

Chemical Compatibility Chart

Legend

- A – Recommended
- B – Minor to Moderate Effect
- C – Moderate to Severe
- U – Not Recommended

Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydri	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Acetaldehyde	C	U	A	A	U		C	C	U	C	A	U	U
Acetamide	U	U	B	A	A		B	B	U	U	B	A	B
Acetic Acid 5%	B	B	A	A	B		A	A	U	U	A	B	A
Acetic Acid 30%	B	B	B	A	B	B	A	A	U	B	A	B	B
Acetic Acid, Hot High Press	U	U	U	C	U		U	C	U	U	C	U	U
Acetic Acid, Glacia	B	C	B	B	C	U	U	C	U	B	B	U	U
Acetic Anhydride	B	U	B	B	U	U	A	C	U	B	C	U	U
Acetone	B	B	A	A	U	U	B	A	U	C	B	U	U
Acetophenone	U	U	A	A	U	U	U	U	U	U	U	U	U
Acetyl Acetone	U	U	A	A	U	U	U	U	U	B	U	U	U
Acetyl Chloride	U	U	U	U	U	U	U	U	U	U	C	A	A
Acetylene	B	B	A	A	B	B	B	B	U	C	B		A
Acetylene Tetrabomide	U	U	A	A	U	U	B						A
Acrylonitrile	U	C	U	U	U		C	C	U	U	U	U	U
Adipic Acid					A							A	A
Aero Lubriplate	U	B	U	U	A		A	A	A	A	B	A	A
Aero Safe 2300	U	U	B	A	U		U	U	U	U	C	C	U
Aero Safe 2300W	U	U	B	A	U		U	U	U	U	C	C	U
Aero Shell IAC	U	U	U	U	A		B	A	A	A	B	A	A
Aero Shell 7A Grease	U	U	U	U	A		B	A	A	A	B	A	A
Aero Shell 17 Grease	U	U	U	U	A		B	A	A	A	B	A	A
Aero Shell 750	U	U	U	U	B								
Aerozene 50 (50% Hydrazine UDMH)	U	U	A	A	C		U	U	U	U	U	U	U
Air-Below 300 F	U	U	B	B	B		B	B	C	U	A	A	A
Air-Above 300 F	U	U	U	U	U		U	U	U	U	A	B	A
Alkazene	U	U	U	U	U		U	U	B	A	U	B	B
Alum-NH3Cr-K	A	A	A	A	A		A	A		U	U	U	U
Aluminum Acetat	A	B	A	A	B	B	B	B	U	U	A	U	U
Aluminum Bromide	A	A	A	A	A		A	A	C	A	U	A	A
Aluminum Chloride	A	A	A	A	A		A	B	C	U	B	A	A
Aluminum Fluoride	B	A	A	A	A	A	A	A	C	U	B	A	A
Aluminum Nitrate	A	A	A	A	A	A	A	A	C	U	B		A
Aluminum Phosphate	A	A	A	A	A	A	A	A					A
Aluminum Salts	A	A	A	A	A		A	A	C	A	A	A	A
Aluminum Sulfate	A	B	A	A	A		A	A	U	U	A	A	A
Ambrex 33 Mobi	U	U	U	U	A		B	C	B	U	U	C	A
Amines, Mixed	B	B	B	B	U		B	U	U	U	U	U	U
Ammonia Anhydrous (Liquid)	U	U	A	A	B		A	U	U	U	C	A	U
Ammonia Gas, Cold	A	A	A	A	A		A	A	U	U	A	U	U
Ammonia Gas, Hot	U	U	B	B	U		B	B		U	A	U	U
Ammonia and Lithium Metalin Solution	U	U	B	B	B			U	U	U	U	U	U
Ammonium Carbonate	A	A	A	A	U	B	A						
Ammonium Chloride	A	A	A	A	A	A	A	A	A	A			A
Ammonium Hydroxide (Concentrated)	U	U	A	A	U	B	A	A	U	U		B	B
Ammonium Nitrate	C	A	A	A	A	A	B	A	U				
Ammonium Nitrate	A	A	A	A	A		A	A			B		
Ammonium Persulfate Solution	A	U	A	A	U		A	A	U				
Ammonium Persulfate 10%	A	U	A	A	U		A	A	U				
Ammonium Phosphate	B	A	A	A	A	A	A	A		A	A		
Ammonium Phosphate, Mono-Basic	A	A	A	A	A		A	A		A	A		
Ammonium Phosphate, Dibasic	A	A	A	A	A		A	A		A	A		
Ammonium Phosphate, Tribasic	A	A	A	A	A		A	A		A	A		
Ammonium Salts	A	A	A	A	A		A	A		A	A	C	C

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Barium Salts	A	A	A	A	A		A	A	A	A	A	A	A
Barium Sulfate	A	A	A	A	A	A	A	A	A	B	A	A	A
Barium Sulfide	A	B	A	A	A	A	A	A	A	A	A	A	A
Bayol D	U	U	U	U	A	A	B	U	U	B	U	A	A
Beer	A	A	A	A	A	A	A	A	U	U	A	A	A
Beer Sugar Liquors	A	A	A	A	A	A	A	A	U	U	A	A	A
Benzaldehyde	U	U	A	A	U	U	U	U	U	U	U	A	U
Benzene	U	U	U	U	U	U	U	U	U	C	U	A	A
Benzenesulfonic Acid	U	U	U	U	U		A	B	U	U	U	B	A
Benzine	U	U	U	U	A		B	C	B	A	U	A	A
Benzochloride	U	U	B	A	U		U	U	U	U		A	A
Benzoic Acid	U	U	U	U	U		U	U	U	U	B	A	A
Benzophenone	U	U	B	B	U		U	U	U	B		B	A
Benzyl Alcohol	U	U	B	B	U	U	B	B	U	U		B	A
Benzyl Benzoate	U	U	B	B	U		U	U	U	U		A	A
Benzyl Chloride	U	U	U	U	U		U	C	U	U	U	C	A
Black Point 77	C	C	A	A	A		C	B	C	U	U	C	A
Black Sulphate Liquors	B	B	B	B	B		B	B	U	U	B	B	A
Black Furnace Gas	U	U	U	U	U		U	U	U	U	A	B	A
Bleach Solutions	U	U	A	A	U		C	A	U	U	B	B	A
Borax	B	B	A	A	B		A	A	U	U	B	B	A
Bordeaux Mixture	B	B	A	A	B		B	A	U	U	B	B	A
Boric Acid	A	A	A	A	A	A	A	A	A	U	U	B	A
Boron Fluids (HEF)	U	U	U	U	B	A	U	U	U	B	U	B	A
Brake Fluid (Non-Petroleum)		A	B	A	C		B	B	U	U	C	U	U
Bray GG-130	U	U	U	U	B		U	U	U	B	U	B	A
Brayco 719-R (VV-H-910)	B	U	B	A	C		B	B	U	U	B	B	U
Brayco 885 (MIL-L6085A)	U	U	U	U	B		U	U	A	U	U	U	U
Brayco 910	A	B	A	A	B		B	A	C	U	U	U	U
Brett 710	A	B	A	A	B		B	A	C	U	U	U	U
Brine			A	A	A		A	A					
Brom-113		U	U	U	C		U	U		B	U		B
Brom-114	U	U	U	U	B		B	B		A	U		A
Bromine	U	U	U	U	U		U	U	U	B	U	B	A
Bromine Anhydrous							U	U		B	U	B	A
Bromine Pentafluoride	U	U	U	U	U		U	U	U	U	U	U	U
Bromine Trifluoride	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromine Water	U	U	U	U	U	U	B	B	U	C	U	B	A
Bromobenzene	U	U	U	U	U	U	U	U	U	C	U	B	A
Bromochloro Trifluoroethane	U	U	U	U	U		U	U	U	U	U	U	A
Bunker Oil	U	U	U	U	A		U	U	B	A	B	A	A
Butadiene	U	U	U	C	U	U	B	B	U	C	U	B	B
Butane	U	U	U	U	A		A	B	A	A	U	A	A
Butane 2,2-Dimethyl	U	C	U	U	A		B	B	U	A	U	A	A
Butane 2.3-Dimethyl	U	C	U	U	A		B	B	U	A	U	A	A
Butanol (Butyl Alcohol)	A	A	B	B	A		A	A	U	B	U	A	A
1-Butene, 2-Ethyl	U	U	U	U	A		U	U	U	A	U	C	A
Butter	U	U	B	A	A	A	B	B	U	U	U	A	A
Butyl Acetate	U	U	B	B	U	U	U	U	U	U	U	U	U
Butyl Acetyl Ricinoleate	U	U	A	A	B		B	B	U			B	U
Butyl Acrylate	U	U	U	U	U		U	U	U	B		U	U
Butyl Alcohol	A	A	B	B	A		A	A	U	B	B	A	A
Butyl Amine	U	U	U	U	C		U	U	U	U	B	U	U
Butyl Benzoate	U	U	B	A	U		U	U	U	U	U	A	A

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Butyl Butyrate	U	U	A	A	U		U	U		U	U	A	A
Butyl Carbitol	U	U	A	A	B		B	B		U	U	U	C
Butyl Cellosolve	U	U	A	A	C		C	C	U	U	U	U	U
Butyl Cellosolve Adipate	U	U	B	B	U		U	U	U	B	B	B	B
Butyl Ether	U	U	C	C	C		U	U	B	A	U	C	U
Butyl Oleate	U	U	B	B	U		U	U				B	A
Butyl Stearate	U	U	B	B	B		U	U		A		B	A
Butylene	U	U	U	U	B		C	U	U	B	U	B	A
Butyraldehyde	U	U	B	B	U		U	U	U	C	U	U	U
Butynic		U	B	B	U		U	U					B
C													
Calcine Liquors			A	A	A				U			A	A
Calcium Acetate	A	U	A	A	B		B	U	U	U	U	U	U
Calcium Bisulfite	U	U	U	U	A		A	A	A	U	A	A	A
Calcium Carbonate	A	A	A	A	A		A	A	C	U	A	A	A
Calcium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Cyanide	A	A	A	A	A		A	A					
Calcium Hydroxide	A	A	A	A	A	A	A	A	A	U	A	A	A
Calcium Hypochloride	U	U	A	A	U	A	U	A	U	U	U	A	A
Calcium Hypochlorite	U	U	A	A	C	A	C	A	U	U	B	B	A
Calcium Nitrate	A	A	A	A	A	A	A	A	A	A	B	A	A
Calcium Phosphate	A	A	A	A	A		B	A	A				A
Calcium Salts	A	A	A	A	A		A	A	A	A	B		A
Calcium Silicate	A	A	A	A	A		A	A	A				A
Calcium Sulfide	B	B	A	A	B	B	A	A	A	U	B	A	A
Calcium Sulfite	B	B	A	A	A		A	A	A	B	A	A	A
Calcium Thiosulfate	B	B	A	A	B		A	A	A	B	A	A	A
Caliche Liquors	A	A	A	A	A		A	A	U	U	B	A	A
Cane Sugar Liquors	A	A	A	A	A	A	A	A	U	U	B	A	A
Caproic Aldehyde	B		B	B					U	B	B	U	U
Carbamate	U	U	B	B	C		B	B	U	B	B	A	A
Carbitol	B	B	B	B	B		B	B	U	B	B	B	B
Carbolic Acid	U	U	B	B	U		C	C		U	U	U	A
Carbon Bisulfide			U	U	C	U	U	U		C		A	A
Carbon Dioxide, Dry	B	B	B	B	A	A	B	B	A	B	B	B	B
Carbon Dioxide, Wet	B	B	B	B	A		B	B		B	B	B	B
Carbon Disulfide	U	U	U	U	U		U	U				A	A
Carbon Monoxide	B	B	A	A	A	A	A	A	A	U	A	B	A
Carbon Tetrachloride	U	U	U	U	C	A	U	U	U	C	U	A	A
Carbonic Acid	A	B	A	A	B		A	A	A	A	A	A	A
Castor Oil	A	A	B	B	A	A	A	A	A	C	A	A	A
Cellosolve	U	U	B	B	U		U	U	U	B	U	U	U
Cellosolve Acetate	U	U	B	B	U		U	U	U	B	U	U	U
Cellosolve Butyl	U	U	B	B	U		U	U	U	B	U	U	U
Celluguard	A	A	A	A	A		A	A	U	A	A	A	A
Cellulube A60 Now Fyrquel	U	U	B	A	U		U	U	U	B		C	B
Cellulube90, 100, 150, 220, 300, 500	U	U	A	A	U		U	U	U	U	A	B	A
Cellutherm 2505A	U	U	U	U	B		U	U	U	A	U	B	A
Cetane (Hexadecane)	U	U	U	U	A		B	B	U	A	U	C	A
China Wod Oil (Tung Oil)	U	U	C	U	A		B	C	C	C	U	B	A
Chloracetiic Acid	U	U	B	B	U		U	U	U	U		U	U
Chlorodane	U	U	U	U	B		C	C			U	B	A
Chlorextol	U	U	U	U	B		B	U			U	B	A
Chlorinated Salt Brine	B	U	U	U	U		U	B	U	U	U	A	A

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Crude Oil	U	U	U	U	B		U	U	U	B	U	B	A
Cumene	U	U	U	U	U		U	U	U	B	U	B	A
Cutting Oil	U	U	U	U	A		B	B	A	A	U	A	A
Cyclohexane	U	U	U	U	A		U	U	B	A	U	A	A
Cyclohexanol	U	U	U	U	B		U	U	B	B	U	A	A
Cyclohexanone	U	U	U	U	U	U	U	U	U	U	U	U	A
P-Cymene	U	U	U	U	U		U	U	U	U	U	B	A
D													
Decalin	U	U	U	U	U		U	U		B	U	A	A
Decane	U	U	U	U	B		U	U	B	A	B	A	A
Delco Brake Fluid		A	B	A	C		B	B	U	U	C	U	A
Denatured Alcohol	A	A	A	A	A	A	A	A	U	C	A	A	A
Detergent Solutions	B	B	A	A	A	A	B	B	U	U	A	A	A
Developing Fluids (Photo)	A	B	B	B	A		A	A		A	A	A	A
Dextron	U	U	U	U	A		B	U	B		U	B	A
Deacetone	U	U	A	A	U		U	U	U	B	U	U	U
Deacetone Alcohol	U	U	A	A	U	U	U	U	U	B	U	U	U
Diazinon	U	U	U	U	C		C	C	U	B	U	B	B
Dibenzyl Ether	U	U	B	B	U	U	U	U	B	B	U	U	U
Dibenzyl Sebacate	U	U	B	B	U	U	U	U	B	B	C	C	B
Dibromoethyl Benzene	U	U	U	U	U		U	U	U	U	U	B	A
Dibutylamine	U	U	U	U	U		U	U	U	U	C	U	U
Dibutyl Ether	U	U	C	C	U		U	U	B	A	U	C	C
Dibutyl Phthalate	U	U	C	A	U	B	U	U	U	A	B	C	B
Dibutyl Sebacate	U	U	B	B	U		U	U	U	B	B	B	B
O-Dechlorobenzene	U	U	U	U	U		U	U	U	A	U	B	A
P-Dichlorobenzene	U	U	U	U	U		U	U	U	A	U	B	A
Dichloro-Butane	U	U	U	U	B		U	U	U	C	U	B	A
Dichloro-Isopropyl Ether	U	U	U	C	U		U	U	B	A	U	C	C
Dicyclohexylamine	U	U	U	U	C		U	U	U	U	U	U	U
Diesel Oil	U	U	U	U	A	A	B	B	C	A	U	A	A
Di-ester Lubricant MIL-L7808	U	U	U	U	B		U	U	U	B	U	B	A
Di-ester Synthetic Lubricants	U	U	U	U	B		U	U	U	B	U	B	A
Diethylamine	B	B	B	B	C		C	C	C	B	B	U	U
Diethyl Benzene	U	U	U	U	U		U	U	U	B	U	C	A
Diethyl Ether	U	U	U	U	U		C	U	A	A	U	C	U
Diethyl Sebacate	U	U	B	B	U		U	U	U	B	B	B	B
Diethyl Glycol	A	A	A	A	A	A	A	A	U	U	B	B	A
Difluorodibromomethane	U	U	B	B	U		U	U	U	U	U	U	U
Diisobutylene	U	U	U	U	B		U	U	U	A	U	C	A
Diisooctyl Sebacate	U	U	U	C	C		U	U	U	C	C	C	B
Diisopropyl Benzene	U	U	U	U	U		U	U	U	B	U	B	A
Diisopropyl Ketone	U	U	A	A	U		U	U	U	B	U	U	U
Dimethyl Aniline	U	U	U	B	U		U	U				U	U
Dimethyl Formamide	U	U	U	B	B		U	U		B	B	U	U
Dinitro Toluene	U	U	U	U	U		U	U	U	U	U	U	U
Diocetyl Phthalate	U	U	B	B	U	B	U	U	U	B	C	B	B
Deocetyl Sebacate	U	U	B	B	U		U	U	U	C	C	C	U
Dioxane	U	U	B	B	U		U	U	U	U	U	U	U
Dioxolane	U	U	C	B	U		U	U	U	U	U	U	U
Dipentene	U	U	U	U	B		U	U	U	A	U	C	A
Diphenyl	U	U	U	U	U		U	U	U	B	U	B	A
Diphenyl Oxides	U	U	U	U	U		U	U	U	U	U	B	A
Dow Chemical 50-4		A	B	A	A		B	B	U	U	C	U	U

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Dow Chemical ET378	U	U	U	A	U		U	U	B	A	U	U	U
Dow Chemical ET588		A	B	A	C		B	B	A	U	U	A	A
Dow Corning-3	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-4	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-5	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-11	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-33	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-44	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-55	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-200	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-220	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-510	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-550	A	A	A	A	A		A	A	A	A	U	A	A
Dow Corning-704			A	A	B			A	A	A	C		A
Dow Corning-705			A	A	B								A
Dow Corning-710	A	A	A	A	A		A	A	A	A	C	A	A
Dow Corning-1208	A	A	A	A	A		A	A	A	A	C	A	A
Dow Corning-4050	A	A	A	A	A		A	A	A	A	C	A	A
Dow Corning-6620	A	A	A	A	A		A	A	A	A	C	A	A
Dow Corning-F60	A	A	A	A	A		A	A	A	A	C	A	A
Dow Corning-F61	A	A	A	A	A		A	A	A	A	C	A	A
Dow Corning-XF60	A	A	A	A	A		A	A	A	A	C	A	A
Dow Guard	A	A	A	A	A		A	A	C		B	A	A
Dowtherm Oil	U	U	U	U	A	U	U	U	B		A	A	A
Dowtherm A or E	U	U	U	U	U	U	U	U	U	U	U	B	A
Dowtherm 209, 50% Solution			B	A	C		B		U	U	C	A	U
Drinking Water	A	A	A	A	A	B	B	A	U	U	A	A	A
Dry Cleaning Fluids	U	U	U	U	C		U	U	U	U	U	B	A
DTE Light Oil	U	U	U	U	A		B	U	B		U	A	A
E													
Elco 28-EP Lubricant	U	U	U	U	A		C	U	A	B	B	A	A
Epichlorohydrin	U	U	B	B	U		U	U	U	U	U	U	U
Epoxy Resins			A	A			A						U
Esam-6 Fluid		A	B	A			B	B		U		U	U
Esso Fuel 208	U	U	U	U	A		B	C	U	A	U	A	A
Esso Golden Gasoline	U	U	U	U	B		U	U	U	B	U	A	A
Esso Motor Oil	U	U	U	U	A		C	U	U	A	U	A	A
Esso Transmission Fluid (type A)	U	U	U	U	A		B	U	U	C	U	A	A
Esso WS3812 (MIL-L-7808A)	U	U	U	U	A		U	U	U	B	U	A	A
Esso XP90-EP Lubricant	U	U	U	U	A		B	B	A	A	U	A	A
Esstic 42, 43	U	U	U	U	A		B	U	B	U	U	A	A
Ethane	U	U	U	U	A		B	B	C	A	U	B	A
Ethanol Amine	B	B	B	B	B	B	B	B	C	B	A	U	U
Ethers	U	U	U	C	U	B	U	U	C	B	A	U	C
Ethyl Acetate-Organic Ester	U	U	B	B	U	U	U	U	U	B	B	U	U
Ethyl Acetoacetate	C	C	B	B	U		U	U	U	B	B	U	U
Ethyl Acrylate	U	U	B	B	U	U	U	U	U	B	B	U	U
Ethyl Acrylic Acid	U	U	B	B	U		B	U	U	U	U	U	U
Ethyl Alcohol	A	A	A	A	C	A	A	A	U	A	B	A	A
Ethyl Benzene	U	U	U	U	U	U	U	U	U	U	U	A	A
Ethyl Benzoate	U	U	U	U	U	U	U	U	U	B	U	A	A
Ethyl Bromide	U	U	U	U	B		U	U	U			A	A
Ethyl Cellosolve	U	U	B	B	U		U	U	U	B	U	U	U
Ethyl Cellulose	B	B	B	B	B		B	B	B	U	C	U	U

Chemical Compatibility Chart

Legend

- A – Recommended
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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydri	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Ethyl Chloride	B	B	A	A	A	B	B	U	B	U	U	A	A
Ethyl Chlorocarbonate	U	U	U	U	U	U	U	U	U	U	U	B	A
Ethyl Chloroformate	U	U	U	U	U	U	U	U	U	U	U	B	A
Ethyl Cyclopentane	U	U	U	U	A	U	C	U	A	B	U	A	A
Ethyl Ether	U	U	C	C	C	B	U	U	B	A	U	C	U
Ethyl Formate	U	U	B	B	U	U	B	B	U	U	U	A	A
Ethyl Hexanol	A	A	A	A	A	U	A	A	U	B	B	A	A
Ethyl Mercaptan	U	U	U	U	U	U	C	C	U	U	C	C	B
Ethyl Oxalate	U	U	U	U	U	U	U	U	A	A	U	B	A
Ethyl Pentachlorobenzene	U	U	U	U	U	C	U	U	U	U	U	B	A
Ethyl Silicate	B	B	A	A	A	A	A	B	U	B	U	A	A
Ethylene					A							A	A
Ethylene Chloride	U	U	U	U	U		U	U	U	B	U	C	B
Ethylene Chlorohydrin	B	B	B	B	U		B	B	U	B	C	C	B
Ethylene Diamine	B	B	A	A	A	A	A	B	U	U	A	U	U
Ethylene Dibromide	U	U	C	C	U		U	U	U	U	U	C	A
Ethylene Dichloride	U	U	C	C	U	U	U	U	U	U	U	C	A
Ethylene Glycol	A	A	A	A	A	U	A	A	B	U	A	A	A
Ethylene Oxide	U	U	C	C	U	U	U	U	U	U	U	U	U
Ethylene Trichloride	U	U	C	C	U		U	U	U	U	U	C	U
Ethylmorpholene Stannous Octoate (50/50 mixture)		U	B	B	U								U
F													
F-60 Fluid (Dow Corning)	A	A	A	A	A		A	A	A	A	U	A	A
F-61 Fluid (Dow Corning)	A	A	A	A	A		A	A	A	A	U	A	A
Fatty Acids	C	U	U	U	B		B	U		U	C	A	A
FC-43 Heptacosofluorotri-butylamine		U	A	A	A		A	A		A	A	A	A
FC-75 Fluorocarbon		U	A	A	A		A	A		A	A	B	A
Ferric Chloride	A	A	A	A	A	A	B	B	A	A	A	A	A
Ferric Nitrate	A	A	A	A	A	A	A	A	A	A	C	A	A
Ferric Sulfate	A	A	A	A	A	A	A	A	A	A	C	A	A
Fish Oil													
Fluoroboric Acid	A	A	A	A	A		A	A					
Fluorine (Liquid)			C	C	U					C	C		B
Fluorobenzene	U	U	U	U	U		U	U			U	B	A
Fluorocarbon Oils			A	A									
Fluorolube		U	A	A	A		A	A		A	A	B	B
Fluorinated Cyclic Ethers			A	A									
Flosilicic	A				A		A	A					
Formaldehyde	B	C	A	A	C	B	C	C	U	B	B	U	U
Formic Acid	A	A	A	A	B	B	A	A	U	U	B	C	C
Freon, 11	U	U	U	U	B		U	A	U	A	U	B	A
Freon, 12	B	A	B	B	A	A	A	A	U	A	U	U	B
Freon, 12 and ASTM-Oil#2(50/50mixture)	U	U	U	U	A		B	B			U	B	A
Freon, 12 and Suniso 4G (50/50mixture)	U	U	U	U	A		B	B			U	B	A
Freon, 13	A	A	A	A	A	A	A	A		A	U	U	A
Freon, 13B1	A	A	A	A	A		A	A	A	A	U	U	A
Freon, 14	A	A	A	A	A		A	A	A	A	U	U	A
Freon, 21	U	U	U	U	U	B	B	U		U	U		U
Freon, 22	A	A	A	A	U	A	A	A	U	U	U	U	U
Freon, 22 and ASTM-Oil#2(50/50mixture)	U	U	U	U	U		B			B	U	B	B
Freon, 31	B	B	A	A	U		A	B		C			U
Freon, 32	A	A	A	A	A		A	A		A			U
Freon, 112	U	U	U	U	B		B	B		A	U		A
Freon, 113	U	B	U	U	A	A	A	A	B	A	U	U	B
Freon, 114	A	A	A	A	A	A	A	A	A	A	U	B	B

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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydrit	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Freon, 114B2	U	U	U	U	B		A	A		B	CC		B
Freon, 115	A	A	A	A	A		A	A		A			B
Freon, 142b	A	A	A	A	A		A	A		A			U
Freon, 152a	A	A	A	A	A		A	C		A			U
Freon, 218	A	A	A	A	A		A	A		A			A
Freon, C316	A	A	A	A	A		A	A					
Freon, C318	A	A	A	A	A		A	A		A			A
Freon, 502	A	A	A	A	B		A						B
Freon, BF	U	U	U	U	B		B	B		A	U		A
Freon, MF	U	U	U	U	B		U	U		A	U		B
Freon, TF	U	B	U	U	A	A	A	A	A	A	U		B
Freon, TA	A	A	A	A	A	A	A	A	A	A	U		C
Freon, TC	U	B	A	B	A		A	A	A	A	U		A
Freon, TMC	B	C	B	B	B		B	B	A	A	C		A
Freon,T-P35	A	A	A	A	A		A	A	A	A	A		A
Freon,T-WD602	C	B	A	B	B		B	B	A	A	U		A
Freon, PCA	U	B	U	U	A		A	A	A	A	U		B
Fuel Oil	U	U	U	U	A	A	B	C	U	A	U	A	A
Fuel Oil, Acidic	U	U	U	U	A		B	U	B	A	A	A	A
Fuel Oil, #6	U	U	U	U	B		U	U	B	A	A	A	A
Furnaric Acid	A	A	U	U	A		B	B	U	U	B	A	A
Furning Sulphuric Acid (20/25% Oleum)	U	U	U	U	U		U	U	U	U	U		A
Furan (Furfuran)	U	U	U	C	U		U	U	U	B	U		A
Furfural	U	U	B	B	U	U	U	U	U	U	U		U
Furfuraldehyde	U	U	B	B	U		U	U	U	U	U		U
Furaryl Alcohol	U	U	B	B	U		U	U	U	U	U	U	
Furyl Carbinol	U	U	B	B	U		U	U	U	U	U	U	
Fyrquel A60	U	U	B	B	U		U	U	U	U	C		U
Fyrquel 90, 100, 150, 220, 300, 500	U	U	A	A	U		U	U	U	U	A	B	A
G													
Gallic Acid	A	B	B	B	B		B	B	U			A	A
Gasoline	U	U	U	U	A	A	B	B	B	A	U	A	A
Gelatin	A	A	A	A	A	A	A	A	U	U	A	A	A
Girling Brake Fluids		A	B	A	C		B	B	U	U	U	U	U
Glacial Acetic Acid	B	B	B	B	B		U	U	U	B	B	U	U
Glauber's Salt	B	U	B	B	U		B	B	U	U	A	A	B
Glucose	A	A	A	A	A	A	A	A	U	U	A	A	A
Glue (Depending on type)	A	A	A	A	A	A	A	A	A	U	U	A	A
Glycerine-Glycerol	A	A	A	A	A	A	A	A	U	B	A	A	A
Glycols	A	A	A	A	A	A	A	A	U	A	A	A	A
Green Sulphate Liquor	B	B	A	A	B	A	B	B	A	U	A	B	A
Gulfcrown Grease	U	U	U	U	A		B	U	A	C	U	A	A
Gulf Endurance Oils	U	U	U	U	A		B	U	A	C	U	A	A
Gulf FR Fluids (Emulsion)	U	U	U	U	A		B	U	A	A	U	A	A
Gulf FRG-Fluids	A	A	A	A	A		A	A	B	C	A	A	A
Gulf-FRP-Fluids	U	U	B	B	U		U	U	U	C	A	B	B
Gulf Harmony Oils	U	U	U	U	A		B	U	A	C	U	A	A
Gulf High Temperature Grease	U	U	U	U	A		B	U	A	C	U	A	A
Gulf Legion Oils	U	U	U	U	A		B	U	A	C	U	A	A
Gulf Paramount Oils	U	U	U	U	A		B	U	B	C	U	A	A
Gulf Security Oils	U	U	U	U	A		B	U	B	C	U	A	A
H													
Halothane	U	U	U	U	U		U	U	U	U	U	B	A
Halowax Oil	U	U	U	U	U		U	U	U	A	U	A	A

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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Hannifin Lube A	U	B	U	U	A		A	A	A	A	B	A	A
Heavy Water	A	A	A	A	A		B	A	U	U	A	A	A
HEF-2 (High Energy Fuel)	U	U	U	U	B		U	U	U	B	A	B	A
Hellum	A	A	A	A	A		A	A	A	A	A	A	A
N-Heptane	U	U	U	U	A		B	B	B	A	U	A	A
N-Hexaldehyde	U	U	B	A	U		A	C	B	B	B	U	U
Hexane	U	U	U	U	A	A	B	B	B	A	U	A	A
N-Hexane-1	U	U	U	U	B		B	B	B	A	U	A	A
Hexyl Alcohol	A	A	C	C	A		B	B	U	A	B	B	A
High Viscosity Lubricant, U4		A	A	A	A		B		U	U	A	B	A
High Viscosity Lubricant, H2		A	A	A	A		B		U	U	A	B	A
Hilo MS #1	U	U	B	A	U		U	U	U	U	C	B	U
Houghto-Safe 271 (Water & Glycol base)		A	B	A	A		B	U	U	U	C	B	U
Houghto-Safe 620 (water Clycol)		A	B	A	A		B		U	U	B	B	U
Houghto-Safe 1010, Phosphate Ester	U	U	A	A	U		U	U		C	C	B	A
Houghto-Safe 1055, Phosphate Ester	U	U	A	A	U		U	U	U	C	C	B	A
Houghto-Safe 1120, Phosphate Ester	U	U	A	A	U		U	U	U	C	C	B	A
Houghto-Safe 5040, (Water/Oil emulsion)	U	U	U	U	A		B	U	U	C	C	B	A
Hydraulic Oil (Petroleum Base)	U	U	U	U	A	A	B	B	A	U	C	A	A
Hydrazine		B	A	A	B		B	B	U	U	C	C	A
Hydrobromic Acid	A	U	A	A	U		U	A	U	U	U	C	A
Hydrobromic Acid 40%	A	U	A	A	U		B	A	U	U	U	C	A
Hydrocarbon (Saturdated)	U	U	U	U	A		B	C	U	A	U	A	A
Hydrochloric Acid Hot 37%	U	U	C	C	U	U	U	C	U	U	U	B	A
Hydrochloric Acid Cold 37%	B	B	A	A	B	U	B	A	U	U	U	B	A
Hydrochloric Acid 3 Molar	C	C	A	A	C		C	B	U	U	U	B	A
Hydrochloric Acid Concentrated	U	U	A	C	U		U	U	U	U	U	C	A
Hydrocyanic Acid	B	B	A	A	B		B	A	U	U	U	C	A
Hydro-Drive, MIH-50 (Petroleum Base)	U	U	U	U	A		B	U	B	A	B	A	A
Hydro-Drive, MIH-10 (Petroleum Base)	U	U	U	U	A		B	U	B	A	B	A	A
Hydrofluoric Acid, 65% Max. Cold	B	B	A	A	B		A	A	U	U	U	U	A
Hydrofluoric Acid, 65% Min. Cold	U	U	C	C	U		U	A	U	U	U	U	A
Hydrofluoric Acid, 65% Max. Hot	U	U	U	U	U		C	C	U	U	U	U	C
Hydrofluoric Acid, 65% Min. Hot	U	U	U	U	U		U	U	U	U	U	U	C
Hydroflosilicic Acid	A	B	A	A	B		B	A	U	U	U	U	A
Hydrogen Gas, Cold	B	B	A	A	A		A	A	A	C	C	C	A
Hydrogen Gas, Hot	B	B	A	A	A		A	A	A	U	C	C	A
Hydrogen Peroxide (1)	B	B	A	A	B		A	B	A	C	A	C	A
Hydrogen Peroxide 90% (1)	U	U	C	C	U		U	C	U	U	B	B	B
Hydrogen Sulfide Dry, Cold	A	A	A	A	A		A	A	U	B	C	C	U
Hydrogen Sulfide Dry, Hot	U	U	A	A	U		B	C	U	A	C	C	U
Hydrogen Sulfide Wet, Cold	U	U	A	A	U	B	A	B	U	A	C	C	U
Hydrogen Sulfide Wet, Hot	U	U	A	A	U	B	B	C	U	A	C	C	U
Hydrolube-Water/Ethylene Glycol		A	B	A	A		A		U		C	B	A
Hydroquinone	B	U	U	U	C		U	U		C		B	U
Hydyne	B	B	B	A	B		B			U	U	U	U
Hyjet	U	U	B	A	U		U	U	U	U			U
Hyjet III	U	U	B	A	U		U	U	U	U			U
Hyjet S	U	U	B	A	U		U	U	U	U			U
Hyjet W	U	U	B	A	U		U	U	U	U			U
Hypochlorous Acid	B	U	B	B	U	B	U	U		U			A
I													
Industron FF44	U	U	U	U	A		B	U	B		U	A	A
Industron FF48	U	U	U	U	A		B	U	B		U	A	A

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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Industron FF53	U	U	U	U	A	U	B	U	B		U	A	A
Industron FF80	U	U	U	U	A	U	B	U	B		U	A	A
Iodine	U	B	B	B	B	U	U	B	U		U	A	A
Iodine Pentafluoride	U	U	U	U	U	U	U	U	U	U	U	U	U
Iodoform	U	U	A	A	U	U	U	U	U		U	U	U
Isobutyl Alcohol	A	B	A	A	B	U	A	A	U	B	A	B	A
Iso-Butyl N-Butyrate	U	U	A	A	U	U	U	U	U	U	A	B	A
Isododecane	U	U	U	U	A	U	B	B	U	A	U	A	A
Iso-Octane	U	U	U	U	A	A	B	B	B	A	U	A	A
Isophorone (Ketone)	U	U	A	A	U	U	U	U	U	A	U	U	U
Isopropanol	A	B	A	A	B	U	B	U	U	A	B	U	A
Isopropyl Acetate	U	U	B	B	U	U	U	U	U	B	A	U	U
Isopropyl Alcohol	A	B	A	A	B	A	B	A	U	A	U	B	A
Isopropyl Chloride	U	U	U	U	U	U	U	U	U	U	U	B	A
Isopropyl Ether	U	U	U	U	B	U	C	C	B	A	U	C	U
J													
JP 3 (MIL-J-5624)	U	U	U	U	A	U	U	U	B	B	U	A	A
JP 4 (MIL-J-5624)	U	U	U	U	A	U	U	U	B	B	U	B	A
JP 5 (MIL-J-5624)	U	U	U	U	A	U	U	U	B	B	U	B	A
JP 6 (MIL-J-25656)	U	U	U	U	A	U	U	U	B	B	U	B	A
JP X (MIL-F-25604)	U	U	U	U	A	U	B	U	U	A	U	U	U
K													
Kel F Liquids		A	A	A	A	U	U	A	U	A	A	B	B
Kerosene	U	U	U	U	A	A	C	U	B	B	U	A	A
Keystone #87HX-Grease	U	U	U	U	A	U	U	U	A	A	U	A	A
L													
Lactams-Amino Acids	U	U	B	B	U	U	B	B	U	U	U	U	U
Lactic Acid, Cold	A	A	A	A	A	U	A	A	U	U	U	A	A
Lactic Acid, Hot	U	U	U	U	U	U	U	B	U	U	U	B	A
Lacquers	U	U	U	U	U	U	U	U	U	A	U	U	U
Lacquer Solvents	U	U	U	U	U	U	U	U	U	U	U	U	U
Lactic Acids	A	A	A	A	A	U	A	A	U	A	U	A	A
Lard, Animal Fats	U	U	U	U	A	A	C	U	A	U	B	A	A
Lavender Oil	U	U	U	U	B	U	U	U	U	B	U	B	A
Lead Acetate	A	U	A	A	B	B	B	U	U	U	U	U	U
Lead Nitrate	A	A	A	A	A	U	A	U	U	U	U	A	A
Lead Sulphamate	B	B	A	A	B	U	A	A	U	U	U	B	A
Lehigh X1169	U	U	U	U	A	U	B	B	A	A	U	A	A
Lehigh X1170	U	U	U	U	A	U	B	B	A	A	U	A	A
Light Grease	U	U	U	U	A	U	U	U	A	A	U	A	A
Ligroin (Petroleum Ether or Benzine)	U	U	U	U	A	U	B	C	B	U	U	A	A
Lime Bleach	A	A	A	A	A	U	B	B	U	U	U	A	A
Lime Sulphur	U	U	A	A	U	U	A	A	U	U	A	A	A
Lindol, Hydraulic Fluid (Phosephaste Ester type)	U	U	A	A	U	U	U	U	U	U	C	C	B
Linoleic Acid	U	U	U	U	B	U	U	U	U	U	B	A	B
Linseed Oil	U	U	C	C	A	U	C	C	B	U	A	U	A
Liquid Oxygen	U	U	U	U	U	U	U	U	U	U	U	U	U
Liquid Petroleum Gas (LPG)	U	U	U	U	A	A	B	U	A	A	C	C	A
Liquimoly	U	U	U	U	A	U	B	U	B	U	U	A	A
Lubricating Oils, Di-ester	U	U	U	U	B	U	C	U	U	C	U	B	A
Lubricating Oils, Petroleum Base	U	U	U	U	A	A	B	U	B	C	U	A	A
Lubricating Oils, SAE 10, 20, 30, 40, 50	U	U	U	U	A	A	B	U	B	C	U	A	A
Lye Solutions	B	B	A	A	B	U	B	A	U	B	B	B	B

Chemical Compatibility Chart

Legend

- A – Recommended
- B – Minor to Moderate Effect
- C – Moderate to Severe
- U – Not Recommended

Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
M													
Magnesium Chloride	A	A	A	A	A	A	A	A	A	C	A	A	A
Magnesium Hydroxide	B	B	A	A	B	A	B	A	B	C	A	A	A
Magnesium Sulphate	B	B	A	A	A	A	A	A	A	B	A	A	A
Magnesium Sulphite	B	B	A	A	A	A	A	A	A	B	A	A	A
Magnesium Salts	A	A	A	A	A	A	A	A	A	A	A	A	A
Malathion	U	U	U	U	B					A	U	B	A
Maleic Acid	U	U	U	U	U		U	U		B			A
Maleic Anhydride	U	U	U	U	U		U	U					A
Malic Acid	A	B	U	U	A		B	B			B	A	A
MCS 312	U	U	U	U	U		U	U		U	A	A	A
MCS 352	U	U	B	A	U		U	U		U	C	C	U
MCS 463	U	U	B	A	U		U	U		U	C	C	U
Mercuric Chloride	A	A	A	A	A	A	A	A	A	A			A
Mercury	A	A	A	A	A	A	A	A	A	A			A
Mercury Vapors	A	A	A	A	A	A	A	A	A	A			A
Mesityl Oxide (Ketone)	U	U	B	B	U		U	U	U	B	U	U	A
Methane	U	U	U	U	A	A	B	B	U	B	U	B	A
Methanol	A	A	A	A	A		A	A	U	B	U	A	A
Methyl Acetate	U	U	B	B	U	U	B	U	U	B	U	U	U
Methyl Acetoacetate			B	B	U		U	U	U	B	U	U	U
Methyl Acrylate	U	U	B	B	U		B	U	U	B	U	U	U
Methylacrylic Acid	U	U	B	B	U		B	U	U	U	U	U	C
Methyl Alcohol	A	A	A	A	A	B	A	A	U	B	U	A	C
Methyl Benzoate	U	U	U	U	U		U	U	U	B	U	A	A
Mentyl Bromide	U	U	U	U	B		U	U	U			A	A
Methyl Butyl Ketone	U	U	A	A	U		U	U	U	A	U	U	A
Methyl Carbonate	U	U	U	U	U		U	U	U	U	U	B	A
Methyl Cellosolve	U	U	B	B	C		B	U	U	U	U	U	U
Methyl Cellulose	B	B	B	B	B		B	B	B	U	B	U	U
Methyl Chloride	U	U	C	C	U		U	U	U	C	U	B	A
Methyl Chloroformate	U	U	U	U	U		U	U	U	U	U	B	A
Methyl D-Bromide	U	U	U	U	U		U	U	U	U	U	B	A
Methyl Cyclopentane	U	U	U	U	U		U	U	U	B	U	B	A
Methylene Chloride	U	U	U	U	U		U	U	U	U	U	B	B
Methylene Dichloride	U	U	U	U	U		U	U	U	U	U	B	B
Methyl Ether	A	A	A	A	A		C	U	U	U	A	A	A
Methyl Ethyl Ketone (MEK)	U	U	A	A	U	U	U	U	U	B	U	U	U
Methyl Ethyl Ketone Peroxide	U	U	U	U	U		U	U	U	U	B	U	U
Methyl Formate	U	U	B	B	U	U	B	B	U	U	B	U	U
Methyl Isobutyl Ketone (MIBK)	U	U	C	C	U	U	U	U	U	B	U	U	U
Methyl Isopropyl Ketone	U	U	B	B	U	U	U	U	U	B	U	U	U
Methyl Methacrylate	U	U	U	U	U	U	U	U	U	B	C	U	U
Methyl Oleate	U	U	B	B	U		U	U	U			B	A
Methyl Salicylate			B	B	U		U	U					
MIL-L-644B	C	C	C	C	A	A	C	C	C		C	A	A
MIL-L-2104B	U	U	U	U	A	A	B	C	A	A	U	A	A
MIL-L-2105B	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-L-2108	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-S-3136B, Type I Fuel	U	U	U	U	A	A	B	C	B	A	U	A	A
MIL-S-3136B, Type II Fuel	U	U	U	U	B	A	U	U	C	A	U	B	A
MIL-S-3166B, Type III Fuel	U	U	U	U	B	A	U	U	C	A	U	B	A
MIL-S-3168B, Type IV	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-S-3136B, Type V	U	U	U	U	A	A	B	B	B	A	C	A	A

Chemical Compatibility Chart

Legend

- A – Recommended
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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
MIL-S-3136B, Type VI	U	U	U	U	A	A	U	U	B	A	U	A	A
MIL-S-3136B, Type VII	U	U	U	U	A	A	C	U	C	A	U	A	A
MIL-L-3150A	U	U	U	U	A	A	B	B	B	A	U	A	A
MIL-G-3278	U	U	U	U	B	A	U	U	B	B	U	B	A
MIL-L-3503	U	U	U	U	A	A	B	B	B	A	U	A	A
MIL-L-3545B	U	U	U	U	B	A	B	B	C	C	U	A	A
MIL-C-4339C	U	U	U	U	A	A	U	U	U	A	C	A	A
MIL-G-4343B	U	U	C	C	B	A	B	B	A	A	U	B	A
MIL-L-5020A	U	U	U	U	A	A	B	C	B	A	U	A	A
MIL-J-5161F	U	U	U	U	B	A	U	U	C	A	U	A	A
MIL-C-5545A	U	U	U	U	B	A	B	C	C	C	U	A	A
MIL-H-5559A	B	A	A	A	B	B	B	B	C	C	B	B	B
MIL-F-5566	A	B	A	A	B	B	B	B	U	A	A	A	A
MIL-G-5572	U	U	U	U	A	A	U	U	B	A	U	A	A
MIL-F-5602	U	U	U	U	A	A	B	B	B	A	C	A	A
MIL-H-5606B	U	U	U	U	A	A	B	B	B	A	U	A	A
MIL-J-5624, JP-3U	U	U	U	U	A	A	U	U	C	B	U	B	A
MIL-J-5624G, JP-4	U	U	U	U	A	A	U	U	C	B	U	B	A
MIL-J-5624G, JP-5	U	U	U	U	A	A	U	U	C	B	U	B	A
MIL-L-6081C	U	U	U	U	A	A	B	B	B	A	U	A	A
MIL-L-6082C	U	U	U	U	A	A	B	B	A	A	C	A	A
MIL-H-6083C	U	U	U	U	A	A	B	B	B	A	U	A	A
MIL-L-6085A	U	U	U	U	B	B	U	U	C	A	U	B	A
MIL-L-6086B	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-A-6091	A	A	A	A	B	A	A	A	U	A	A	A	A
MIL-L-6387A	U	U	U	U	B	B	U	U	B	B	U	B	A
MIL-C-6529C	U	U	U	U	B	B	B	C	C	C	U	A	A
MIL-F-7024A	U	U	U	U	A	B	U	U	B	A	U	A	A
MIL-H-7083	B	B	A	A	A	B	B	U	U	C	B	B	B
MIL-G-7118A	U	U	U	U	B	B	C	C	C	B	U	A	A
MIL-G-7187	U	U	U	U	A	A	U	U	A	B	U	A	A
MIL-G-7421A	U	U	U	U	B	B	C	C	B	A	U	B	A
MIL-H-7644	B	A	B	A	B	B	B	B	C	C	U	B	A
MIL-L-7645	U	U	U	U	B	B	B	C	C	C	U	A	A
MIL-G-7711A	U	U	U	U	A	A	U	U	A	A	C	A	A
MIL-L-7808F	U	U	U	U	B	A	U	U	U	B	U	B	A
MIL-L-7870A	U	U	U	U	A	A	B	U	U	A	U	A	A
MIL-C-8188C	U	U	U	U	B	B	U	U	U	B	U	B	B
MIL-A-8243B	B	A	A	A	A	B	B	B	C	C	B	B	B
MIL-L-8383B	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-H-8446B	U	U	U	U	B	C	C	U	U	B	U	A	A
MIL-I-8660B	A	A	A	A	A	A	A	A	A	A	U	A	A
MIL-L-9000F	U	U	U	U	A	A	B	C	C	B	U	B	A
MIL-T-9188B	U	U	A	A	U	U	U	U	U	U	U	C	U
MIL-L-9236B	U	U	U	U	B	B	U	U	U	B	U	B	A
MIL-E-9500	A	A	A	A	A	A	A	A	U	A	A	A	A
MIL-L-10295A	U	U	U	U	A	A	B	B	B	A	C	A	A
MIL-L-10324A	U	U	U	U	A	A	B	B	B	A	C	A	A
MIL-G-10924B	U	U	U	U	A	A	U	B	B	A	U	A	A
MIL-L-11734B	U	U	C	U	A	B	C	C	C	B	C	A	A
MIL-O-11773	U	U	C	U	A	B	C	C	C	B	C	A	A
MIL-P-12098	B	A	B	A	B	B	B	B	B	C	U	B	A
MIL-H-13862	U	U	U	U	A	A	B	B	B	A	C	A	A
MIL-H-13866A	U	U	U	U	A	A	B	B	B	A	C	A	A

Chemical Compatibility Chart

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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
MIL-H-13910B	B	A	B	A	B	B	B	B	U	C	U	B	A
MIL-L-14107B	B	C	C	C	C	C	A	A	A	U	U	A	A
MIL-L-15016	C	C	C	C	A	A	B	B	A	A	U	B	A
MIL-L-15017	C	C	C	C	A	A	B	B	A	A	U	B	A
MIL-L15018B	C	C	C	C	A	A	A	A	A	A	U	A	A
MIL-L-15019C	C	C	C	C	A	A	A	A	A	A	U	A	A
MIL-L-15719A	C	B	B	B	B	B	B	B	U	U	U	B	A
MIL-G-15793	C	U	U	U	A	B	C	C	C	B	U	B	A
MIL-F-16884	U	U	U	U	A	C	C	C	C	A	U	A	A
MIL-F-16929A	U	U	U	U	A	C	C	C	C	B	A	A	A
MIL-L-16958A	U	U	U	U	A	A	B	B	B	A	A	A	A
MIL-F-17111	U	U	U	U	A	A	B	U	C	A	U	B	A
MIL-L-17331D	U	U	U	U	A	A	B	B	C	A	U	A	A
MIL-L-17353A	U	U	U	U	A	A	C	C	A	B	C	A	A
MIL-L-17672B	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-L-18486A	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-G-18709A	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-H-19457B	U	U	A	A	U	U	U	U	U	U	U	U	U
MIL-F-19605	U	U	U	U	A	A	C	C	C	A	U	A	A
MIL-L-19701	U	U	C	U	A	B	C	C	C	A	B	A	A
MIL-L-21260	U	U	U	U	A	A	B	B	A	A	U	A	A
MIL-G-21568A	B	A	A	A	A	A	A	A	A	A	U	B	A
MIL-H-22072	B	A	A	A	A	A	B	B	A	C	U	B	B
MIL-H-22251	U	B	A	A	B	A	B	B	A	U	U	A	A
MIL-L-22396	U	U	U	U	A	A	A	A	A	C	U	A	A
MIL-L-23699A	U	U	U	U	B	A	C	C	C	A	B	B	A
MIL-G-23827A	U	U	C	U	A	B	C	C	C	B	U	C	A
MIL-G-25013D	U	U	U	U	A	A	B	B	C	B	U	B	A
MIL-F-25172	U	U	U	U	A	A	C	C	C	A	U	A	A
MIL-L-25336B	U	U	C	U	A	B	C	C	C	B	U	A	A
MIL-F-25524A	U	U	U	U	A	A	C	C	C	A	U	A	A
MIL-G-25537A	U	U	U	U	A	A	B	B	B	A	U	A	A
MIL-F-25558B	U	U	U	U	A	A	B	B	B	A	U	A	A
MIL-F-25576C	U	U	U	U	A	A	C	C	C	A	U	A	A
MIL-H-25598	U	U	U	U	A	A	B	B	B	A	U	A	A
MIL-F-25656B	U	U	U	U	A	A	U	U	C	B	U	B	A
MIL-L-25681C	B	B	A	A	B	B	B	U	C	B	U	B	A
MIL-G-25760A	U	U	U	U	B	B	C	C	B	B	U	B	A
MIL-L-25968	U	U	C	U	A	B	C	C	C	B	U	A	A
MIL-L-26087A	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-G-27343	A	A	A	A	A	A	A	A	A	A	U	A	A
MIL-P-27402	U	B	A	A	A	B	B	B	C	C	U	U	A
MIL-H-27601A	U	U	U	U	B	B	B	C	C	U	U	B	A
MIL-G-27617	U	B	A	A	U	A	A	A	A	U	U	A	A
MIL-I-27686D	B	A	A	A	A	B	B	B	C	C	B	B	A
MIL-L-27694A	A	A	A	A	A	A	C	A	C	A	U	A	A
MIL-L46000A	U	U	C	U	A	A	A	A	A	A	C	A	A
MIL-H-46001A	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-L-46002	U	U	U	U	A	A	A	A	A	A	C	A	A
MIL-H-46004	U	U	U	U	A	A	B	B	B	A	C	A	A
MIL-P-46046A	B	A	B	A	B	B	B	B	C	A	U	B	A
MIL-H-81019B	U	U	U	U	A	A	B	B	B	A	C	A	A
MIL-S-81087	A	A	A	A	A	A	A	A	A	A	U	B	A
MIL-H-83282	U	U	U	U	A	A	B	B	B	A	U	A	A

Chemical Compatibility Chart

Legend

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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Milk	A	A	A	A	A		A	A	U	B	A	A	A
Mineral Oils	U	U	U	U	A	A	B	B	A	B	B	A	A
Mobil 24 DTE	U	U	U	U	A		B	U	B		U	A	A
Mobil HF	U	U	U	U	A		B	U	B		U	A	A
Mobil Delvac 1100, 1110, 1120, 1130	U	U	U	U	A		B	U	B		U	A	A
Mobil Nyvac 20 and 30	A	A	A	A	A		A	A			A	A	A
Mobil Velocite C	U	U	U	U	A		B	U	B		U	A	A
Mobilegas WA200, Type A Automatic Trans. Fluid	U	U	U	U	A		B	U		A	U	A	A
Mobil Oil SAE 20	U	U	U	U	A		B	B	A	A	U	A	A
Mobiltherm 600	U	U	U	U	A		B	U	B	A	U	A	A
Mobilux	U	U	U	U	A		B	U	B	C	U	A	A
Mono Bromobenzene	U	U	U	U	U		U	U	U	A	U	B	A
Mono Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	B	A
Mono Ethanolamine	B	B	B	B	U		U	U	U	U	B	U	U
Monomethyl Aniline	U	U			U		U	U	U	U			B
Monomethylether	B	B	A	A	A		A	U		B			
Monomethyl Hydrazine		B	A	A	B		B	B		U	U		
Mononitrotoluene & Dinitrotoluene (40/60 Mix)	U	U	U	U	U		U	U	U	U	B	C	C
Monovinyl Acetylene	B	B	A	A	A		B	B		U	B	U	A
Mopar Brake Fluid		A	B	A	C		B	B		U	C	U	U
Mustard Gas	A		A	A			A	A			A		U
N													
Naptha	U	U	U	U	C	A	U	U	C	B	U	B	A
Napthalene	U	U	U	U	U		U	U	C	B	U	A	A
Napthenic Acid	U	U	U	U	B		U	U	U	B	U	A	A
Natural Gas	C	C	U	U	A	A	A	A	B	B	U	C	A
Neatsfoot Oil	U	U	B	B	A	A	U	U	A	B	A	A	A
Neon	A	A	A	A	A		A	A	A	A	A	A	A
Neville Acid	U	U	B	B	U		U	U	U	A	U	B	A
Nickel Acetate	A	U	A	A	B		B	U	U	A	U	A	U
Nickel Chloride	A	A	A	A	A		B	A	C	U	A	A	A
Nickel Salts	A	A	A	A	A		B	A	C	C	A	A	A
Nickel Sulfate	B	B	A	A	A		A	A	C	C	A	A	A
Niter Cake	A	A	A	A	A		A	A	A	C	A	A	A
Nitric Acid (1) 3 Molar	U	U	A	B	U		U	U	U	U	U	C	A
Nitric Acid (1) Concentrated	U	U	C	U	U	U	U	U	U	U	U	U	A
Nitric Acid Dilute	U	U	B	B	U	U	A	A	C	U	U	B	A
Nitric Acid (1) Red Fuming (RFNA)	U	U	B	U	U	U	U	U	U	U	U	U	C
Nitric Acid (1) Inhibited Red Fuming (IRFNA)	U	U	B	U	U		U	U	U	U	U	U	B
Nitrobenzene	U	U	U	U	U	U	U	U	U	U	U	U	B
Nitrobenzine			C	C			U	U				A	A
Nitroethane	B	B	B	B	U		c	C	U		U	U	U
Nitrogen	A	A	A	A	A	A	A	A	A	A	A	A	U
Notrogen (Textroxide (N2O4) (1)	U	U	C	U	U		U	U	U	U	U	U	U
Nitromethane	B	C	B	B	U		C	C	U		U	U	U
Nitropropane	U	U	B	B	U		U	U	U		U	U	U
O													
O-A-548A	B	A	A	A	A	B	B	B	C	C	B	B	B
O-T634b	U	U	U	U	C	C	U	U	U	C	U	B	A
Octachloro Toluene	U	U	U	U	U		U	U	U	U	U	B	A
Octadecane	U	U	U	U	A		B	B	A	A	U	A	A
N-Octane	U	U	U	U	B		U	U	U	B	U	B	A
Octyl Alcohol	B	B	B	A	B		B	B	U	B	B	B	A
Oleic Acid	U	U	B	B	C		C	C	B	U	U		B

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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Oleum (Fuming Sulfuric Acid)	U	U	U	U	U		U	U	U	U	U		A
Oleum Spirits	U	U	U	U	B		C	U	C	U	U	B	A
Olive Oil	U	U	B	B	A	B	B	B	A	U	U	A	A
Oronite 8200	U	U	U	U	B		A	U	A	U	U	A	A
Oronite 8515	U	U	U	U	B		A	U	A	U	U	A	A
Orthochloro Ethyl Benzene	U	U	U	U	U		U	U	U	B	U	B	A
Ortho-Dichlorobenzene	U	U	U	U	U		U	U	U	B	U	B	A
OS 45 Type III (OS45)	U	U	U	U	B		A	B	U	U	U	B	A
OS 45 Type IV (OS45-1)	U	U	U	U	B		A	B	U	U	U	B	A
OS 70	U	U	U	U	B		A	B	U	U	U	B	A
Oxalic Acid	B	B	A	A	B	C	B	B	U	U	B	A	A
Oxygen, Cold	B	U	A	A	B	C	A	B	A	U	A	A	A
Oxygen, Cold 200-400 F	U	U	U	U	U	U	U	U	U	U	B	U	B
Ozone	U	U	B	A	U	A	C	A	A	A	A	B	A
P													
P-S-661b	U	U	U	U	A	A	C	C	C	A	U	A	A
P-D-680	U	U	U	U	A	A	C	C	C	A	U	A	A
Paint Thinner-Duco	U	U	U	U	U		U	U	U	B	U	B	B
Palmitic Acid	B	B	B	B	A	B	B	C	A	U	U	A	A
Para-dichlorobenzene	U	U	U	U	U		U	U	U	U	U	B	A
Para-al-Ketone	U	U	U	U	U		U	U	U	B	U	U	U
Parker O Lube	U	B	U	U	A		A	A	A	A	B	A	A
Peanut Oil	U	U	C	C	A	A	B	B	B	U	A	A	A
Pentane, 2 Methyl	U	U	U	U	A		B	B	U	A	U	C	A
Pentane, 2-4 dimethyl	U	U	U	U	A		B	B	U	A	U	C	A
Pentane, 3 Methyl	U	U	U	U	A		B	B	U	A	U	C	A
N-Pentane	U	C	U	U	A		B	B	U	A	U	C	A
Perchloric Acid	U	U	B	B	U	C	B	B	U	U	U	A	A
Perchloroethylene	U	U	U	U	C	C	U	U	U	B	U	B	A
Petroleum Oil, Crude	U	U	U	U	A		B	B	A	U	U	B	A
Petroleum Oil, Below 250°F	U	U	U	U	A		B	B	B	U	U	B	A
Petroleum Oil, Above 250°F	U	U	U	U	U	A	B	B	U	U	U	B	B
Phenol	U	U	U	B	U		U	U	U	U	U	B	A
Phenol, 70%/30% H2O	U	U	U	U	U		U	U	U	U	U	B	A
Phenol, 85%/15% H2O	U	U	U	U	U		U	U	U	U	U	B	A
Phenylbenzene	U	U	U	U	U		U	U	U	B	U	B	A
Phenyl Ethyl Ether	U	U	U	U	U		U	U	U	B	U	U	U
Phenyl Hydrazine	A	B	U	U	U		U	U	U	U	U	U	A
Phorone	U	U	B	B	U		U	U	U	U	U	U	U
Phosphoric Acid 20%	B	C	B	A	U		B	B	A	U	B	B	A
Phosphoric Acid 45%	U	U	B	B	U		B	B	A	U	U	B	A
Phosphoric Acid, 3 Molar	B	B	B	A	U		C	B	A	U	U	B	A
Phosphoric Acid, Concentrated	U	U	C	B	U		U	C	A	U	C	B	A
Phosphorous Trichloride	U	U	A	A	U		U	U	U	U	U	A	A
Pickling Solution	U	U	C	C	U	U	U	U	U	U	U	U	B
Picric Acid, H2O Solution	B	B	B	B	B	U	B	B	B	U	U	B	A
Picric Acid, Molten	B	B	B	B	B	U	B	B	B	U	U	B	A
Pinene	U	U	U	U	B		C	U	B	B	U	B	A
Pine Oil	U	U	U	U	B		U	U	U	B	U	B	A
Piperidine	U	U	U	U	U		U	U	U	U	U	U	U
Plating Solutions, Chrome	U	U	A	A	A		U	U	U	U	U	U	A
Plating Solutions, Others	U	U	A	A	A		U	U	U	U	U	U	A
Pneumatic Service	U	U	A	A	A		A	A	A	U	U	U	A
Polyvinyl Acetate Emulsion	U	U	A	A	A		B	B	A	U	U	U	A

Chemical Compatibility Chart

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Chemical

Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Potassium Acetate	A	U	A	A	B	A	B	U	U	U	U	U	U
Potassium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Cupro Cyanide	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Cyanide	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Dichromate	B	B	A	A	A	A	A	A	B	A	A	A	A
Potassium Hydroxide	B	B	A	A	B	A	B	A	B	B	C	C	B
Potassium Nitrate	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Salts	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Sulphate	B	B	A	A	A	A	A	B	A	B	A	A	A
Potassium Sulphite	B	B	A	A	A	A	A	B	A	B	A	A	A
Prestone Antifreeze	A	A	A	A	A	A	A	A	U	C	A	A	A
PRL-High Temp, Hydro Oil	U	U	U	U	B	B	B	U	B	B	B	A	A
Producer Gas	U	U	U	U	A	A	B	B	A	U	B	B	A
Propane	U	U	U	U	A	A	B	B	C	A	U	B	A
Propane Propionitrile	U	U	U	U	A	A	B	B	U	A	U	C	A
Propyl Acetate	U	U	B	B	U	U	U	U	U	B	U	U	U
N-Propyl Acetone	U	U	A	A	U	U	U	U	U	B	U	U	U
Propyl Alcohol	A	A	A	A	A	A	A	A	U	A	A	A	A
Propyl Nitrate	U	U	B	B	U	U	U	U	U	B	U	U	U
Propylene	U	U	U	U	U	U	U	U	U	B	U	B	A
Propylene Oxide	U	U	B	B	U	U	U	U	U	U	U	U	U
Pyranol, Transformer oil	U	U	U	U	A	U	B	B	B	U	U	A	A
Pyranol	U	U	U	U	A	U	U	U	B	U	U	A	A
Pydraul, 10E, 29 ELT	U	U	B	B	U	U	U	U	U	U	U	A	A
Pydraul, 30E, 50E, 65E, 90E	U	U	B	B	U	U	U	U	U	U	A	A	A
Pydraul, 115E	U	U	B	B	U	U	U	U	U	U	U	C	A
Pydraul, 230E, 312C, 540C	U	U	U	U	U	U	U	U	U	U	U	U	A
Pyridine Oil	U	U	B	B	U	U	U	U	U	U	U	U	U
Pyrogard 42, 43, 53, 55 (Phosphate Ester)	U	U	A	A	U	U	U	U	U	U	U	U	A
Pyrogard C, D	U	U	U	U	A	U	B	U	U	U	B	U	A
Pyroligneous Acid	U	U	B	B	U	U	U	U	U	B	U	U	U
Pyrolube	U	U	B	B	U	U	U	U	U	U	B	U	A
Pyrrole	C	C	U	U	U	U	U	U	U	U	B	U	U
R													
Radiation	C	C	U	C	C	A	C	C	C	U	C	U	U
Rapeseed Oil	U	U	A	A	B	A	B	U	B	U	U	A	A
Red Oil (MIL-H-5606)	U	U	U	U	A	A	B	B	B	A	U	A	A
Red Line 100 Oil	U	U	U	U	A	A	B	B	B	A	U	A	A
RJ-1 (MIL-F-25558)	U	U	U	U	A	A	B	B	B	A	U	A	A
RP-1 (MIL-R-25576)	U	U	U	U	A	A	B	B	B	A	U	A	A
S													
Sal Ammoniac	A	A	A	A	A	A	A	A	A	A	B	A	A
Salicylic Acid	A	B	A	A	B	A	A	A	A	A	A	A	A
Salt Water	A	A	A	A	A	A	A	A	U	U	A	A	A
Santo Safe 300	U	U	C	C	U	U	U	U	U	U	A	A	A
Sewage	B	B	B	B	A	U	B	A	U	U	B	A	A
Shell Alvania Grease #2	U	U	U	U	A	U	B	U	A	A	B	A	A
Shell Camea 19 and 29	U	U	U	U	A	U	U	U	B	U	U	A	A
Shell Diala	U	U	U	U	A	U	B	U	B	U	U	A	A
Shell Iris 905	U	U	U	U	A	U	B	U	A	A	U	A	A
Shell Iris 3XF Mine Fluid (Fire resist Hydro.)	U	U	U	U	A	U	B	U	A	B	U	A	A
Shell Iris Tellus#27, Pet. Base	U	U	U	U	A	U	B	U	A	B	U	A	A
Shell Iris Tellus #33	U	U	U	U	A	U	B	U	A	B	U	A	A
Shell Iris UMF (5% Aromatic)	U	U	U	U	A	U	B	U	A	B	U	A	A

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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Shell Lo Hydrax 27 and 29	U	U	U	U	A		B	U	B		U	A	A
Shell Macoma 72	U	U	U	U	A		B	U	B		U	A	A
Silicate Esters	U	U	U	U	B		A	A	A		U	A	A
Silicone Greases	A	A	A	A	A	A	A	A	A	A	C	A	A
Silicone Oils	A	A	A	A	A	A	A	A	A	A	C	A	A
Silver Nitrate	A	A	A	A	B		A	A	A		A	A	A
Sinclair Opaline CX-Ep Lube	U	U	U	U	A		B	B	A		U	A	A
Skelly, Solvent B,C, E	U	U	U	U	A		U	U				A	A
Skydrol 500	U	U	B	A	U	U	U	U	U	U	C	C	U
Skydrol 7000	U	U	A	A	U	U	U	U	U	U	C	C	B
Soap Solutions	B	B	A	A	A	A	A	A	A	U	A	A	A
Socony Mobile Type A	U	U	U	U	A		B	U	B		U	B	A
Socony Vacuum AMV AC781 (Grease)	U	U	U	U	A		B	U	B		U	B	A
Socony Vacuum PD959B	U	U	U	U	A		B	B	A	A	U	A	A
Soda Ash	A	A	A	A	A	A	A	A		U	U	A	A
Sodium Acetate	A	U	A	A	B		B	U	U	U	U	U	U
Sodium Bicarbonate (Baking Soda)	A	A	A	A	A	A	A	A		C	A	A	A
Sodium Bisulfite	A	B	A	A	A	A	A	A		C	A	A	A
Sodium Borate	A	A	A	A	A	A	A	A		C	A	A	A
Sodium Carbonate (Soda Ash)	A	A	A	A	A	A	A	A		C	A	A	A
Sodium Chloride	A	A	A	A	A	A	A	A	A	U	A	A	A
Sodium Cyanide	A	A	A	A	A	A	A	A		C	A	A	A
Sodium Hydroxide	A	A	A	A	B	B	B	A	B	U	A	B	B
Sodium Hypochlorite	C	C	B	B	B	B	B	B	U	U	B	B	A
Sodium Metaphosphate	A	A	A	A	A		B	B				A	A
Sodium Nitrate	B	B	A	A	B	A	B	A			U	A	A
Sodium Perborate	B	B	A	A	B		B	B		B	B	A	A
Sodium Peroxide	B	B	A	A	B		B	B	U		U	A	A
Sodium Phosphate (Mono)	A	A	A	A	A		A	A	U		U		A
Sodium Phosphate (Dibasic)	A	A	A	A	A		B	A	A		U		A
Sodium Phosphate (Tribasic)	A	A	A	A	A		B	A	A		U		A
Sodium Salts	A	A	A	A	A		B	A	A	A	A	A	A
Sodium Silicate	A	A	A	A	A		A	A					A
Sodium Sulphate	B	B	A	A	A	A	A	A	A	B	A	A	A
Sodium Sulphide	B	B	A	A	A		A	A	A	B	A	A	A
Sodium Silfite	B	B	A	A	A		A	A	A	B	A	A	A
Sodium Thiosulfate	B	B	A	A	B		A	A	A	B	A	A	A
Sovasol #1, 2 and 3	U	U	U	U	A		B	B	B	B	U	A	A
Sovasol #73 and 74	U	U	U	U	B		B	B	B	B	U	A	A
Soybean Oil	U	U	C	C	A	A	C	C	B	U	A	A	A
Spry	U	U	B	B	A	A	B	U	A	U	A	A	A
SR-6 Fuel	U	U	U	U	B		U	U	B	U	U	A	A
SR-10 Fuel	U	U	U	U	A		U	U	B	U	U	A	A
Standard Oil Mobilube GX90-EP Lube	U	U	U	U	A		B	B	A	B	U	A	A
Stannic Chloride	A	A	B	B	A		U	U			B	A	A
Stannic Chloride 50%	A	A	B	B	A		U	U			B	A	A
Stannous Chloride	A	A	A	A	A		A	A			B	A	A
Stauffer 7700	U	U	U	U	B		U	U		A	U	B	A
Steam, Below 350°F	U	U	B	A	U		U	U	U	U	U	U	U
Steam, Above 350°F	U	U	U	C	U	U	U	U	U	U	U	U	U
Stearic Acid	B	B	B	B	B	B	B	B	A		B		A
Stoddard Solvent	U	U	U	U	A		C	U	A		U	C	B
Styrene	U	U	U	U	U		U	U			U	C	B
Styrene (Monomer)	U	U	U	U	U		U	U			U	C	B

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Sucrose Solutions	A	A	A	A	A		B	B	U	U	A	A	A
Sulfite Liquors	B	B	B	B	B	B	B	B		U	U	B	A
Sulfur	U	U	A	A	U	C	A	A		U	A	A	A
Sulfur Chloride	U	U	U	U	U		U	U		U	C	A	A
Sulfur Dioxide, Wet	B	B	A	A	U		B	C		U	B	B	A
Sulfur Dioxide, Dry	C	C	B	A	U		U	U		U	B	B	A
Sulfur Dioxide, Liquidified under pressure	U	U	B	A	U		U	U		U	B	B	U
Sulfur Hexafluoride	U	U	A	A	B	A	A	B		C	B	B	C
Sulfur Liquors	B	B	B	B	B		B	B		U	U	B	A
Sulfur Molten	U	U	C	C	U		C	U	U	U	C	C	A
Sulfur Trioxide	B	U	B	B	U		U	U	U	U	B	B	A
Sulfuric Acid Dilute	C	C	C	B	U	B	B	C	C	U	U	C	A
Sulfuric Acid Concentrated	U	U	U	B	U	U	U	B	U	U	U	U	A
Sulfuric Acid 20% Oleum	U	U	U	U	U	U	U	C	U	U	U	U	A
Sulfuric Acid 3 Molar	C	C	C	B	U	U	C	C	U	U	U	C	A
Sulfurous Acid	B	B	B	B	B		B	A	A	U	U	U	A
Sunoco SAE 10	U	U	U	U	A		B	B	A	A	U	A	A
Sunoco #3661	U	U	U	U	A		B	B	A	A	U	A	A
Sunoco All purpose grease	U	U	U	U	A		B	B	A	A	U	A	A
Sunsafe (Fire resistant Hydraulic Fluid)	U	U	U	U	A		B	B	U	A	U	A	A
Super Shell Gas	U	U	U	U	A		B	U	B	A	U	B	A
Swan Finch EP Lube	U	U	U	U	A		U	U	A	A	U	A	A
Swan Finch Hypoid-90	U	U	U	U	A		B	U	A	A	U	A	A
T													
TT-N-95a	U	U	U	U	A	A	C	C	C	A	U	A	A
TT-N-97B	U	U	U	U	B	B	C	C	C	A	U	B	A
TT-I-735b	A	A	A	A	A		B	B	B	A	A	A	A
TT-S-735 Type, I	U	U	U	U	A		B	C	B	A	U	A	A
TT-S-735 Type, II	U	U	U	U	A		C	C	C	A	U	A	A
TT-S-735 Type, III	U	U	U	U	A		C	C	C	A	U	A	A
TT-S-735 Type, IV	U	U	U	U	A		A	A	A	A	C	A	A
TT-S-735 Type, V	U	U	U	U	A		B	B	B	A	C	A	A
TT-S-735 Type, VI	U	U	U	U	A		B	B	B	A	C	A	A
TT-T-656b	U	U	A	A	U	U	U	U	U	U	U	C	U
Tannic Acid	A	B	A	A	A		B	B	A	A	B	A	A
Tannic Acid, 10%	A	B	A	A	A		A	A			B	A	A
Tar Bituminous	U	U	U	U	B	B	C	U			B	B	A
Tartaric Acid	A	B	B	B	A	B	B	A	A	U	A	A	A
Terpineol	U	U	C	C	B		U	U	B	A	B	A	A
Tertiary Butyl Alcohol	B	B	B	B	B		B	B	U	U	B	A	A
Tertiary Butyl Catechol	U	C	B	B	U		B	B	U	U	U	A	A
Tertiary Butyl Mercaptan	U	U	U	U	U		U	U	U	U	U	U	A
Tetrabromomethane	U	U	U	U	U		U	U			U	B	A
Tetrabutyl Titanate	B	B	B	A	B		B	A				A	A
Tetrachloroethylene	U	U	U	U	U		U	U	U	U		B	A
Tetraethyl Lead	U	U	U	U	B		C	U				U	A
Tetraethyl Lead "Blend"	U	U	U	U	B		U	U				B	A
Tetrahydrofuran	U	U	U	U	U		U	U		U	U	A	A
Tetralin	U	U	U	U	U		U	U		U	U	A	A
Texaco 3450 Gear Oil	U	U	U	U	A		U	U	A	A	U	A	A
Texaco Capella A and AA	U	U	U	U	A		B	U	B	U	U	A	A
Texaco Meropa #3	U	U	U	U	A		B	U	B	U	U	A	A
Texaco Regal B	U	U	U	U	A		U	U	A	A	U	A	A
Texaco Uni-Temp, Grease	U	U	U	U	A		B	U	A	A	B	A	A

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Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydriin	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Texamatic 1581 Fluid	U	U	U	U	A		B	U	B		U	B	A
Texamatic 3401 Fluid	U	U	U	U	A		B	U	B		U	B	A
Texamatic 3525 Fluid	U	U	U	U	A		B	U	B		U	B	A
Texamatic 3528 Fluid	U	U	U	U	A		B	U	B		U	B	A
Texas 1500 Oil	U	U	U	U	A		B	U	B	A	U	B	A
Thiokol TP-90B	U	U	A	A	U		B	U	B		U	B	A
Thiokol TP-95	U	U	A	A	U		B	U	B		U	B	A
Thionyl Chloride	U	U	U	U	U		U		U		U	U	A
Tidewater Oil-Beedol	U	U	U	U	A		B	U	A	A	B	A	A
Tidewater-Oil-Multigear 140, EP Lube	U	U	U	U	A		B	U	A	A	U	A	A
Titanium Tetrachloride	U	U	U	U	C		U		U	C	U	B	A
Toluene	U	U	U	U	U	U	U	U	U	U	U	U	A
Toluene Diisocyanide	U	U	B	B	U	U	U	U	U	U	U	U	A
Transformer Oil	U	U	U	U	A		B	U	A	A	U	A	A
Transmission Fluid Type A	U	U	U	U	A	A	B	B	A	A	B	A	A
Triacetin	U	C	A	A	B		U	U	U	B	B	U	A
Triaryl Phosphate	U	U	A	A	U		U	U	U	U	C	B	A
Tributoxyethyl Phosphate	B	B	A	A	U		U	U	U	A	U	B	A
Tributyl Mercaptan	U	U	U	U	U		U	U	U	U	U	C	A
Tributyl Phosphate	B	U	B	A	U		U	U	U	A	U	U	U
Trichloroacetic Acid	C	U	B	B	U		U	U	U	U	U	U	C
Trichloroethane	U	U	U	U	U		U	U	U	U	U	B	A
Trichloroethylene	U	U	U	U	C	U	U	U	U	U	U	B	A
Tricresyl Phosphate	U	U	A	A	U	U	U	U	U	U	C	B	B
Triethanol Amine	B	B	B	B	C		A	A	U	U	U	U	U
Triethyl Aluminum													B
Triethyl Borane													A
Trifluoroethane	U	U	U	U	U		U	U	U	U	U	B	A
Trinitrotoluene	U	U	U	U	U		B	B	U	B	B	B	B
Trioctyl Phosphate	U	U	A	A	U		U	U	U	B	B	B	B
Tripoly Phosphate	U	U	A	A	U		B	U	C	U	C	B	B
Tung Oil (China Wood Oil)	U	U	C	U	A		U	C	A	U	U	U	A
Turbine Oil	U	U	U	U	B	A	U	U	A	A	U	B	A
Turbine Oil #15 (MIL-L-7808A)	U	U	U	U	B		U	U	A	A	U	B	A
Turbo Oil #35	U	U	U	U	A		B	U	A	A	U	A	A
Turpentine	U	U	U	U	A	A	U	U	U	B	U	B	A
Type I Fuel (MIL-S-3136)	U	U	U	U	A	A	B	U	B	B	U	B	A
Type II Fuel (MIL-S-3136)	U	U	U	U	B	A	U	U	B	B	U	B	A
Type III Fuel (MIL-S-3136)	U	U	U	U	A	A	U	U	B	B	U	B	A
U													
Ucon Hydrolube J-4		A	A	A	A		B		U		A	B	A
Ucon Lubricant LB-65	B	B	A	A	A		A	B	U		A	A	A
Ucon Lubricant LB-135	A	A	A	A	A		A	A			A	A	A
Ucon Lubricant LB-285	A	A	A	A	A		A	A			A	A	A
Ucon Lubricant LB-300	A	A	A	A	A		A	A			A	A	A
Ucon Lubricant LB-625	A	A	A	A	A		A	A			A	A	A
Ucon Lubricant LB-1145	A	A	A	A	A		A	A			A	A	A
Ucon Lubricant 50-HB55	A	A	A	A	A		A	A			A	A	A
Ucon Lubricant 50-HB100	A	A	A	A	A		A	A			A	A	A
Ucon Lubricant 50-HB260	A	A	A	A	A		A	A		A	A	A	A
Ucon Lubricant 50-HB660	A	A	A	A	A		A	A		A	A	A	A
Ucon Lubricant 50-HB5100	A	A	A	A	A		A	A		A	A	A	A
Ucon Oil LB-385	A	A	A	A	A		A	A		A	A	A	A
Ucon Oil LB-400X	A	A	A	A	A		A	A		A	A	A	A

Chemical Compatibility Chart

Legend

- A – Recommended
- B – Minor to Moderate Effect
- C – Moderate to Severe
- U – Not Recommended

Chemical	Natural Rubber	SBR, GRS	Butyl	EPR, EPT, EPDM	Buna-N, Nitrile, NBR	Hydri	Neoprene	Hypalon	Urethane, Polyurethane	Polysulfide	Silicone	Fluorosilicone	Fluoro Elastomer
Ucon Oil 50-HB-280X (Polyacrylon Glycol De	A	A	A	A	A		A	A	A	A	A	A	A
Univis 40 (Hydr. Fluid)	U	U	U	U	A		B	B	A	A	U	A	A
Univolt #35 (Mineral Oil)	U	U	U	U	A		B	U	A	A	U	A	A
Unsymmetrical Dimethyl Hydrazine (UDMH)	A	B	A	A	B		B	A		U	U	U	U
V													
VV-B-680	B	A	B	A	B	B	B	B	C	C	U	B	A
VV-G-632	U	U	U	U	A	A	A	A	A	A	C	A	A
VV-G-671c	U	U	U	U	A	A	A	A	A	A	C	A	A
VV-H-910	B	A	B	A	C	B	B	B	U	U	U	B	A
VV-I-530a	U	U	U	U	A	A	B	B	B	A	U	A	A
VV-K-211d	U	U	U	U	A	A	C	C	C	A	U	A	A
VV-K-220a	U	U	U	U	A	A	B	C	B	A	U	A	A
VV-L-751b	U	U	U	U	B	B	B	C	C	C	U	A	A
VV-L-800	U	U	U	U	A	A	B	B	B	A	C	A	A
VV-L-800	U	U	U	U	A	A	B	B	B	A	C	A	A
VV-L-820b	U	U	U	U	A	A	B	B	B	A	C	A	A
VV-L-825a, Type I	U	U	U	U	A	A	A	A	A	A	C	A	A
VV-L-825a, Type II	U	U	U	U	A	A	A	A	A	A	C	A	A
VV-L-825a, Type III	U	U	U	U	B	B	B	C	C	C	U	A	A
VV-O-526	U	U	U	U	A	A	A	A	A	A	C	A	A
VV-P-216a	U	U	U	U	A	A	B	B	B	C	C	A	A
VV-P-236	U	U	U	U	B	B	B	C	C	C	U	A	A
Varnish	U	U	U	U	B	B	U	U	C	C	A	B	A
Vegetable Oil	U	U	C	C	A	A	C	B	A	U	B	A	A
Versilube	A	A	A	A	A	A	A	A	A	B	C	A	A
Vinegar	B	B	A	A	B		B	A	U			C	A
Vinyl Chloride				B			U	U					A
W													
Wagner 21B Brake Fluid		A	B	A	C		B	B		U	C	U	U
Water	A	A	A	A	A	B	A	A	A	U	A	A	A
Wemco C	U	U	U	U	A		B	U	U	A	U	A	A
Whiskey and Wines	A	A	A	A	A		A	A	U	U	A	A	A
White Pine Oil	U	U	U	U	B		U	U	U	B	U	A	A
White Oil	U	U	U	U	A		B	U	A	A	U	A	A
Wolmar Salt	A	A	A	A	A		B	A	A	A	A	A	A
Wood Alcohol	A	A	A	A	A		A	A	U	B	A	A	U
X													
Xylene	U	U	U	U	U	U	U	U	U	B	U	A	A
Xylidenes-Mixed-Aromatic-Amines	U	U	U	U	C		U	U	U	U	U	U	U
Xylo	U	U	U	U	U		U	U	U	B	U	A	A
Xenon	A	A	A	A	A		A	A	A	A	A	A	A
Z													
Zeolites	A	A	A	A	A		A	A	A	A	A	A	A
Zinc Aceetate	A	U	A	A	B		B	U	U	U	U	U	U
Zinc Chloride	A	A	A	A	A		A	A	A	C	A	A	A
Zinc Salts	A	A	A	A	A		A	A	A	U	A	A	A
Zinc Sulfate	B	B	A	A	A		A	A	A	U	A	A	A