	X	A	C	A	C	X	O	O	A	C	O	C	A	X	X	O	O	X	C	C	X	
FREON BF	O	O	O	O	O	O	O	O	A	B	X	A	B	O	O	O	O	O	O	O	X	O	O	A	A	A	A	A	
FREON C316	O	O	O	O	O	O	O	O	A	A	O	A	A	O	O	O	O	O	O	O	X	O	O	O	O	O	O	O	O
FREON C318	O	O	O	O	O	O	O	O	A	A	A	B	A	O	O	O	O	O	O	O	X	O	O	A	A	A	A	A	
FREON DRY	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	B	A	A	A	
FREON DRY F11	B	X	C	O	C	A	X	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	A	A	A	A	
FREON DRY F12, F113, F114	B	X	C	O	A	A	X	O	O	O	O	O	O	O	O	O	O	O	O	O	X	A	O	O	A	A	A	A	
FREON DRY F21, F22	B	X	C	O	X	A	X	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	A	A	A	A	
FREON K-142B	O	O	O	O	O	O	O	O	O	A	A	X	A	O	O	O	O	O	O	O	X	O	A	A	A	A	A	A	
FREON K-152A	O	O	O	O	O	O	O	O	O	A	A	X	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
FREON K-152K	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	A	A	A	A	A	A	
FREON MF	O	O	O	O	O	O	O	O	O	X	X	B	B	O	O	O	O	A	B	X	O	A	A	A	A	A	A	A	
FREON PCA	O	O	O	O	O	O	O	O	O	A	X	B	A	O	O	O	A	O	O	O	X	O	A	A	A	A	A	A	
FREON T-P35	O	O	O	O	O	O	O	O	A	A	O	A	A	O	O	O	A	O	O	O	X	O	O	O	O	O	O	O	O
FREON T-WD602	O	O	O	O	O	O	O	O	A	B	O	A	B	O	O	O	A	O	O	O	X	O	O	O	O	O	O	O	O
FREON TA	O	O	O	O	O	O	O	O	A	A	O	X	A	O	O	O	A	O	O	O	X	O	O	O	O	O	O	O	O
FREON TC	O	O	O	O	O	O	O	O	A	A	O	A	A	O	O	O	A	O	O	O	X	O	O	O	O	O	O	O	O
FREON TF	O	O	O	O	O	O	O	X	A	A	X	B	A	O	O	O	A	O	A	X	X	O	O	O	O	O	O	O	O
FREON TMC	O	O	O	O	O	O	O	O	A	B	O	A	B	O	O	O	B	O	O	O	X	O	O	O	O	O	O	O	O
FREON - WET	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	B	O	O	O	X	C	X	A	
FREON 11	O	O	O	O	A	B	B	O	A	X	X	B	B	O	O	O	O	A	B	X	O	O	A	A	A	A	A	A	
FREON 112	O	O	O	O	O	O	O	O	A	B	X	A	B	B	O	O	B	O	O	O	X	O	O	A	A	A	A	A	
FREON 113	O	O	O	O	O	O	O	O	A	A	X	B	A	O	O	O	A	O	A	X	X	O	O	A	A	A	A	A	
FREON 114	O	O	O	O	O	O	O	O	A	A	A	A	A	O	O	O	O	A	O	O	X	O	O	A	A	A	A	A	
FREON 114B2	O	O	O	O	O	O	O	O	A	A	X	B	B	O	O	O	O	O	O	O	X	O	O	A	A	A	A	A	
FREON 115	O	O	O	O	A	O	O	O	A	A	A	A	A	O	O	O	O	O	O	O	X	O	O	A	A	A	A	A	
FREON 12	O	O	O	O	A	B	A	B	A	A	B	A	A	O	O	O	A	O	A	X	X	A	A	A	A	A	A	A	
FREON 13	O	O	O	O	O	O	O	O	A	A	A	A	A	O	O	O	C	O	O	O	X	O	A	A	A	A	A	A	
FREON 13BL	O	O	O	O	O	O	O	O	A	A	A	A	A	O	O	O	O	O	O	O	X	O	A	A	A	A	A	A	

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	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Poly sulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's
FREON 14	0	0	0	0	0	0	0	0	A	A	A	0	0	0	0	0	0	0	0	X	0	A	A	A	A	A	
FREON 142B	0	0	0	0	0	0	0	0	0	A	0	0	X	A	0	0	0	0	0	X	0	0	0	0	0	0	
FREON 152A	0	0	0	0	0	0	0	0	A	A	0	X	A	0	0	0	0	0	0	0	0	0	0	0	0	0	
FREON 21	0	0	0	0	0	0	0	0	A	B	X	X	X	A	0	0	0	0	0	X	0	0	A	A	A	A	
FREON 21B	0	0	0	0	0	0	0	0	A	A	0	A	A	0	0	0	0	0	0	X	0	0	0	0	0	0	
FREON 22	0	0	0	0	X	B	X	B	A	A	A	X	X	0	0	X	0	X	X	B	0	A	A	A	A	A	
FREON 31	0	0	0	0	0	0	0	0	A	A	A	X	X	0	0	0	0	0	0	X	0	A	A	A	A	A	
FREON 32	0	0	0	0	0	0	0	0	A	A	A	X	A	0	0	0	0	0	0	X	0	A	A	A	A	A	
FREON 502	0	0	0	0	0	0	0	0	A	A	A	B	B	0	0	0	0	0	0	X	0	A	0	A	A	A	
FUEL OIL	C	X	X	X	A	B	C	A	A	B	X	A	A	0	A	X	X	A	B	0	B	A	0	A	A	A	
FURAN	0	0	0	0	0	X	0	0	A	X	C	0	X	0	B	X	0	0	0	A	A	0	0	A	A	A	
FURFURAL	B	X	X	A	X	B	X	B	A	C	B	X	X	A	X	X	C	0	B	A	A	0	B	B	B	B	
GALLIC ACID	0	0	B	A	A	B	A	B	A	B	B	A	B	0	0	B	X	A	X	0	X	0	0	X	X	B	
GAS	A	0	X	0	A	A	B	A	A	C	X	A	A	0	A	X	B	0	0	0	0	0	0	0	0	0	
GAS NATURAL	A	0	X	0	X	A	B	A	A	C	X	A	A	0	A	X	B	0	B	X	A	0	0	A	A	A	
GASOLINE (AVIATION)	0	0	0	C	0	0	0	0	0	A	0	0	0	B	0	0	0	A	0	0	A	A	A	A	A	A	
GASOLINE LEADED REFINED	B	C	X	C	A	X	C	A	A	0	0	0	0	A	0	0	0	A	0	B	0	0	0	B	A	A	
GASOLINE (METER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	X	A	A	A	A	A	
GASOLINE SOUR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	0	0	B	B	A	X	
GASOLINE UNLEADED REFINED	B	C	X	C	A	X	C	A	A	0	0	0	0	0	0	0	0	A	0	A	0	0	0	B	A	A	
GELATIN	B	0	A	A	A	A	A	A	A	A	A	A	A	0	X	A	X	0	B	0	B	B	0	0	X	A	
GLUCOSE	A	A	A	A	A	A	A	B	A	A	A	A	A	X	A	X	A	B	0	A	A	0	A	B	A	A	
GLUE	B	0	A	A	A	0	A	A	A	A	A	A	A	X	B	A	0	B	0	C	0	0	0	B	B		
GLYCERINE	A	A	B	A	A	A	A	C	A	A	A	A	A	B	A	X	A	B	X	A	A	0	B	B	A	A	
GLYCOL	B	A	C	A	A	A	A	C	A	A	A	A	A	A	A	X	0	0	0	B	0	0	0	B	B	B	
GLYCOLIC ACID	0	0	A	0	A	B	A	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	A		
GRAPE JUICE	A	0	A	0	A	0	0	0	A	A	0	A	A	0	0	0	0	0	0	B	0	0	X	X	A	A	
GRAPEFRUIT OIL	0	0	0	0	0	0	0	0	A	X	0	0	X	0	0	0	0	0	0	0	0	0	X	X	A	A	
GREASE (ESTER BASE)	0	0	0	0	A	0	A	A	A	0	0	A	0	0	0	0	0	0	0	A	A	0	A	A	A	A	
GREASE (PETROLEUM BASE)	0	0	0	0	A	0	A	A	A	X	X	A	A	0	0	A	0	A	X	A	A	0	A	A	A	A	
GREASE (SILICONE BASE)	0	0	0	0	A	0	A	A	A	0	0	0	0	0	0	0	0	0	0	A	A	0	A	A	A	A	
HELIUM	A	A	0	0	0	0	A	A	A	0	0	0	0	0	0	0	0	0	0	A	0	0	0	A	A	A	
HEPTANE	B	A	C	A	X	A	X	A	A	0	0	0	A	0	0	0	A	B	A	A	A	0	A	A	A	A	
HEXAMINE	0	0	0	0	0	0	0	0	A	0	0	0	0	A	0	0	0	0	0	X	0	0	A	A	A	A	
HEXANE	C	X	X	C	X	A	C	A	A	B	X	A	A	A	A	X	B	A	A	0	A	A	0	A	A	A	

*Not recommended for use above 160°F

Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

A - Excellent

B - Good

C - Poor, probably not suitable

X - Not recommended, unsatisfactory

O - Information not available or not rated

	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon ^{PTFE}	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
HEXANOL TERTIARY	A	O	B	O	B	O	B	A	A	O	O	O	O	O	O	O	O	O	O	A	A	O	A	A	A	A	O	
HONEY	O	O	O	O	A	O	A	A	A	A	O	A	O	O	O	O	O	O	O	A	O	O	A	A	A	A	A	
HYDRAULIC FLUID (PETROLEUM)	C	A	X	A	X	O	X	A	A	B	X	A	O	O	A	X	A	A	A	X	A	O	O	A	A	A	O	
HYDRAULIC FLUID (SYNTHETIC)	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	A	O	A	A	A	A	A	
HYDRAZINE	B	O	O	O	X	A	C	O	A	B	A	X	B	A	X	A	X	O	X	O	B	O	O	X	X	A	A	B
HYDROBROMIC ACID	X	X	B	A	B	A	B	X	A	X	A	A	X	O	B	X	X	O	O	O	X	X	O	X	X	X	X	
HYDROCARBONS (SATURATED)	O	O	O	O	O	O	O	O	O	B	X	A	A	A	O	O	B	O	O	O	O	O	O	O	O	O	O	
HYDROCHLORIC ACID - 10%	X	X	B	A	A	A	A	X	A	X	A	A	B	O	B	X	X	O	X	A	X	X	O	X	X	X	X	
HYDROCHLORIC ACID - 20%	X	X	C	A	A	A	A	X	A	X	A	A	B	O	B	X	X	O	X	A	O	O	O	O	O	O	O	
HYDROCHLORIC ACID - 30% (CONC.)	X	X	X	C	A	A	B	X	A	X	A	B	C	O	X	X	X	O	X	C	O	O	O	O	O	O	O	
HYDROCYANIC ACID	X	O	A	A	A	A	A	X	A	B	A	A	B	O	X	B	O	O	X	A	O	O	O	O	O	O	O	
HYDROFLUORIC ACID	X	X	C	A	C	A	A	X	A	X	C	A	X	O	X	X	C	O	X	X	X	O	O	X	X	X	X	
HYDROFLUORIC ACID (HOT)	X	X	X	X	X	A	X	X	A	X	X	C	X	O	X	X	X	O	O	O	X	O	O	X	X	B	X	
HYDROFLUOSILICIC ACID	O	O	B	A	X	A	A	X	A	B	B	A	B	O	X	C	O	O	B	O	X	O	O	X	X	X	X	
HYDROGEN CHLORIDE GAS DRY	O	O	A	O	A	A	A	O	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	B	A	A	X
HYDROGEN CHLORIDE GAS WET	O	O	O	O	O	A	A	O	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	B	X	B	X
HYDROGEN CYANIDE	O	O	A	O	A	A	A	B	A	O	O	O	O	O	O	O	O	O	X	A	A	O	O	B	B	B	A	C
HYDROGEN FLUORIDE ANHYDROUS	O	B	B	O	O	A	A	X	A	O	O	O	O	O	O	O	O	O	O	O	X	B	O	X	X	B	A	C
HYDROGEN GAS	C	A	A	A	A	A	A	A	A	A	A	A	O	C	A	A	O	O	O	A	A	O	A	A	A	A	A	A
HYDROGEN PEROXIDE - 3%	X	A	B	A	A	A	A	X	A	X	B	A	B	O	X	X	O	O	X	O	O	O	O	O	O	O	O	O
HYDROGEN PEROXIDE - 10%	X	A	B	A	A	A	A	X	A	X	B	A	C	O	X	X	O	O	X	O	O	O	O	O	O	O	O	O
HYDROGEN PEROXIDE - 30%	X	O	O	A	A	A	A	X	A	X	B	A	C	O	X	X	O	O	X	O	O	O	O	O	O	O	O	O
HYDROGEN PEROXIDE - 90%	X	O	O	O	O	A	A	X	A	X	C	A	X	O	X	X	O	O	X	O	O	O	O	O	O	O	O	O
HYDROGEN SULFIDE DRY	A	B	A	A	A	A	A	C	A	O	O	O	O	A	O	O	O	A	O	O	B	C	O	B	B	C	A	O
HYDROGEN SULFIDE WET	C	B	A	A	A	A	A	X	A	B	A	X	X	O	A	X	O	O	A	O	A	C	O	A	A	A	A	O
HYPOCHLOROUS ACID	O	O	A	A	A	A	A	X	A	X	B	A	X	O	X	X	O	O	O	O	X	O	O	X	X	X	X	X
INK (PRINTERS)	A	O	A	A	O	O	O	A	A	A	A	A	O	O	O	O	A	A	O	O	C	O	O	A	X	A	A	O
IODINE	O	O	X	A	X	A	X	X	A	O	O	O	O	A	O	O	O	O	B	O	X	O	O	X	X	X	X	O
ISOBUTYL ALCOHOL	A	A	A	A	C	A	A	B	A	A	A	A	B	A	B	B	X	O	O	O	B	O	O	O	B	A	A	A
ISOOCTANE	O	B	O	A	A	A	A	A	A	B	X	A	A	A	A	X	B	O	A	X	A	A	O	A	A	A	A	O
ISOOCTANE AT 120° F	O	O	O	A	O	A	A	O	A	B	X	A	A	A	A	X	B	O	O	O	O	O	O	O	O	O	O	O
ISOOCTANE AT 150° F	O	O	O	A	O	A	X	O	A	B	X	A	A	A	A	X	B	O	O	O	O	O	O	O	O	O	O	O
ISOPROPYL ACETATE	O	X	C	C	X	O	B	B	A	X	B	X	X	A	B	X	X	O	C	O	B	O	O	B	B	B	A	O
ISOPROPYL ACETATE AT 120° F	O	X	C	O	X	O	C	A	A	X	B	X	X	A	B	X	X	O	O	O	O	O	O	O	O	O	O	O
ISOPROPYL ACETATE AT 150° F	O	X	C	O	X	O	O	A	A	X	B	X	X	A	B	X	X	O	O	O	O	O	O	O	O	O	O	O
ISOPROPYL ALCOHOL	A	A	B	A	B	A	A	X	A	B	A	A	B	A	A	B	C	A	A	O	A	A	O	A	A	A	A	O

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	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
ISOPROPYL ETHER	O	O	O	A	C	O	X	A	A	C	X	X	B	A	A	X	B	O	O	O	A	A	O	A	A	A	O	
ISOPROPYL ETHER TO 70° F	O	O	O	A	C	O	A	A	A	C	X	X	B	A	A	X	B	O	O	O	O	O	O	O	O	O	O	
ISOPROPYL ETHER 120° F - 150° F	O	O	O	A	C	O	X	O	A	C	X	X	B	A	A	X	B	O	O	O	O	O	O	O	O	O	O	
JET FUEL	A	A	X	O	A	A	A	A	A	O	O	O	O	A	O	O	O	O	X	A	O	O	A	A	A	A	A	
JET FUEL TO 70° F	A	A	X	O	A	A	A	A	A	O	O	O	O	A	O	O	O	X	O	O	O	O	O	O	O	O	O	
JET FUEL 120° F - 150° F	A	A	X	O	A	A	X	A	A	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	
JP-X	A	O	A	O	O	O	O	O	A	B	X	X	A	O	O	O	O	O	O	A	O	O	A	A	A	A	A	
JP-1	A	O	A	O	O	O	O	O	A	X	X	A	A	O	O	O	A	O	O	O	A	O	O	A	A	A	A	
JP-2	A	O	A	O	O	O	O	O	A	X	X	A	A	O	O	O	A	O	O	O	A	O	O	A	A	A	A	
JP-3	A	O	A	O	O	O	O	O	A	X	X	A	A	O	O	O	A	O	O	O	A	O	O	A	A	A	A	
JP-4	A	O	A	O	B	O	O	O	A	X	X	A	A	O	O	O	A	O	A	X	A	O	O	A	A	A	A	
JP-5	A	O	A	O	B	O	O	O	A	X	X	A	A	O	O	O	A	O	O	O	A	O	O	A	A	A	A	
JP-6	A	O	A	O	O	O	O	O	A	X	X	A	A	O	O	O	A	O	O	O	A	O	O	A	A	A	A	
KEROSENE	A	A	C	C	A	A	X	A	A	X	X	A	A	A	B	X	A	A	A	X	A	A	O	A	A	A	A	
KEROSENE TO 70° F	A	A	B	O	A	A	A	A	A	B	X	A	A	A	B	X	A	A	B	X	O	O	O	O	O	O	O	
KEROSENE 120°F - 150°F	A	C	C	O	A	A	X	A	A	B	X	A	A	A	B	X	A	A	O	O	O	O	O	O	O	O	O	
KETCHUP	A	O	A	O	O	O	O	A	A	A	A	A	A	O	O	O	A	A	O	O	O	O	O	O	A	A	A	
KETONES	A	X	C	C	X	X	X	A	A	O	O	O	O	O	O	O	A	X	X	O	B	O	O	A	A	A	A	
LACQUER SOLVENTS	A	O	A	O	O	O	O	O	A	X	X	X	O	O	O	O	X	B	X	O	A	A	A	B	B	A	A	A
LACQUERS	B	X	B	O	X	O	X	A	A	X	X	X	X	A	A	X	X	O	X	O	A	C	O	O	A	A	A	A
LACTIC ACID	C	B	C	A	C	C	B	X	A	A	A	A	O	C	A	O	A	X	O	X	X	O	O	X	X	B	B	X
LARD	B	A	B	A	A	A	B	A	A	B	B	A	A	O	X	X	A	A	B	A	O	O	O	O	O	O	O	O
LARD OIL (COLD)	A	O	A	O	O	O	O	O	A	B	X	A	A	O	O	O	B	A	O	O	A	O	O	A	A	A	A	A
LARD OIL (HOT)	A	O	A	O	O	O	O	O	A	B	X	A	A	O	O	O	B	A	O	O	A	O	O	A	A	A	A	A
LATEX	C	O	B	O	O	O	A	A	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	A	A	O
LAUREL ALCOHOL (N-DODECANOL)	O	O	O	O	O	O	O	O	A	O	O	B	A	O	O	O	O	O	O	O	A	O	O	A	A	A	O	O
LEAD ACETATE	A	O	A	A	A	A	A	B	A	B	A	X	B	A	X	X	X	A	O	O	X	O	O	X	X	B	B	B
LEAD MOLTEN	X	X	X	X	X	X	X	X	X	O	O	O	O	O	O	O	O	O	O	O	B	O	O	O	O	B	B	B
LEAD NITRATE	O	A	A	A	A	A	A	O	A	O	O	O	O	A	O	O	O	O	O	O	X	O	O	O	O	B	B	O
LEAD SULFAMATE	O	A	A	O	A	O	A	B	A	A	A	A	B	O	X	B	O	O	O	O	C	O	O	O	C	C	C	O
LIME (CALCIUM OXIDE)	X	O	B	O	A	A	A	A	A	O	O	O	O	O	O	O	O	B	O	O	X	O	O	O	A	A	A	A
LIME SULFUR	O	O	A	A	A	B	A	B	A	A	A	A	X	O	X	X	O	O	O	O	X	O	O	O	C	A	A	B
LINEOLEIC ACID	O	O	X	O	A	A	B	O	A	X	X	B	B	O	X	X	O	O	O	O	A	O	O	X	X	B	A	B
LINSEED OIL	A	A	X	A	A	A	A	A	A	B	C	A	A	O	A	X	B	A	B	O	B	B	O	A	A	A	A	A
LITHIUM CHLORIDE	A	C	A	X	A	O	O	O	A	O	O	O	O	A	O	O	O	O	O	O	X	O	O	O	B	A	A	X

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Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

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	Acetal	Polyacrylonitrile	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF/Kynar	Polypropylene	Nylon	PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's
LITHIUM HYDROXIDE	X	X	X	X	A	O	A	O	A	O	O	O	O	A	O	O	O	O	O	O	X	O	O	O	B	B	B	B
LPG (PROPANE)	A	O	C	O	A	A	A	B	A	B	X	A	A	A	A	X	C	O	O	O	O	O	O	O	O	O	O	O
LUBRICATING OIL	A	A	X	A	B	A	A	A	A	B	X	A	A	O	C	X	B	A	A	O	A	A	O	A	A	A	A	A
LUBRICATING OIL DI-ESTER	O	O	O	O	O	O	O	O	O	X	X	A	B	O	O	O	O	X	O	O	A	O	O	A	A	A	A	A
LYE (SODIUM HYDROXIDE)	X	X	B	A	B	A	A	C	A	B	A	B	B	A	C	B	X	O	C	A	O	O	O	O	O	O	O	O
LYE CONCENTRATED	X	O	O	O	B	O	A	X	A	B	A	B	B	A	C	B	X	O	O	O	X	O	O	O	C	B	X	A
LYE 10%	A	C	O	O	O	O	O	A	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	C	B	A	A
LYE 50%	C	X	B	A	A	A	O	X	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	C	B	B	A
M CRESOL	X	X	X	A	X	B	X	X	A	C	X	A	X	O	X	X	X	O	O	O	O	O	O	O	O	O	O	O
MAGNESIUM BISULFATE	O	B	O	O	A	O	A	A	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	O	A	B	O
MAGNESIUM CARBONATE	A	B	A	O	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	B	O	O	B	B	A	A	A
MAGNESIUM CHLORIDE	B	A	A	A	A	A	A	A	A	A	A	A	O	C	A	A	A	B	O	X	X	O	B	B	X	B	O	
MAGNESIUM HYDROXIDE	A	B	A	A	A	A	A	B	A	A	A	A	B	A	C	B	X	A	C	O	X	X	O	A	A	A	A	
MAGNESIUM NITRATE	O	B	A	A	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	B	B	B	B	B
MAGNESIUM SULFATE	A	B	A	O	A	A	A	A	A	A	A	A	A	B	B	O	A	B	O	B	O	O	B	B	A	B	B	
MALEIC ACID	O	O	B	A	A	A	A	X	A	C	B	A	X	O	B	C	O	A	O	O	B	O	O	O	X	A	A	A
MALIC ACID	O	O	B	O	A	A	A	X	A	C	X	A	A	O	O	C	O	A	O	O	B	B	O	O	X	A	A	B
MALT BEVERAGES	A	O	A	O	O	O	O	O	A	A	A	A	A	O	O	O	X	O	O	O	A	O	O	X	X	A	A	O
MANGANESE CHLORIDE	O	O	A	A	A	O	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
MANGANESE SULFATE	A	A	A	O	B	O	B	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	B	O	O	O
MASH	A	O	O	O	O	O	O	O	O	A	O	A	A	O	O	O	O	O	O	O	A	O	O	O	O	O	A	A
MAYONNAISE	A	O	X	O	O	O	O	A	A	X	X	A	A	O	O	O	O	A	O	O	O	O	X	X	B	A	B	B
MERCURIC CHLORIDE	B	A	A	A	A	A	A	X	A	O	O	O	O	O	O	O	O	O	O	O	X	X	O	X	X	X	X	X
MERCURIC CYANIDE	O	O	A	O	B	A	A	O	A	O	O	O	O	O	O	O	O	O	O	O	X	X	O	X	X	B	B	X
MERCURIUS NITRATE	O	A	A	O	B	A	A	O	A	O	O	O	O	O	O	O	O	O	O	O	X	X	O	O	B	B	B	B
MERCURY	C	O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	O	O	X	X	O	O	B	A	A	A	A
METHANE	A	O	C	O	A	A	A	A	B	X	B	A	A	A	X	C	O	B	X	A	O	O	O	X	A	A	A	A
METHYL ACETATE	B	O	B	O	X	O	A	A	A	B	A	X	X	A	B	C	X	O	C	O	B	O	O	B	B	A	A	A
METHYL ACETONE	O	O	O	O	X	O	O	A	A	O	O	O	O	O	O	O	O	O	O	O	A	A	O	A	A	A	A	O
METHYL ALCOHOL	A	C	B	A	C	A	A	X	A	A	A	X	A	A	B	A	X	A	A	A	A	A	O	A	A	A	A	B
METHYL AMINE	O	O	O	O	X	O	A	O	A	O	O	O	O	O	O	O	O	O	O	O	A	X	O	A	A	A	A	O
METHYL BROMIDE	O	O	X	C	X	A	X	X	A	X	X	A	B	A	O	X	O	O	X	X	X	O	O	A	A	A	A	O
METHYL CELLOSOLVE	O	O	O	O	X	A	B	A	A	C	B	X	C	O	O	X	X	O	O	A	B	B	O	B	B	B	B	B
METHYL CHLORIDE DRY	B	X	X	O	X	A	X	X	A	X	C	B	X	O	C	X	X	O	X	X	X	A	O	X	X	A	A	B
METHYL CHLORIDE WET	B	X	X	O	X	A	X	X	A	X	C	B	X	O	C	X	X	O	O	O	X	A	O	X	X	A	A	B

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METHYL ETHYL KETONE	B	X	X	A	X	C	C	C	A	X	A	X	O	B	X	X	O	A	X	B	A	O	A	A	A	A	A	
METHYL ISOBUTYL KETONE	O	X	B	O	X	B	X	C	A	X	B	X	X	A	B	X	X	O	O	O	A	O	O	O	A	A	A	O
METHYLENE CHLORIDE	X	X	C	B	X	B	X	X	A	X	C	B	X	O	X	X	X	O	X	X	X	B	O	B	B	B	B	B
MILK	A	A	A	A	A	A	A	A	A	A	A	A	O	B	A	X	A	B	O	A	X	O	X	X	A	A	B	
MINERAL OIL	A	B	C	C	B	A	C	A	A	B	C	A	A	O	B	X	A	A	A	X	A	A	O	A	A	A	A	
MIXED ACIDS	O	O	C	O	X	A	X	X	A	O	O	O	O	O	O	O	O	O	O	X	X	O	X	X	X	X	X	
MOLASSES	B	O	A	A	A	B	A	A	A	A	A	A	O	O	O	A	A	B	O	A	B	O	B	B	A	A	B	
MONOCHLOROACETIC ACID	X	X	X	X	C	B	A	X	X	A	O	O	O	O	O	O	O	X	X	X	O	O	O	X	C	B	X	
MONOCHLOROBENZENE	A	X	X	B	X	B	X	C	A	X	X	A	X	O	X	X	X	O	C	X	B	O	O	O	O	B	B	B
MONOCHLORODIFLUOROMETHANE	O	O	O	O	X	B	A	X	A	O	O	O	O	O	O	O	O	X	X	X	X	O	O	O	X	A	A	A
MONOETHANOLAMINE	X	X	O	O	X	X	B	A	A	X	A	X	X	A	X	B	X	O	O	O	B	O	O	B	B	A	B	A
MORPHOLINE	O	X	O	O	O	X	B	A	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	A	O	A	O
MOTOR OIL	A	A	C	O	A	A	C	A	A	O	O	O	O	O	O	O	O	B	O	A	O	O	A	A	A	A	A	
MURIATIC ACID	X	X	B	A	A	A	B	X	A	X	C	B	X	O	B	X	X	O	X	A	X	X	O	X	X	X	X	
MUSTARD	A	A	O	O	O	O	A	A	A	O	O	O	O	O	O	O	O	B	A	B	O	O	X	X	X	X	X	
N-OCTANE	O	C	B	O	C	A	A	A	A	X	X	A	B	O	B	X	X	O	O	B	O	O	O	O	O	O	O	O
NAPHTHA	A	O	X	C	C	A	C	A	A	C	X	A	B	A	B	X	B	A	A	X	A	A	O	B	B	A	A	A
NAPHTHALENE	A	O	X	A	X	A	B	A	A	X	X	A	X	A	B	X	B	O	C	X	B	A	O	A	A	A	A	
NICKEL CHLORIDE	B	A	B	A	A	A	A	X	A	A	A	A	A	A	A	A	C	A	X	O	X	X	O	X	X	X	B	X
NICKEL NITRATE	O	A	B	A	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	X	X	O	O	C	B	B	B
NICKEL SULFATE	B	A	B	A	A	A	A	A	A	A	A	A	A	C	B	C	A	X	O	X	X	C	O	X	X	B	B	B
NITRIC ACID - 10%	X	C	C	X	B	A	X	X	A	B	B	A	X	O	X	X	X	O	X	X	X	X	O	X	X	A	A	X
NITRIC ACID - 25%	X	C	C	X	C	A	X	X	A	C	B	A	X	O	X	X	X	O	X	X	B	X	O	X	X	A	A	X
NITRIC ACID - 35%	X	C	O	X	C	A	X	X	A	X	C	A	X	O	X	X	X	O	X	X	A	X	O	X	X	A	A	A
NITRIC ACID - 50%	X	O	O	X	C	A	X	X	A	X	X	A	X	O	X	X	X	O	X	X	B	O	O	B	B	B	A	B
NITRIC ACID - 70%	X	O	O	X	X	A	X	X	A	X	X	B	X	O	X	X	X	O	X	X	A	O	O	O	A	A	A	A
NITRIC ACID CONCENTRATED	X	O	X	X	X	A	O	O	A	X	X	B	X	O	X	X	X	O	X	X	B	O	O	A	B	A	A	A
NITRIC ACID - RED FUMING	X	X	X	X	X	C	X	X	A	X	X	B	X	O	X	X	X	O	X	X	X	X	O	X	X	B	B	B
NITRIC ACID DILUTE	X	A	B	A	A	A	O	O	A	B	B	A	X	O	O	X	X	O	O	O	A	X	O	X	X	A	A	A
NITROBENZENE	B	X	C	A	X	B	X	C	A	X	B	B	X	A	X	X	X	O	X	O	B	O	O	B	B	B	A	B
NITROGEN	A	O	O	O	A	A	O	A	A	A	A	A	A	A	A	A	A	O	B	O	A	O	O	O	A	A	A	A
NITROMETHANE	O	X	O	O	B	A	B	B	A	B	B	X	X	A	C	B	X	O	X	O	B	O	O	A	B	A	A	A
NITROUS ACID	O	O	O	O	C	A	X	X	A	O	O	O	O	O	O	O	O	O	O	O	X	X	O	X	X	B	B	B
NITROUS OXIDE	O	O	X	O	C	X	A	C	A	O	O	O	O	O	O	O	O	O	O	O	B	O	O	B	B	B	B	B
OILS ANIMAL	O	O	X	O	B	O	A	A	A	O	O	O	O	O	O	O	O	O	O	O	A	A	O	A	A	A	A	O

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Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

A - Excellent

B - Good

C - Poor, probably not suitable

X - Not recommended, unsatisfactory

O - Information not available or not rated

	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon ^{PTFE}	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
OILS CRUDE	A	O	X	O	A	A	X	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	B	A	A	A	
OILS MINERAL	A	A	X	A	C	A	A	A	A	O	O	O	O	O	O	O	X	X	O	A	A	O	A	A	A	A	A	
OILS VEGETABLE	A	O	B	A	C	A	A	A	A	O	O	O	O	O	O	O	O	O	O	B	A	O	A	B	A	A	B	
OILS WASTE	B	O	X	X	O	O	O	O	A	O	X	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
OLEIC ACID	C	B	X	A	C	A	B	B	A	C	X	B	C	O	C	X	B	A	A	O	B	C	O	B	B	A	A	B
OLIVE OIL	A	O	A	O	O	O	O	A	X	B	A	A	O	O	O	B	O	O	O	O	A	O	O	A	A	A	A	O
OXALIC ACID	X	B	A	A	C	A	A	B	A	B	A	A	B	O	X	B	O	A	X	A	X	X	O	X	X	X	X	O
OXYGEN	A	A	X	A	A	A	A	B	A	A	A	A	B	A	X	X	A	A	B	A	A	O	B	B	A	A	A	
OZONE	C	X	C	B	X	A	X	X	A	C	A	A	X	O	A	X	A	O	C	O	B	O	O	X	C	B	B	O
P DIOXANE	A	X	X	A	X	X	B	A	A	X	B	B	X	A	X	X	X	O	O	O	O	O	O	O	O	O	O	O
PAINT THINNER, DUCO	A	O	O	O	A	O	O	A	A	X	X	A	X	O	B	X	X	A	O	O	B	X	O	B	B	B	A	B
PAINTS & SOLVENTS	O	O	O	O	O	O	O	O	A	X	O	O	X	O	O	O	O	O	O	O	A	O	O	O	O	A	A	O
PALM OIL	A	O	A	O	O	O	O	O	A	O	A	A	A	O	O	O	A	O	O	O	A	O	O	A	A	A	A	A
PALMITIC ACID	O	O	B	O	X	A	B	C	A	B	B	A	A	O	X	B	A	A	A	A	B	X	O	O	C	B	A	B
PARAFFIN	A	A	X	A	A	O	A	A	A	O	O	O	O	A	O	O	A	O	O	O	A	A	O	A	A	A	A	A
PEANUT OIL	A	O	A	O	O	O	O	A	X	C	A	A	O	O	O	B	O	O	O	O	A	O	A	A	A	A	A	A
PENTANE	O	A	X	O	C	O	O	A	A	O	O	O	O	O	O	O	O	B	O	O	A	O	O	O	C	C	C	O
PERCHLORIC ACID	C	X	X	C	X	A	X	X	X	B	B	A	X	O	C	X	X	O	O	O	X	X	O	X	X	X	X	X
PERCHLOROETHYLENE	A	X	X	B	X	A	X	X	A	X	X	A	B	A	B	X	X	O	X	X	X	O	O	A	A	B	A	O
PETROLEUM	A	O	C	C	C	A	B	A	A	O	A	A	O	X	X	X	B	O	B	C	O	O	O	O	C	A	A	O
PETROLEUM ETHER	A	A	O	A	O	B	A	A	A	O	O	O	O	A	O	O	O	O	O	O	B	O	O	O	B	A	A	A
PHENOL SULFONIC ACID	O	O	O	O	B	B	O	O	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	X	O	B	O
PHOSPHORIC ACID AERATED	X	B	O	A	O	A	B	X	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
PHOSPHORIC ACID AIR FREE	X	B	O	A	O	A	B	X	A	O	O	O	O	O	O	O	O	X	A	O	O	O	O	O	O	O	O	O
PHOSPHORIC ACID BOILING	X	X	X	X	X	A	A	X	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
PHOSPHORUS	O	O	C	A	C	O	B	O	A	O	O	O	O	A	O	O	O	O	O	O	B	O	O	A	A	A	A	A
PHOSPHORUS PENTACHLORIDE	O	A	C	O	X	A	B	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	B	O
PHOSPHORUS TRICHLORIDE	O	A	C	A	X	A	X	O	A	X	A	A	X	A	O	X	O	O	O	O	X	O	O	O	B	A	A	O
PHOSPHORIC ACID AERATED	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	O	X	X	A	B	B
PHOSPHORIC ACID AIR FREE	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	O	X	X	X	A	X
PHOSPHORIC ACID BOILING	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	X	O	X	X	X	X	X
PHOTOGRAPHIC SOLUTIONS	C	A	A	A	A	B	A	A	A	O	O	O	O	A	O	O	O	X	O	A	O	O	X	X	B	A	C	
PHTHALIC ACID	O	O	O	A	O	A	B	B	A	O	O	O	O	O	O	O	O	O	O	O	B	O	O	O	A	B	B	B
PHTHALIC ANHYDRIDE	O	A	O	O	O	O	A	O	A	O	O	O	O	A	O	O	O	O	O	O	A	O	O	A	A	A	A	A
PICRIC ACID	O	O	B	O	X	A	X	X	A	A	B	A	B	O	X	B	B	A	O	O	X	O	O	X	X	B	B	B

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Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

A - Excellent

B - Good

C - Poor, probably not suitable

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	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon ^{PTFE}	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's			
PINE OIL	A	B	B	O	O	B	X	A	A	X	X	A	B	O	B	O	O	A	O	O	A	O	O	B	B	A	A	O		
PLATING SOLUTIONS BRASS	O	O	B	A	A	B	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	
PLATING SOLUTIONS CADMIUM	O	O	B	A	B	B	A	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O		
PLATING SOLUTIONS CHROME	O	O	X	A	B	B	A	X	A	X	A	A	O	A	X	X	O	O	O	O	X	O	O	O	X	O	A	A		
PLATING SOLUTIONS COPPER	O	O	B	A	A	B	A	O	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	A	O		
PLATING SOLUTIONS GOLD	O	O	B	A	O	B	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	
PLATING SOLUTIONS LEAD	O	O	B	A	A	B	A	X	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	A	O	
PLATING SOLUTIONS NICKEL	O	O	B	A	O	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	A	O	
PLATING SOLUTIONS SILVER	O	O	A	A	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	A	O	
PLATING SOLUTIONS TIN	O	O	B	A	A	B	A	X	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	B	A	O	
PLATING SOLUTIONS ZINC	O	O	A	A	A	B	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	
POTASSIUM ACETATE	O	O	O	A	B	O	A	B	A	B	A	X	B	A	X	X	X	O	O	O	X	O	O	B	B	B	B	O	O	
POTASSIUM ALUMINUM SULFATE	A	A	A	A	B	A	A	X	A	O	O	O	O	A	O	O	O	O	O	O	C	O	O	O	X	X	B	X	O	
POTASSIUM BICARBONATE	O	O	A	A	A	B	A	A	A	O	O	O	O	A	O	O	O	A	O	O	C	O	O	B	B	B	B	B	O	
POTASSIUM BICHROMATE	C	A	A	A	A	B	A	X	A	O	O	O	O	O	O	O	O	B	O	O	B	O	O	O	B	B	B	B	O	
POTASSIUM BROMIDE	O	A	A	A	A	A	A	A	A	O	O	O	O	A	O	O	O	A	O	O	X	O	O	O	X	X	B	B	O	
POTASSIUM CARBONATE	B	O	A	A	A	A	A	A	A	O	O	O	O	O	O	O	O	X	O	O	X	O	O	B	B	B	B	B	O	
POTASSIUM CHLORATE	B	O	A	A	A	A	A	X	A	O	O	O	O	A	O	O	O	A	O	O	B	O	O	B	B	B	B	B	O	
POTASSIUM CHLORIDE	B	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	B	O	X	X	O	X	X	B	B	C	B	O	
POTASSIUM CHROMATE	O	O	A	O	A	B	A	A	A	O	O	O	O	A	O	O	O	A	O	O	B	O	O	B	B	B	B	B	O	
POTASSIUM CYANIDE	C	O	A	O	A	A	A	A	A	A	A	A	A	A	A	A	A	B	O	X	X	O	B	B	B	B	B	B	O	
POTASSIUM DICHROMATE	C	A	A	A	A	A	A	X	A	A	A	A	A	A	A	B	B	O	B	O	B	O	O	B	B	B	B	B	O	
POTASSIUM FERRICYANIDE	B	O	A	O	A	A	A	B	A	O	O	O	O	A	O	O	O	O	O	O	B	O	O	O	C	B	B	B	O	
POTASSIUM FERROCYANIDE	B	O	A	O	A	A	A	B	A	O	O	O	O	A	O	O	O	O	O	O	B	O	O	O	C	B	B	O	O	
POTASSIUM HYDRATE	O	O	O	O	B	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	B	A	B	A	O	
POTASSIUM HYDROXIDE	C	X	B	A	A	A	A	X	A	B	A	X	B	A	B	B	X	O	O	O	X	X	O	O	C	B	A	B	O	
POTASSIUM HYPOCHLORITE	O	O	C	O	C	B	X	O	A	O	O	O	O	A	O	O	O	O	O	O	X	O	O	O	X	X	B	X	O	
POTASSIUM IODIDE	O	O	B	B	A	A	A	A	A	O	O	O	O	A	O	O	O	O	O	O	B	O	O	A	A	A	A	A	O	
POTASSIUM NITRATE	B	A	A	A	A	A	A	X	A	A	A	A	A	A	A	A	A	B	P	A	A	O	A	A	B	B	B	B	O	
POTASSIUM OXALATE	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	B	O	O	O	O	B	B	B	B	O
POTASSIUM PERMANGANATE	C	A	A	A	A	A	B	X	A	O	O	O	O	O	O	O	O	X	O	B	O	O	B	B	B	B	B	B	O	
POTASSIUM SILICIDE	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
POTASSIUM SULFATE	B	A	A	A	A	A	A	B	A	A	A	A	A	B	A	A	O	B	O	B	O	O	O	B	B	A	B	B	O	
POTASSIUM SULFIDE	O	O	A	O	A	A	A	A	A	O	O	O	O	A	O	O	O	O	O	O	X	O	O	B	B	B	B	B	O	
POTASSIUM SULFITE	O	O	A	O	B	A	A	O	A	O	O	O	O	A	O	O	O	O	O	A	O	O	A	A	A	A	A	O	O	

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	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon	PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
PROPANE	A	X	X	A	B	A	X	A	A	B	X	A	A	A	A	X	C	O	B	O	A	O	O	A	A	A	A	A	
PROPYL ACETATE	O	O	O	O	O	O	O	O	A	X	B	X	X	A	B	X	X	O	O	O	O	O	O	O	A	A	A	O	
PROPYL ALCOHOL	A	A	B	A	B	B	A	X	A	A	A	A	A	A	A	A	X	O	O	A		A	A	O	A	A	A	A	A
PROPYLENE	O	O	O	O	O	O	O	O	A	X	X	A	X	A	B	X	X	O	O	O		A	O	O	A	A	B	A	A
PROPYLENE CHLOROHYDRIN	O	O	O	O	O	A	O	O	A	O	O	O	O	O	O	O	O	O	O	O		O	O	O	O	O	O	O	O
PROPYLENE GLYCOL	A	B	B	B	X	O	A	A	A	O	O	O	O	O	O	O	O	O	O	O		B	O	O	O	B	B	B	O
PROPYLENE OXIDE	O	C	B	O	X	X	B	O	A	X	B	X	X	A	O	X	X	O	O	A		B	O	O	B	B	A	A	A
PYDRAUL	O	X	X	O	O	O	O	C	A	O	O	O	O	O	O	O	O	O	B	O		A	O	O	O	A	A	A	O
PYRIDINE	C	X	B	A	X	C	A	X	A	X	B	X	X	A	X	X	O	O	C	A		B	O	O	B	B	A	A	B
PYROGALLIC ACID	C	O	O	O	C	B	A	O	A	O	O	O	O	O	O	O	O	O	O	O		A	O	O	O	X	X	A	C
PYROLIGNEOUS ACID	X	B	X	X	C	B	B	X	A	X	B	X	X	O	B	X	X	O	O	O		A	O	O	O	X	B	A	B
QUININE BISULFATE	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O		O	O	O	O	O	B	B	O
QUININE SULFATE	O	O	O	O	O	O	A	O	A	O	O	O	O	O	O	O	O	O	O	O		O	O	O	O	O	B	B	B
RESORCINOL	O	C	B	O	A	O	A	X	A	O	O	O	O	O	O	O	O	X	X			O	O	O	O	O	O	O	O
ROSIN	B	O	B	A	X	O	A	A	A	O	O	O	O	O	O	O	O	O	O	O		B	B	O	O	C	B	B	B
RUM	A	O	O	O	O	O	A	A	A	A	A	B	A	O	O	O	O	O	O	O		O	O	O	O	O	A	A	A
SALAD DRESSING	A	O	O	O	O	O	O	A	O	O	O	A	A	O	O	O	O	O	O	O		B	O	O	X	X	A	A	A
SALICYLALDEHYDE	O	C	B	O	X	A	B	O	A	O	O	O	O	O	O	O	O	O	O	O		O	O	O	O	O	O	O	O
SALICYLIC ACID	O	B	B	O	X	A	B	A	A	A	A	A	B	O	O	B	O	O	O	O		O	O	O	O	X	B	B	B
SALT BRINE	B	A	B	A	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O		C	O	O	O	X	B	X	C
SALT WATER	A	A	A	A	A	A	A	A	A	B	A	A	A	A	X	A	X	A	A	A		X	C	O	X	X	B	B	X
SEA WATER	A	A	A	A	A	A	A	A	A	B	A	O	A	A	X	A	X	A	A	A		B	B	O	X	X	C	C	X
SEWAGE	O	O	A	O	A	A	A	O	A	B	B	A	A	O	X	B	X	O	B	O		X	O	O	X	X	A	A	O
SHELLAC	B	O	O	X	O	O	A	A	A	O	O	O	O	A	O	O	O	O	O	O		A	O	O	A	A	A	A	A
SHELLAC (BLEACHED)	A	O	X	O	O	O	O	A	A	B	X	A	A	O	O	O	X	O	O	O		A	B	O	A	A	A	A	A
SHELLAC (ORANGE)	A	O	X	O	O	O	O	A	A	B	X	A	A	O	O	O	X	O	O	O		A	B	O	A	A	A	A	A
SILICONE OIL	O	A	O	O	X	O	A	A	A	A	A	A	A	O	A	A	A	O	B	O		A	O	O	A	A	A	A	A
SILVER BROMIDE	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O		X	O	O	X	X	X	B	X
SILVER CHLORIDE	O	A	B	O	B	O	B	O	A	O	O	O	O	O	O	O	O	O	O	O		X	O	O	X	X	X	X	X
SILVER CYANIDE	O	O	B	A	A	A	A	O	A	A	O	O	O	O	O	O	O	O	O	O		X	O	O	O	O	A	A	A
SILVER NITRATE	A	A	B	A	B	A	B	A	A	A	A	A	B	O	B	A	A	O	O	O		X	O	O	O	X	B	B	B
SKYDROL	O	O	X	O	C	O	O	C	A	X	A	X	X	O	X	X	O	B	A			O	O	O	O	O	O	O	O
SKYDROL 500	O	O	O	O	O	O	O	O	O	X	A	X	X	O	O	O	X	O	C	A		O	O	O	O	O	O	O	O
SKYDROL 7000	O	O	O	O	O	O	O	O	O	X	A	B	X	O	O	O	X	O	X	O		O	O	O	O	O	O	O	O
SOAP SOLUTIONS	A	A	C	A	A	A	A	A	A	B	A	A	A	O	X	A	C	O	A	A		X	B	O	O	A	A	A	A

*Not recommended for use above 160°F

Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

- A - Excellent
- B - Good
- C - Poor, probably not suitable
- X - Not recommended, unsatisfactory
- O - Information not available or not rated

	Acetal	Polyacrylonitrile	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
SODIUM ACETATE	A	B	B	A	B	A	A	B	A	B	A	X	B	O	X	X	X	O	O	O	B	A	O	O	X	B	B	B
SODIUM ACID SULFATE	O	O	A	O	A	O	A	O	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	C	X	B	X
SODIUM ALUMINATE	O	O	O	O	A	O	O	A	A	O	O	O	O	O	O	O	O	O	O	A	O	O	A	A	A	A	A	A
SODIUM ALUMINUM SULFATE	O	O	B	O	B	O	O	O	A	O	O	O	O	O	O	O	O	O	O	X	O	O	O	X	X	A	X	
SODIUM BENZOATE	O	A	B	A	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O
SODIUM BICARBONATE	X	A	A	A	A	A	A	A	A	A	A	O	C	A	O	O	B	O	X	B	O	O	O	C	A	B	A	
SODIUM BICHROMATE	O	O	A	A	B	A	A	X	A	O	O	O	O	O	O	O	O	O	O	B	O	O	O	C	B	B	B	
SODIUM BISULFATE	B	A	A	A	A	A	A	C	A	O	O	O	O	O	O	O	X	O	X	C	O	O	O	X	X	B	X	
SODIUM BISULFITE	X	A	A	A	A	A	A	X	A	A	A	A	O	C	B	O	O	X	O	X	O	O	X	X	C	B	X	
SODIUM BORATE	C	A	A	A	A	A	A	A	A	A	A	O	A	A	A	O	B	O	C	O	O	O	O	C	C	B	B	
SODIUM BROMIDE	O	O	A	O	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM CARBONATE	A	A	B	A	A	A	A	A	A	O	O	O	O	O	O	O	B	O	O	O	O	O	O	O	O	O	O	O
SODIUM CHLORATE	B	A	B	A	A	A	A	X	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM CHLORIDE	B	A	A	A	A	A	A	A	A	A	A	A	O	C	A	A	O	A	A	O	O	O	O	O	O	O	O	O
SODIUM CHROMATE	O	A	O	O	O	O	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM CITRATE	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM CYANIDE	C	O	A	A	A	A	A	A	A	A	A	A	O	A	A	O	B	O	O	O	O	O	O	O	O	O	O	O
SODIUM DICHROMATE	O	O	A	A	B	A	A	X	A	O	O	O	O	O	O	O	B	O	O	O	O	O	O	O	O	O	O	O
SODIUM FERRICYANIDE	O	O	A	O	A	A	A	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM FLUORIDE	O	O	A	A	X	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM HYDROXIDE (CAUSTIC SODA-LYE)	X	X	B	A	B	X	A	C	A	A	A	B	B	O	X	A	B	O	O	O	X	O	O	O	B*	A*	A*	A*
SODIUM HYPOCHLORITE	X	C	B	A	B	B	B	X	A	A	B	X	B	O	X	X	X	O	O	O	O	O	O	O	O	O	O	O
SODIUM HYPOSULFITE	O	O	O	O	B	A	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM METAPHOSPHATE	B	O	A	A	B	O	X	A	A	B	A	A	A	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM METASILICATE	B	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM NITRATE	A	O	A	A	A	A	A	A	A	B	A	O	B	O	O	A	O	O	B	O	O	O	O	O	O	O	O	O
SODIUM NITRATE MOTEN	X	X	X	X	X	X	X	X	X	O	O	O	X	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SODIUM PERBORATE	B	O	A	A	A	O	A	B	A	B	A	A	B	O	B	B	O	B	O	O	O	O	O	O	O	O	O	O
SODIUM PEROXIDE	X	A	B	A	B	A	B	X	A	B	A	A	B	O	O	B	X	O	B	O	O	O	O	O	O	O	O	O
SODIUM PHOSPHATES	O	O	A	A	B	A	A	A	A	B	A	A	A	O	O	A	A	O	C	O	O	O	O	O	O	O	O	O
SODIUM SILICATE	O	O	A	A	A	A	A	A	A	A	A	A	O	O	A	O	O	B	O	O	O	O	O	O	O	O	O	O
SODIUM SULFATE	O	A	A	A	A	A	A	A	A	A	A	A	O	B	B	A	O	B	O	O	O	O	O	O	O	O	O	O
SODIUM SULFIDE	A	X	A	A	A	A	A	C	A	O	O	O	O	O	O	O	O	B	O	O	O	O	O	O	O	O	O	O
SODIUM SULFITE	A	O	B	A	A	A	A	X	A	O	O	O	O	O	O	O	O	B	O	O	O	O	O	O	O	O	O	O
SODIUM TETRABORATE	C	A	A	A	A	A	A	B	A	O	O	O	O	O	O	O	O	B	O	O	O	O	O	O	O	O	O	O

*Not recommended for use above 160°F

*TO 50% CONCENTRATIONS

Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

A - Excellent

B - Good

C - Poor, probably not suitable

X - Not recommended, unsatisfactory

O - Information not available or not rated

	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon ⁶	PTFE [®]	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
SODIUM THIOSULFATE	C	A	A	A	A	A	A	A	A	A	A	B	O	B	B	A	O	O	O	O	O	O	O	O	O	O	O	O	
SOYBEAN OIL	B	A	O	O	A	O	A	B	A	X	X	A	A	O	X	X	B	O	B	O	A	O	O	O	O	A	A	A	
SOY SAUCE	A	O	O	O	O	O	O	A	A	A	O	A	A	O	O	O	O	O	O	O	A	O	O	X	X	A	A	O	
STANNIC CHLORIDE	O	O	A	O	A	A	A	X	A	X	A	A	A	O	O	A	O	O	B	O	X	X	X	X	X	X	X	X	
STANNOUS CHLORIDE	O	A	B	O	B	A	A	X	A	A	A	A	A	O	O	A	O	O	B	O	X	X	X	X	X	X	X	X	
STARCH	B	O	B	O	A	O	A	A	A	O	O	O	O	A	O	O	A	B	O	A	O	O	O	O	A	A	A	O	
STEAM	A	A	X	A	X	A	A	A	A	C	A	X	X	O	X	X	X	O	X	O	B	O	O	O	A	A	A	A	
STEARIC ACID	C	A	B	A	B	A	B	A	A	B	B	O	B	O	O	B	A	O	B	A	B	C	O	O	X	B	A	B	
STODDARD SOLVENT	A	A	C	O	X	A	C	A	A	X	X	A	A	A	B	X	A	A	A	X	A	A	O	A	A	A	A	A	
STYRENE	O	X	O	O	X	O	O	B	A	X	X	B	X	O	X	X	C	O	X	O	A	O	O	O	C	A	A	O	
SUCROSE SOLUTIONS	A	O	A	O	O	O	O	O	A	B	A	A	A	O	O	O	X	O	B	O	O	O	O	O	O	O	O	O	
SUGAR JUICE	B	O	O	O	B	O	A	A	A	O	O	O	O	O	O	O	O	O	O	A	O	O	O	A	A	A	A	A	
SUGAR LIQUIDS	A	O	A	O	O	O	O	A	A	A	A	A	A	O	O	O	X	A	O	O	A	O	O	O	O	A	A	A	
SULFATE LIQUOR BLACK	O	O	A	A	X	A	A	C	A	O	O	O	O	O	O	O	O	X	O	X	X	O	O	X	B	B	A	A	
SULFATE LIQUOR GREEN	O	O	A	A	B	O	A	B	A	O	O	O	O	O	O	O	O	X	O	X	X	O	O	X	B	B	A	A	
SULFINOL	O	O	O	O	O	A	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	A	A	O	
SULFITE LIQUOR	O	O	O	O	O	O	B	O	A	B	B	A	B	O	X	B	O	O	O	O	X	O	O	O	X	B	B	X	
SULFOLANE	O	X	O	O	O	O	O	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	
SULFUR	A	A	A	A	B	A	A	A	A	A	A	A	X	O	X	X	O	O	O	O	A	O	O	O	C	X	X	X	
SULFUR CHLORIDE	O	C	C	C	X	A	X	A	A	C	X	A	C	O	X	X	O	O	C	O	X	X	O	O	X	X	B	X	
SULFUR DIOXIDE GAS DRY	B	A	A	A	A	A	C	B	A	X	A	A	X	O	X	B	O	O	X	O	B	O	O	A	A	A	A	A	
SULFUR DIOXIDE GAS WET	C	C	B	A	X	A	X	C	A	B	A	A	X	O	X	X	O	O	X	O	B	O	O	O	X	B	B	B	
SULFUR MOLTEN	X	X	X	X	X	O	X	X	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
SULFUR TRIOXIDE	O	O	X	O	B	X	X	X	A	X	B	A	X	O	X	B	O	O	X	O	B	O	O	O	B	B	B	B	
SULFURIC ACID - 10%	X	X	B	X	X	A	A	X	A	A	A	A	B	O	O	O	O	X	O	O	O	O	O	O	O	O	O	O	
SULFURIC ACID - 25%	X	X	B	X	X	A	A	X	A	B	B	A	C	O	O	O	O	X	A	O	O	O	O	O	O	O	O	O	
SULFURIC ACID - 50%	X	X	B	X	X	A	A	X	A	B	B	A	C	O	O	O	O	X	A	O	O	O	O	O	O	O	O	O	
SULFURIC ACID - 60%	X	X	C	X	X	A	A	X	A	C	C	A	X	O	O	O	O	X	A	O	O	O	O	O	O	O	O	O	
SULFURIC ACID - 75%	X	X	C	X	X	A	A	X	A	X	C	A	X	O	O	O	O	X	C	O	O	O	O	O	O	O	O	O	
SULFURIC ACID - 95%	X	X	C	X	X	A	C	X	A	X	C	A	X	O	O	O	O	X	C	O	O	O	O	O	B	B	B	O	
SULFURIC ACID - CONCENTRATED	X	X	C	X	X	A	B	X	A	X	X	A	X	O	O	O	O	X	X	O	O	O	O	O	O	O	O	O	
SULFURIC ACID - FUMING	X	X	C	X	X	A	X	X	A	X	X	A	X	O	O	O	O	X	X	O	O	O	O	O	O	O	O	O	
SULFURIC ACID AERATED	X	X	C	X	X	X	C	X	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	X	B	B	X	
SULFURIC ACID AIR FREE	X	X	B	X	X	X	C	X	A	O	O	O	O	O	O	O	O	X	A	X	O	O	X	X	X	B	X	X	
SULFURIC ACID BOILING	X	X	X	X	X	X	X	X	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	X	X	X	X	X	

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Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

- A - Excellent
- B - Good
- C - Poor, probably not suitable
- X - Not recommended, unsatisfactory
- O - Information not available or not rated

	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon ^{PTFE}	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel – 303, 304	Stainless Steel – 316	Stainless Steel – 400's	
SULFURIC ACID FUMING OLEUM	X	X	X	X	X	X	X	A	X	X	A	X	O	X	X	X	O	X	O	B	O	O	X	X	B	B	B	
SULFUROUS ACID	X	O	B	A	A	A	A	X	A	B	B	A	B	O	X	B	C	O	C	O	B	O	O	X	X	X	B	X
TALL OIL	O	O	B	O	A	A	A	O	A	O	O	O	O	O	O	O	O	O	O	B	O	O	O	C	B	B	X	
TALLOW	C	O	A	A	A	O	A	A	A	O	O	O	O	O	O	O	O	O	O	A	O	O	O	C	A	A	O	
TANNIC ACID	X	C	B	A	A	A	A	X	A	A	A	A	O	A	B	A	O	B	A	X	O	O	O	X	B	A	B	
TANNIN	A	O	O	O	O	O	O	A	A	A	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
TANNING LIQUOR	X	O	B	O	A	O	B	A	A	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	A	A	O	
TAR AND TAR OIL	A	O	B	O	X	O	A	C	A	C	C	A	O	O	O	X	O	O	B	O	A	B	O	A	A	A	B	
TAR, BITUMINOUS	O	O	O	O	O	O	O	O	A	X	X	A	B	O	O	O	O	B	O	A	O	O	A	A	A	A	A	
TARTARIC ACID	X	B	B	A	B	B	A	B	A	B	B	A	A	O	C	B	A	O	B	A	X	C	O	X	X	B	X	
TETRA ETHYL LEAD	O	O	X	O	X	A	X	O	A	B	X	A	B	O	O	X	O	O	O	O	A	O	O	O	A	A	A	O
TETRACHLOROACETIC ACID	O	O	O	O	X	B	O	O	A	O	O	O	O	O	O	O	O	O	O	X	O	O	O	X	X	X	X	
TETRACHLOROETHANE	A	O	O	O	X	A	A	C	A	O	O	O	O	O	O	O	O	O	X	X	O	O	O	B	B	A	O	
TETRACHLOROETHYLENE	O	X	X	B	X	A	X	X	A	X	X	A	X	O	C	X	X	O	O	O	B	O	O	O	A	O	B	O
TETRAHYDROFURAN	A	X	X	B	X	C	C	A	A	X	B	X	X	O	A	X	C	O	C	X	X	O	O	O	A	A	A	O
TETRAHYDRONAPHTHALENE	O	X	X	A	O	O	X	A	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O
TETRAPHOSPHORIC ACID	X	X	O	O	O	A	O	B	A	O	O	O	O	O	O	O	O	O	O	X	O	O	O	X	B	B	X	
THIONYL CHLORIDE	B	X	X	C	X	X	X	X	A	X	C	B	X	O	O	X	X	O	O	O	X	O	O	O	X	O	X	O
TIN MOLTEN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	O	O	X	O	O	O	O	C	C	C
TIN TETRACHLORIDE	O	O	A	O	B	A	A	X	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	X	X	X	X
TITANIUM TETRACHLORIDE	O	A	X	O	X	B	X	A	A	X	X	A	B	O	C	X	X	O	O	O	X	O	O	O	B	B	B	B
TOLUENE AT 70°	C	X	X	C ¹	X	B	X	A	A	X	X	A	X	O	C	X	X	O	C	X	A	O	O	O	A	A	A	A
TOMATO JUICE	O	A	A	A	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	X	A	A	X
TOMATO PULP AND JUICE	B	O	O	O	A	O	A	B	A	O	O	O	A	O	O	O	O	O	O	O	B	O	O	O	O	A	A	B
TRANSFORMER OIL	C	A	O	A	X	O	X	A	A	B	X	A	A	O	A	X	A	O	O	O	A	O	O	O	B	A	A	O
TRANSMISSION FLUID, TYPE A	O	O	O	O	O	O	O	O	A	A	X	A	A	O	O	O	O	B	O	A	O	O	A	A	A	A	A	
TRIBUTYL CITRATE	O	X	C	O	X	O	C	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
TRIBUTYL PHOSPHATE	O	O	X	O	X	A	X	A	A	X	B	X	X	O	B	X	X	O	C	O	O	O	O	B	A	A	O	
TRICHLOROACETIC ACID	O	A	C	O	X	B	B	X	A	X	B	C	B	O	O	B	X	O	X	O	X	O	X	X	X	X	X	
TRICHLOROETHANE	O	X	X	O	X	B	X	X	A	X	X	A	X	O	X	X	X	O	X	X	X	O	O	O	B	O	A	O
TRICHLOROETHYLENE	B	X	X	C ¹	B	X	X	X	A	X	X	O	X	O	O	O	X	O	X	X	X	O	O	O	B	B	B	B
TRICHLOROMONOFUOROETHANE	O	O	O	O	O	O	O	A	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	A	A	A
TRICHLOROPROPANE	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	A	A	A
TRICHLOROTRIFLUOROETHANE	O	X	O	O	X	A	A	A	A	O	O	O	O	O	O	O	O	A	X	A	O	O	O	X	A	A	A	
TRICRESYL PHOSPHATE	O	O	C	O	X	X	B	A	A	C	A	A	X	A	B	X	X	O	C	O	X	O	O	O	A	B	B	O
TRIETHANOLAMINE	B	O	C	A	X	X	X	A	A	A	A	X	B	O	X	B	X	O	X	O	B	O	O	O	A	A	A	O

¹ Suitable for use where some swelling can be tolerated.

*Not recommended for use above 160°F

Chemical Compatibility

Plastic, Elastomer & Leather

Metal

Legend:

A - Excellent

B - Good

C - Poor, probably not suitable

X - Not recommended, unsatisfactory

O - Information not available or not rated

	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon	PTFE	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel - 303, 304	Stainless Steel - 316	Stainless Steel - 400's	
TRIETHYL PHOSPHATE	O	O	O	O	O	X	O	O	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	A	A	A	O	
TRIETHYLAMINE	A	O	O	O	C	B	X	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	
TRIETHYLENE GLYCOL	O	B	A	O	C	O	A	A	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
TRIPHENYL PHOSPHITE	O	X	O	O	O	O	O	A	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	C	A	A	A	
TRIPROPYLENE GLYCOL	O	A	B	B	C	O	A	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
TRISODIUM PHOSPHATE	O	O	A	A	B	A	A	B	A	O	O	O	O	O	O	O	O	A	O	O	X	O	O	O	A	B	B	B	
TUNG OIL	O	O	O	O	X	O	A	O	A	B	X	A	A	O	B	X	C	O	B	O	A	O	O	O	B	A	A	A	
TURBINE OIL	A	O	O	O	O	O	O	O	A	X	X	A	A	O	O	O	A	O	O	O	A	O	O	A	A	A	A	A	
TURPENTINE	A	X	X	X	C	A	C	A	A	X	X	A	A	O	B	X	X	O	B	X	A	C	O	O	B	A	A	B	
UNDECYL ALCOHOL	O	C	C	O	C	O	B	O	A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
UREA	A	X	B	A	C	A	A	C	A	O	O	O	O	O	O	O	O	B	O	O	B	O	O	O	B	B	B	O	
URIC ACID	O	O	B	O	O	O	O	A	A	O	O	O	O	O	O	O	O	X	A	O	X	O	O	O	O	B	B	B	
URINE	C	O	A	A	A	A	A	A	A	O	O	O	O	O	O	O	O	O	O	O	B	O	O	O	B	A	A	O	
VANILLA EXTRACT	O	O	O	O	O	O	O	O	A	X	O	X	A	O	O	O	O	O	O	O	O	O	O	O	O	A	A	O	
VARNISH	O	O	C	A	X	O	A	A	A	X	X	A	B	A	A	X	C	A	O	O	A	B	O	O	A	A	A	A	
VEGETABLE JUICES	A	O	O	O	O	O	O	A	A	X	O	O	A	O	O	O	O	O	O	O	X	O	O	X	X	A	A	O	
VEGETABLE OIL	A	O	X	O	O	O	O	A	A	X	X	A	A	O	O	O	A	O	O	O	A	B	O	B	B	A	A	A	
VEGETABLE OIL (HOT)	O	O	O	O	O	O	O	A	A	O	O	O	O	O	O	O	O	A	O	O	A	B	O	B	B	B	B	A	
VINEGAR	C	A	B	A	A	A	A	B	A	B	A	A	B	O	B	B	X	A	C	O	B	O	O	O	C	B	A	B	
VINYL ACETATE	O	O	B	X	X	A	X	O	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	C	A	A	O	
VINYL CHLORIDE	O	O	O	O	X	B	O	A	A	X	X	A	X	O	O	X	X	O	O	O	B	O	O	O	A	B	A	A	
VINYLDINE CHLORIDE	O	X	X	O	X	B	X	O	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	O	O	O	
WATER	A	O	A	O	A	O	B	O	A	A	A	A	A	A	O	O	A	O	A	A	A	O	O	X	X	A	A	A	
WATER-BRINE, PROCESS, BEVERAGE	A	O	A	O	A	O	O	O	A	A	A	A	A	A	O	O	X	O	O	O	O	O	O	X	X	B	B	X	
WATER, ACID MINE	A	O	A	O	A	O	B	A	A	B	A	A	A	A	O	O	X	O	O	O	X	X	O	X	X	B	B	X	
WATER, BOILER FEED	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	B	A	A	A	
WATER, BRACKISH	O	O	A	O	O	O	O	B	A	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O	O	A	A	A	
WATER, DEIONIZED	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	A	A	A	O	
WATER, DEMINERALIZED	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	A	O	
WATER, DISTILLED	A	O	A	O	A	O	B	A	A	A	A	A	A	A	O	O	A	A	O	A	A	O	X	X	A	A	A	A	
WATER, FRESH	A	A	A	A	A	A	A	A	A	A	A	A	A	X	A	C	A	A	A	B	C	O	O	X	A	A	A	A	
WATER, SALT	A	A	A	A	A	A	A	A	A	B	A	A	A	X	A	X	A	A	A	X	C	O	X	X	B	B	X	X	
WAX	A	O	O	A	O	O	O	A	A	O	O	O	O	O	O	O	O	O	O	O	A	O	O	O	O	A	A	A	A
WHISKEY	B	A	X	A	A	A	A	A	A	A	A	A	O	X	A	B	O	B	O	C	O	O	O	X	A	A	C	C	
WHISKEY AND WINES	A	O	A	O	A	O	O	A	A	A	A	A	O	O	O	O	X	O	B	O	B	B	O	X	X	A	A	X	X

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Chemical Compatibility

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	Plastic, Elastomer & Leather										Metal																	
	Acetal	Polycarbonate	Polyethylene HMW	Polyethylene UHMW	Polyvinylchloride	PVDF Kynar	Polypropylene	Nylon ^{PTFE}	Neoprene	EPDM (Ethylene Propylene)	Fluorocarbon (Viton)	Buna-N (Nitrile)	Kalrrz	Polysulfide (Thiokol)	Styrene butadiene	Polyurethane	Leather	Polyester Elastomer (Hytrel)	Thermoplastic Rubber (Santoprene)	Aluminum	Brass/Copper	Carbide	Carbon Steel Hardened	Carbon Steel, Cast Iron	Stainless Steel – 303, 304	Stainless Steel – 316	Stainless Steel – 400's	
WHITE LIQUOR	0	0	B	0	A	A	A	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C	B	A	0
WHITE PINE OIL	0	0	0	0	0	0	0	0	0	X	X	A	B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE SPIRIT	A	0	0	C	A	A	A	A	A	0	0	0	0	0	0	0	0	0	A	X	0	0	0	0	0	0	A	0
WINE	B	A	A	A	A	A	A	B	A	0	0	0	0	0	0	0	0	0	B	0	C	0	0	0	X	A	A	C
WOOD PULP	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	C	0	0	0	C	A	A	A
XYLENE	B	X	X	C ¹	X	A	X	A	A	X	X	A	X	0	B	X	X	0	C	X	B	0	0	0	B	A	A	A
ZINC CARBONATE	0	0	A	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	B	0	0	0	0	B	B	B
ZINC CHLORIDE	B	A	B	A	A	A	A	C	A	A	A	A	A	0	C	A	A	0	B	A	X	X	0	0	X	X	X	X
ZINC CYANIDE	0	0	A	0	A	0	A	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0
ZINC MOLTEN	X	X	X	X	X	X	X	X	X	0	0	0	0	0	0	0	0	0	0	0	X	0	0	0	X	X	X	X
ZINC NITRATE	0	A	B	0	A	A	A	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0
ZINC STEARATE	0	A	B	0	B	0	A	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZINC SULFATE	B	A	A	A	A	A	A	C	A	A	A	A	A	0	X	B	0	0	X	0	X	0	0	0	X	B	A	C

¹ Suitable for use where some swelling can be tolerated.

Note: 303 has less pitting corrosion resistance than 304.

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