

## Fluid Compatibility Chart\*

**Compatibility Rating:**

- 1 = Satisfactory
- 2 = Fair (Usually OK for Static Seal)
- 3 = Doubtful (Sometimes OK for Static Seal)
- 4 = Unsatisfactory
- X = Insufficient Data

**Fluid Name**

<b>Material</b>	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
1-Butene 2-Ethyl	1	4	1	4	4	1	4	4	4	4	4	4	3	4
1-Chloro 1-Nitro Ethane	4	4	4	4	4	4	4	4	4	4	4	4	4	4
AN-O-3 Grade M	1	4	1	2	4	1	1	4	4	4	4	2	1	2
AN-O-6	1	4	1	2	4	1	1	4	4	4	4	2	1	4
AN-VV-0-366b Hydr. Fluid	1	4	1	2	4	2	2	4	4	4	4	2	1	4
ASTM Oil, No.1	1	4	1	1	4	1	1	4	4	4	4	2	1	1
ASTM Oil, No.2	1	4	1	2	4	1	2	4	4	4	4	4	1	4
ASTM Oil, No.3	1	4	1	4	4	1	2	4	4	4	4	4	1	3
ASTM Oil, No.4	2	4	1	4	4	2	4	4	4	4	4	4	2	4
ASTM Reference Fuel A	1	4	1	2	4	2	1	4	4	4	4	2	1	4
ASTM Reference Fuel B	1	4	1	4	4	4	2	4	4	4	4	4	1	4
ASTM Reference Fuel C	2	4	1	4	4	4	4	4	4	4	4	4	2	4
ATL-857	2	4	1	4	4	2	4	4	4	4	4	4	2	4
Acetaldehyde	3	2	4	3	3	4	4	2	2	2	2	3	4	2
Acetamide	1	1	3	1	4	4	4	2	4	4	4	2	1	2
Acetic Acid, 5%	2	1	1	1	2	4	4	1	2	2	2	1	2	1
Acetic Acid, Glacial	2	2	4	4	2	4	4	2	2	2	2	3	4	2
Acetic Acid, Hot, High Pressure	4	3	4	4	4	4	4	4	4	4	4	3	4	3
Acetic Anhydride	4	2	4	2	2	4	4	2	2	2	2	2	4	2
Acetone	4	1	4	4	4	4	4	1	4	4	4	3	4	4
Acetophenone	4	1	4	4	4	4	4	2	4	4	4	4	4	4
Acetyl Acetone	4	1	4	4	4	4	4	1	4	4	4	4	4	4
Acetyl Chloride	4	4	1	4	4	4	4	4	4	4	4	4	1	3
Acetylene	1	1	1	2	2	4	4	1	2	2	2	2	X	2
Acetylene Tetrabromide	4	1	1	2	4	X	4	1	X	X	X	X	X	X
Acrylonitrile	4	4	3	4	3	4	4	4	X	3	3	3	4	4
Aero Lubriplate	1	4	1	1	2	1	1	4	4	4	4	1	1	2
Aero Shell 17 Grease	1	4	1	2	4	1	1	4	4	4	4	1	1	2
Aero Shell 750	2	4	1	4	4	2	4	4	4	4	4	4	2	4
Aero Shell 7A Grease	2	4	1	2	4	1	1	4	4	4	4	1	1	2
Aero Shell IAC	1	4	1	2	4	1	1	4	4	4	4	1	1	2
Aerosafe 2300	4	1	4	4	4	4	4	2	4	4	4	4	3	3
Aerosafe 2300W	4	1	4	4	4	4	4	2	4	4	4	4	3	3
Aerozene 50 (50% Hydrazine 50% UDMH)	3	1	4	4	4	X	4	1	4	4	4	4	4	4
Air Below 200° F	2	1	1	1	2	1	2	1	2	2	2	1	1	1
Air, 200 - 300° F	3	2	1	2	4	2	3	2	4	4	4	2	1	1
Air, 300 - 400° F	4	4	1	4	4	4	4	4	4	4	4	4	2	1
Air, 400 - 500° F	4	4	3	4	4	4	4	4	4	4	4	4	4	2
Alkazene	4	4	2	4	4	4	4	4	4	4	4	4	2	4
Aluminum Acetate	2	1	4	2	2	4	4	1	4	1	1	4	4	4
Aluminum Bromide	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Aluminum Chloride	1	1	1	1	1	1	3	1	1	1	1	1	1	2
Aluminum Fluoride	1	1	1	1	1	X	3	1	1	1	2	1	1	2
Aluminum Nitrate	1	1	1	1	1	X	3	1	1	1	1	1	X	2
Aluminum Salts	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Aluminum Sulphate	1	1	1	1	2	4	4	1	1	1	1	1	1	1
Alums-NH3 -Cr -K	1	1	4	1	1	4	X	1	1	1	1	1	4	1
Ambrex 33 (Mobil)	1	4	1	2	4	1	2	4	4	4	4	3	3	4
Ambrex 830 (Mobil)	1	3	1	2	4	1	1	3	4	4	4	2	1	2
Amines-Mixed	4	2	4	2	2	4	4	2	2	2	2	4	4	2
Ammonia and Lithium Metal in Solution	2	2	4	X	4	4	4	2	4	4	4	4	4	4
Ammonia, Gas, Cold	1	1	4	1	1	4	X	1	1	1	1	1	4	1
Ammonia, Gas, Hot	4	2	4	2	4	4	X	2	4	4	4	2	4	X
Ammonia, Liquid (Anhydrous)	2	1	4	1	4	4	4	1	4	4	4	2	4	2
Ammonium Carbonate	4	1	1	1	1	4	4	1	X	X	1	1	X	X
Ammonium Chloride, 2N	1	1	1	1	1	X	1	1	X	X	1	1	X	X
Ammonium Hydroxide, 3 Molar	1	1	3	1	2	4	4	1	2	2	2	1	1	1
Ammonium Hydroxide, Concentrated	4	1	4	1	3	4	4	1	3	3	3	1	1	1
Ammonium Nitrate, 2N	1	1	X	1	1	2	X	1	X	X	3	1	X	X
Ammonium Nitrite	1	1	X	1	1	X	X	1	1	1	1	1	X	2
Ammonium Persulfate 10%	4	1	X	1	4	4	4	1	X	1	1	X	X	X
Ammonium Persulfate Solution	4	1	X	X	4	4	4	1	X	1	1	X	X	X

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Fluid Name	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
Ammonium Phosphate	1	1	4	1	1	X	X	1	X	1	1	1	X	1
Ammonium Phosphate, Dibasic	1	1	X	1	1	X	X	1	X	1	1	1	X	1
Ammonium Phosphate, Mono-Basic	1	1	X	1	1	X	X	1	X	1	1	1	X	1
Ammonium Phosphate, Tribasic	1	1	X	1	1	X	X	1	X	1	1	1	X	1
Ammonium Salts	1	1	3	1	1	3	X	1	X	1	1	1	3	1
Ammonium Sulfate	1	1	4	1	2	4	X	1	1	1	1	1	X	X
Ammonium Sulfide	1	1	4	1	2	4	X	1	1	1	1	1	X	X
Amyl Acetate	4	3	4	4	4	4	4	3	4	4	4	4	4	4
Amyl Alcohol	2	1	2	2	2	4	4	1	2	2	2	2	1	4
Amyl Borate	1	4	1	1	4	X	X	4	4	4	4	1	X	X
Amyl Chloride	X	4	1	4	4	4	X	4	4	4	4	4	2	4
Amyl Chloronaphthalene	4	4	1	4	4	4	X	4	4	4	4	4	2	4
Amyl Naphthalene	4	4	1	4	4	2	4	4	4	4	4	4	1	4
An-O-366	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Anderol, L- 826 (di-ester)	2	4	1	4	4	2	4	4	4	4	4	4	2	4
Anderol, L- 829 (di-ester)	2	4	1	4	4	2	4	4	4	4	4	4	2	4
Anderol, L-774 (di-ester)	2	4	1	4	4	2	4	4	4	4	4	4	2	4
Ang-25 (Di-ester Base) (TG749)	2	4	1	4	4	2	4	4	4	4	4	4	2	2
Ang-25 (Glycerol Ester)	2	1	1	2	2	4	4	2	2	2	2	2	2	2
Anhydrous Ammonia	2	1	4	1	4	4	4	1	4	4	4	4	4	2
Anhydrous Hydrazine	4	2	4	2	1	4	4	2	4	4	4	2	4	X
Anhydrous Hydrogen Fluoride	4	1	4	X	4	4	X	1	4	4	4	X	4	X
Aniline	4	2	3	4	4	4	4	2	4	4	4	4	3	4
Aniline Dyes	4	2	2	2	2	4	4	2	2	2	2	2	2	3
Aniline Hydrochloride	2	2	2	4	3	4	4	2	4	2	2	4	2	3
Aniline Oil	4	2	3	4	4	4	4	2	4	4	4	4	3	4
Animal Oil (Lard Oil)	1	2	1	2	4	1	2	2	4	4	4	2	1	2
Ansul Ether 161 or 181	3	3	4	4	4	4	2	3	4	4	4	4	3	4
Argon	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Aroclor, 1248	3	2	1	4	4	4	4	2	4	4	4	4	2	2
Aroclor, 1254	4	2	1	4	4	4	4	4	4	4	4	4	2	3
Aroclor, 1260	1	X	1	1	1	4	4	1	1	1	1	1	1	1
Aromatic Fuel -50%	2	4	1	4	4	4	4	4	4	4	4	4	2	4
Arsenic Acid	1	1	1	1	1	3	3	1	1	2	1	1	1	1
Askarel	2	4	1	4	4	4	4	4	4	4	4	4	2	4
Asphalt	2	4	1	2	4	2	2	4	4	4	4	2	2	4
Atlantic Dominion F	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Atlantic Utro Gear-EP Lube.	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Aure 903R (Mobil)	1	4	1	2	4	1	1	4	4	4	2	4	4	4
Automatic Transmission Fluid	1	4	1	2	4	1	2	4	4	4	3	X	4	4
Automotive Brake Fluid	3	1	4	2	1	4	4	2	X	X	2	4	3	3
Bardol B	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Barium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Hydroxide	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Barium Salts	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Sulfide	1	1	1	1	2	4	1	1	2	1	1	1	1	1
Bayol 35	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Bayol D	1	4	1	2	4	1	4	4	4	4	4	4	1	4
Beer	1	1	1	1	1	4	2	1	1	1	1	1	1	1
Beet Sugar Liquors	1	1	1	2	1	4	4	1	1	1	1	1	1	1
Benzaldehyde	4	1	4	4	4	4	4	1	4	4	4	1	4	2
Benzene	4	4	1	4	4	4	4	4	4	4	4	4	3	4
Benzenesulfonic Acid 10%	4	4	1	2	4	4	4	4	4	4	4	1	2	4
Benzochloride	4	1	1	4	4	4	X	2	4	4	4	4	1	X
Benzoic Acid	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Benzophenone	X	2	1	X	4	4	4	2	4	4	X	X	1	X
Benzyl Alcohol	4	2	1	2	4	4	4	2	4	4	4	2	2	2
Benzyl Benzoate	4	4	1	4	4	4	4	2	4	4	4	4	1	4
Benzyl Chloride	4	4	1	4	4	4	4	4	4	4	4	4	1	4
Black Point 77	1	1	1	3	3	3	3	1	3	3	3	3	3	3
Blast Furnace Gas	4	4	1	4	4	4	4	4	4	4	4	4	2	1
Bleach Liquor	3	1	1	2	3	4	4	1	2	2	3	1	2	2

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Borax	2	1	1	4	2	2	1	1	2	2	2	4	2	2
Bordeaux Mixture	2	1	1	2	2	4	4	1	2	2	2	1	2	2
Boric Acid	1	1	1	1	1	4	1	1	1	1	1	1	1	1
Boron Fluids (HEF)	2	4	1	4	4	4	4	4	4	4	4	4	2	4
Brake Fluid DOT3 (Glycol Type)	3	1	4	2	1	X	4	2	X	X	X	2	4	3
Bray GG-130	2	4	1	4	4	2	4	4	4	4	4	4	2	4
Brayco 719-R (VV-H910)	3	1	4	2	X	4	4	2	2	2	2	2	2	2
Brayco 885 (MIL-L-6085A)	2	4	1	4	4	2	1	4	4	4	4	4	2	4
Brayco 910	2	1	4	2	2	3	3	1	1	1	1	1	4	4
Bret 710	2	1	4	2	2	3	3	1	1	1	1	1	4	4
Brom - 113	3	4	X	4	4	X	X	4	X	X	X	4	X	4
Brom - 114	2	4	2	2	4	X	X	4	4	4	4	2	X	4
Bromine	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Bromine Pentafluoride	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Bromine Trifluoride	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Bromine Water	4	2	1	4	4	4	4	4	4	4	4	1	2	4
Bromobenzene	4	4	1	4	4	4	4	4	4	4	4	4	1	4
Bromochloro Trifluoroethane	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Bunker Oil	1	4	1	4	4	1	2	4	4	4	4	4	1	2
Butadiene (Monomer)	4	4	1	4	4	4	4	4	4	4	4	4	1	4
Butane	1	4	1	1	3	1	1	4	4	4	4	2	3	4
Butane, 2, 2-Dimethyl	1	4	1	2	3	1	4	4	4	4	4	2	3	4
Butane, 2, 3-Dimethyl	1	4	1	2	3	1	4	4	4	4	4	2	3	4
Butanol (Butyl Alcohol)	1	2	1	1	1	4	4	2	1	1	1	1	1	2
Butter-Animal Fat	1	1	1	2	4	1	1	2	4	4	4	2	1	2
Butyl Acetyl Ricinoleate	2	1	1	2	4	X	4	1	4	4	4	2	2	X
Butyl Acrylate	4	4	4	4	4	4	X	4	4	4	4	4	4	X
Butyl Alcohol	1	2	1	1	1	4	4	2	1	1	1	1	1	2
Butyl Amine or N-Butyl Amine	3	3	4	4	4	4	4	4	4	4	4	4	4	4
Butyl Carbitol	4	1	3	3	4	4	X	1	4	4	4	2	4	4
Butyl Cellosolve	3	2	4	3	4	4	4	2	4	4	4	4	4	X
Butyl Cellosolve Adipate	4	2	2	4	4	4	4	2	4	4	4	4	2	2
Butyl Oleate	4	2	1	4	4	X	X	2	4	X	4	4	2	X
Butyl Stearate	2	4	1	4	4	X	X	4	4	4	4	4	2	X
Butylene	2	4	1	3	4	4	4	4	4	4	4	4	2	4
Butyraldehyde	4	2	4	4	4	4	4	2	4	4	4	4	4	4
Butyric Acid	4	2	2	4	4	4	X	2	4	X	X	4	X	X
Calcine Liquors	1	1	1	X	X	4	4	1	X	X	X	1	1	X
Calcium Acetate	2	1	4	2	4	4	4	1	4	1	1	2	4	4
Calcium Bisulfite	2	1	2	2	2	3	3	1	4	4	4	1	3	3
Calcium Carbonate	1	1	1	1	1	3	3	1	1	1	1	1	1	1
Calcium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Cyanide	1	1	X	1	1	X	X	1	1	1	1	1	X	1
Calcium Hydroxide	1	1	1	1	1	4	2	1	1	1	1	1	1	1
Calcium Hypochlorite	2	1	1	2	2	4	4	1	2	2	2	2	1	2
Calcium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Calcium Phosphate	1	1	1	2	1	1	1	1	1	1	1	1	X	1
Calcium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Calcium Silicate	1	1	1	1	1	X	X	1	1	1	1	1	X	X
Calcium Sulfide	1	1	1	1	2	4	1	1	2	2	2	1	1	1
Calcium Sulfite	1	1	1	1	2	4	1	1	2	2	2	1	1	1
Calcium Thiosulfate	2	1	1	1	2	4	1	1	2	2	2	1	1	1
Caliche Liquors	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Cane Sugar Liquors	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Caproic Aldehyde	X	2	4	X	X	4	4	2	2	2	2	X	4	2
Carbamate	3	2	1	2	4	4	4	2	4	4	4	2	1	X
Carbitol	2													



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Dow Corning -704	2	1	1	1	1	1	1	1	1	1	1	1	2	3
Dow Corning -705	2	1	1	1	1	1	1	1	1	1	1	1	2	3
Dow Corning -710	2	1	1	1	1	1	1	1	1	1	1	1	2	3
Dow Guard	1	1	1	1	1	3	3	1	1	1	1	1	1	1
Dowtherm, 209	3	1	4	2	X	X	X	2	X	X	X	X	3	3
Dowtherm, A	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Dowtherm, E	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Drinking Water	1	1	1	2	1	4	4	1	1	1	1	1	1	1
Dry Cleaning Fluids	3	4	1	4	4	4	4	4	4	4	4	4	2	4
Elco 28-EP lubricant	1	4	1	3	4	1	1	4	4	4	4	4	1	2
Epichlorohydrin	4	2	4	4	4	4	4	2	4	4	4	4	4	4
Epoxy Resins	X	1	4	1	X	X	X	1	X	X	X	X	X	X
Esam-6 Fluid	X	1	4	2	1	X	X	2	X	X	X	2	4	X
Esso Fuel 208	1	4	1	2	4	1	4	4	4	4	4	3	1	4
Esso Golden Gasoline	2	4	1	4	4	4	4	4	4	4	4	4	1	4
Esso Motor Oil	1	4	1	3	4	1	4	4	4	4	4	4	1	4
Esso Transmission fluid (Type A)	1	4	1	2	4	1	3	4	4	4	4	4	1	4
Esso WS2812 (MIL-L-7808A)	1	4	1	4	4	2	4	4	4	4	4	4	1	4
Esso XP90-EP lubricant	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Esstic 42, 43	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Ethane	1	4	1	2	4	1	3	4	4	4	4	2	3	4
Ethanol	3	1	3	1	1	4	4	1	1	1	1	1	1	2
Ethanol Amine	2	2	4	2	2	4	3	2	2	2	3	4	4	2
Ethers	4	3	3	4	4	3	2	4	4	4	4	4	3	4
Ethyl Acetate-Organic ester	4	2	4	4	4	4	4	2	4	4	4	4	4	2
Ethyl Acetoacetate	4	2	4	4	3	4	4	2	3	3	3	4	4	2
Ethyl Acrylate	4	2	4	4	4	4	4	2	4	4	4	4	4	2
Ethyl Alcohol	3	1	3	1	1	4	4	1	1	1	1	1	1	2
Ethyl Benzene	4	4	1	4	4	4	4	4	4	4	4	4	1	4
Ethyl Benzoate	4	4	1	4	4	4	4	4	4	4	4	4	1	4
Ethyl Bromide	2	4	1	4	X	X	X	4	4	4	4	4	1	X
Ethyl Cellosolve	4	2	4	4	4	4	4	2	4	4	4	4	4	4
Ethyl Cellulose	2	2	4	2	2	4	2	2	2	2	2	2	4	2
Ethyl Chloride	1	3	1	4	4	3	2	4	2	1	4	4	1	4
Ethyl Chlorocarbonate	4	2	1	4	4	4	4	4	4	4	4	4	2	4
Ethyl Chloroformate	4	2	4	4	4	4	4	3	4	4	4	4	4	4
Ethyl Ether	3	3	4	4	4	4	2	3	4	4	4	4	3	4
Ethyl Formate	4	2	1	2	4	X	X	2	4	4	4	2	1	X
Ethyl Hexanol	1	1	1	1	1	4	4	1	1	1	1	1	1	2
Ethyl Mercaptan	4	X	2	3	4	X	X	4	4	4	3	X	3	3
Ethyl Oxalate	4	1	2	4	4	4	X	4	4	1	4	4	2	4
Ethyl Pentachlorobenzene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Ethyl Silicate	1	1	1	1	2	X	X	1	2	2	2	2	1	X
Ethylacrylic Acid	4	2	X	2	4	4	4	2	4	4	4	4	4	4
Ethylcyclopentane	1	4	1	3	4	2	1	4	4	4	4	4	1	4
Ethylene Chloride	4	4	2	4	4	4	4	4	4	4	4	4	2	4
Ethylene Chlorohydrin	4	2	1	2	2	4	4	2	2	2	2	2	2	3
Ethylene Diamine	1	1	4	1	2	4	4	1	2	1	2	2	4	1
Ethylene Dibromide	4	3	1	4	4	4	4	3	4	4	4	4	3	4
Ethylene Dichloride	4	3	1	4	4	4	4	3	4	4	4	4	3	4
Ethylene Glycol	1	1	1	1	1	4	2	1	1	1	1	1	1	1
Ethylene Oxide	4	3	4	4	4	4	4	3	4	4	4	4	4	4
Ethylene Oxide, (12%) and Freon 12 (80%)	3	2	4	4	4	4	4	2	4	4	4	4	4	4
Ethylene Trichloride	4	3	1	4	4	4	4	3	4	4	4	4	3	4
Ethylmorpholene Stannous Octotatate (50/50 mixture)	4	2	4	X	4	X	X	2	X	X	X	X	X	X
F-60 Fluid (Dow Corning)	1	1	1	1	1	1	1	1	1	1	1	1	1	4
F-61 Fluid (Dow Corning)	1	1	1	1	1	1	1	1	1	1	1	1	1	4
FC-43 Heptacosofluorotri-butylamine	1	1	1	1	4	X	X	1	X	X	X	1	1	1
FC75 & FC77 (Fluorocarbon)	1	1	2	1	4	X	X	1	X	X	X	1	2	1
Fatty Acids	2	3	1	2	4	X	X	3	4	4	4	2	X	3
Ferric Chloride	1	1	1	2	1	1	1	1	1	1	1	2	1	2
Ferric Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	2

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Fluid Name	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
Fisher Reagent	X	2	X	X	X	X	X	X	X	X	X	X	X	X
Fluorolube	1	1	2	1	4	X	X	1	X	X	X	1	2	1
Formaldehyde	3	2	4	3	3	4	4	2	2	2	2	2	4	2
Freon, 11	4	4	2	4	4	4	X	4	X	X	4	1	2	4
Freon, 112	2	4	1	2	4	X	X	4	X	X	4	2	X	4
Freon, 113	1	4	2	1	2	X	1	4	X	X	4	1	X	4
Freon, 114	1	1	1	1	1	X	X	1	X	X	1	X	X	4
Freon, 114B2	2	4	2	2	4	X	X	4	X	X	4	1	X	4
Freon, 115, 116	1	1	2	1	1	X	X	1	X	X	1	X	X	X
Freon, 12	2	3	3	1	1	X	1	3	4	4	2	1	3	4
Freon, 12 and ASTM Oil #2 (50/50 Mixture)	2	4	1	3	4	X	X	4	4	4	4	2	2	4
Freon, 12 and Suniso 4G (50/50 Mixture)	2	4	1	3	4	X	X	4	4	4	4	2	2	4
Freon, 13	1	1	1	1	1	X	X	1	X	1	1	1	4	4
Freon, 13B1	1	1	1	1	1	X	X	1	X	X	1	1	2	4
Freon, 14	1	1	1	1	1	X	1	1	X	X	1	1	X	4
Freon, 21	4	4	4	3	4	X	X	4	4	4	4	4	X	4
Freon, 22	4	3	4	1	1	2	4	3	X	X	1	1	4	4
Freon, 22 and ASTM Oil #2 (50/50 Mixture)	4	4	2	2	4	2	X	4	X	X	4	X	2	4
Freon, 31	4	1	4	1	2	X	X	1	X	X	2	2	X	X
Freon, 32	1	1	4	1	1	X	X	1	X	X	1	1	X	X
Freon, 502	2	1	2	1	1	X	X	1	X	X	1	X	X	X
Freon, BF	2	4	1	2	4	X	X	4	X	X	4	2	X	4
Freon, C318	1	1	2	1	1	X	X	1	X	X	1	1	X	X
Freon, K-142b	1	1	4	1	1	X	X	1	X	X	2	1	X	X
Freon, K-152a	1	1	4	1	1	X	X	1	X	X	1	4	X	X
Freon, MF	2	4	2	4	4	X	3	4	X	X	4	1	X	4
Freon, PCA	1	4	2	1	2	X	1	4	X	X	4	1	X	4
Freon, TF	1	4	2	1	2	X	1	4	X	X	4	1	X	4
Fuel Oil, #6	2	4	1	4	4	1	2	4	4	4	4	4	1	1
Fuel Oil, 1, and 2	1	4	1	2	4	1	2	4	4	4	4	4	3	1
Fuel Oil, Acidic	1	4	1	2	4	1	2	4	4	4	4	4	1	1
Fumaric Acid	1	2	1	2	2	4	X	4	2	1	3	2	1	2
Fuming Sulphuric Acid (20/25% Oleum)	4	4	1	4	4	4	4	4	4	4	4	4	X	4
Furan (Furfuran)	4	3	X	4	4	4	X	4	4	4	4	4	X	X
Furfural	4	2	4	4	4	4	3	2	4	4	4	3	X	4
Furfuraldehyde	4	2	4	4	4	4	X	2	4	4	4	4	X	4
Furfuryl Alcohol	4	2	X	4	4	4	4	2	4	4	4	4	4	4
Furyl Carbinol	4	2	X	4	4	4	4	2	4	4	4	4	4	4
Fyrquel 150 220 300 550	4	1	1	4	4	4	4	1	4	4	4	4	2	1
Gallic Acid	2	2	1	2	2	4	4	2	X	1	1	2	1	X
Gasoline	1	4	1	4	4	4	2	4	4	4	4	4	1	4
Gelatin	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Girling Brake Fluid	3	1	4	2	1	X	X	2	X	X	X	2	4	X
Glacial Acetic Acid	2	2	4	4	2	4	4	2	2	2	2	2	4	2
Glauber's Salt	4	2	1	2	4	4	X	2	4	2	2	2	2	1
Glucose	1	1	1	1	1	X	4	1	1	1	1	1	1	1
Glycerine - Glycerol	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Glycols	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Grease Petroleum Base	1	4	1	3	4	1	1	4	4	4	4	4	1	4
Green Sulphate Liquor	2	1	1	2	2	4	4	1	2	2	2	2	2	X
Gulf Endurance Oils	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Gulf FR Fluids (Emulsion)	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Gulf FR G-Fluids	1	1	1	1	1	4	2	1	1	1	1	1	1	1
Gulf FR P-Fluids	4	2	2	4	4	4	4	2	4	4	4	4	2	1
Gulf Harmony Oils	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Gulf High Temperature Grease	1	4	1	2										

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Fluid Name	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
Halowax Oil	4	4	1	4	4	X	X	4	4	4	4	4	1	4
Hannifin Lube A	1	4	1	1	2	1	1	4	4	4	1	1	1	2
Heavy Water	1	1	X	2	1	4	4	1	1	1	1	1	1	1
Helium	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hexyl Alcohol	1	3	1	2	1	4	4	3	1	1	1	2	2	2
HiLo MS #1	4	1	4	4	4	4	4	2	4	4	4	4	3	3
High Viscosity Lubricant, H2	1	1	1	2	1	4	4	1	2	X	X	X	2	1
High Viscosity Lubricant, U4	1	1	1	2	1	4	4	1	2	X	X	X	2	1
Houghto-Safe 1010 phosphate ester	4	1	1	4	4	4	X	1	4	4	4	4	2	3
Houghto-Safe 1055 phosphate ester	4	1	1	4	4	4	X	1	4	4	4	4	2	3
Houghto-Safe 1120 phosphate ester	4	2	1	4	4	4	4	1	4	4	4	4	2	3
Houghto-Safe 271 (Water & Glycol Base)	1	1	2	2	1	4	4	2	X	X	X	X	2	2
Houghto-Safe 416 & 500 Series	1	1	X	X	X	X	X	X	X	X	X	X	X	X
Houghto-Safe 5040 (Water/Oil emulsion)	1	4	1	2	4	4	4	4	4	4	4	4	2	3
Houghto-Safe 620 Water/Glycol	1	1	2	2	1	4	4	2	X	X	X	X	2	2
Hydraulic Oil, Petroleum Base, Industrial	1	4	1	2	4	1	1	4	4	4	4	2	1	2
Hydrazine	2	1	4	2	2	X	4	1	X	X	1	2	4	2
Hydro-Drive MIH-10 (Petroleum Base)	1	4	1	2	4	1	2	4	4	4	4	4	1	2
Hydro-Drive MIH-50 (Petroleum Base)	1	4	1	2	4	1	2	4	4	4	4	4	1	2
Hydrobromic Acid	4	1	1	4	4	4	4	1	4	1	1	1	3	4
Hydrobromic Acid 40%	4	1	1	2	4	4	4	1	4	1	1	1	3	4
Hydrocarbons, Saturated	1	4	1	2	4	1	2	4	4	4	3	1	4	4
Hydrochloric Acid, 3 Molar to 158°F	2	1	1	2	3	3	4	1	X	X	3	1	3	4
Hydrochloric Acid, Concentrated Room Temp.	2	2	1	X	X	X	X	X	X	X	X	X	X	X
Hydrochloric Acid, Concentrated to 158°F	4	4	4	4	4	4	4	4	X	X	4	X	4	4
Hydrocyanic Acid	2	1	1	2	2	4	X	1	2	1	1	1	2	3
Hydrofluosilicic Acid	2	1	1	2	2	X	X	1	X	1	1	1	4	4
Hydrogen Gas, Cold	1	1	1	1	2	2	1	1	1	1	2	1	3	3
Hydrogen Gas, Hot	1	1	1	1	2	2	1	1	1	2	1	3	3	3
Hydrogen Peroxide	2	1	1	1	2	4	X	1	2	2	2	2	1	1
Hydrogen Peroxide 90%	4	3	1	4	4	4	X	3	4	4	4	3	2	2
Hydrogen Sulfide Dry Cold	1	1	4	1	1	4	X	1	1	1	1	1	3	3
Hydrogen Sulfide Dry Hot	4	1	4	2	4	4	X	1	4	4	4	3	3	3
Hydrogen Sulfide Wet Cold	4	1	4	1	4	4	X	1	4	4	4	2	3	3
Hydrogen Sulfide Wet Hot	4	1	4	2	4	4	X	1	4	4	4	3	3	3
Hydrolube-Water/Ethylene Glycol	1	1	1	2	1	4	4	2	X	X	X	X	2	2
Hydroquinone	3	2	2	4	4	4	X	4	4	2	2	4	2	X
Hydye	2	1	4	2	2	4	X	2	2	2	X	4	4	4
Hyjet IV and IVA	4	1	4	4	4	4	4	2	4	4	4	4	4	4
Hypochlorous Acid	4	2	1	4	4	4	X	2	4	2	2	1	X	X
Industron FF44	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Industron FF48	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Industron FF53	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Industron FF80	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Iodine	2	2	1	4	2	X	X	2	X	4	X	2	1	X
Iodine Pentafluoride	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Iso Octane	1	4	1	2	4	1	2	4	4	4	4	1	1	4
Iso-Butyl N-Butyrate	4	1	1	4	4	4	X	1	4	4	4	4	1	X
Isobutyl Alcohol	2	1	1	1	2	4	4	1	2	1	1	1	2	1
Isododecane	1	4	1	2	4	4	X	4	4	4	4	2	1	4
Isophorone (Ketone)	4	2	4	4	4	4	4	2	4	4	4	4	4	4
Isopropanol	2	1	1	2	2	4	4	1	2	1	1	1	2	1
Isopropyl Acetate	4	2	4	4	4	4	4	2	4	4	4	4	2	4
Isopropyl Alcohol	2	1	1	2	2	4	4	1	2	1	1	1	2	1
Isopropyl Chloride	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Isopropyl Ether	2	4	4	3	4	3	2	4	4	4	4	3	3	4
JP-10	3	4	1	4	4	4	3	4	X	X	4	X	1	4
JP-4 (MIL-T-5624)	1	4	1	4	4	2	2	4	4	4	4	4	2	4
JP-5 (MIL-T-5624)	1	4	1	4	4	2	2	4	4	4	4	4	2	4
JP-6 (MIL-J-25656)	1	4	1	4	4	2	2	4	4	4	4	4	2	4
JP-8 (MIL-T-83133)	1	4	1	3	4	1	1	4	X	X	4	X	2	4
JP-9 (MIL-F-81912)	3	4	1	4	4	4	3	4	X	X	4	X	2	4

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Fluid Name	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
JP-9 -11	4	4	1	4	4	4	4	4	X	X	4	X	2	4
Kel F Liquids	1	1	2	X	1	X	X	1	X	X	X	1	2	1
Kerosene (Similar to RP-1 and JP-1)	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Keystone #87HX-Grease	1	4	1	4	4	1	1	4	4	4	4	4	1	4
Lacquer Solvents	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Lacquers	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Lactams-Amino Acids	4	2	4	2	4	X	X	2	4	4	4	2	4	X
Lactic Acid Cold	1	1	1	1	1	4	X	1	1	1	1	1	1	1
Lactic Acid Hot	4	4	1	4	4	4	X	4	4	4	4	3	2	2
Lactones (Cyclic Esters)	4	2	4	4	4	4	4	2	4	4	4	4	4	2
Lard Animal Fat	1	2	1	2	4	1	1	2	4	4	4	4	1	2
Lead Acetate	2	1	4	2	4	4	4	1	4	1	1	4	4	4
Lead Nitrate	1	1	X	1	1	X	X	1	1	1	1	1	1	2
Lead Sulphamate	2	1	1	1	2	4	X	1	2	2	2	1	1	2
Lehigh X1169	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Lehigh X1170	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Ligroin (Petroleum Ether or Benzine)	1	4	1	2	4	1	2	4	4	4	4	3	1	4
Lindol, Hydraulic Fluid (Phosphate ester type)	4	1	2	4	4	4	4	1	4	4	4	4	3	3
Linoleic Acid	2	4	2	2	4	X	X	4	4	4	4	2	X	2
Linseed Oil	1	3	1	3	4	1	2	3	4	4	4	2	1	1
Liquid Oxygen (LOX)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Liquid Petroleum Gas (LPG)	1	4	1	2	4	3	1	4	4	4	4	4	3	3
Liquimoly	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Lubricating Oils, Di-ester	2	4	1	3	4	2	X	4	4	4	4	X	2	4
Lubricating Oils, SAE 10, 20, 30, 40, 50	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Lubricating Oils, petroleum base	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Lye Solutions	2	1	2	2	2	4	4	1	2	2	1	1	2	2
MCS 312	4	4	1	4	4	4	X	4	4	4	4	X	1	1
MCS 352	4	1	4	4	4	4	4	2	4	4	4	4	3	3
MCS 463	4	1	4	4	4	4	4	2	4	4	4	4	3	3
MIL-A-6091	2	1	1	1	1	4	4	1	1	1	1	1	1	1
MIL-C-4339	1	4	1	4	4	1	1	4	4	4	4	4	1	3
MIL-C-7024	1	4	1	2	4	2	1	4	4	4	4	4	1	4
MIL-C-8188	2	4	2	4	4	3	4	4	4	4	4	4	2	4
MIL-E-9500	1	1	1	1	1	4	4	1	1	1	1	1	1	1
MIL-F-16884	1	4	1	3	4	1	3	4	4	4	4	3	1	4
MIL-F-17111	1	4	1	2	4	1	3	4	4	4	4	2	2	4
MIL-F-25558 (RJ-1)	1	4	1	2	4	1	1	4	4	4	4	2	1	4
MIL-F-25656	1	4	1	4	4	2	2	4	4	4	4	4	2	4
MIL-F-5566	2	1	1	2	2	4	2	1	2	1	1	1	1	1
MIL-F-81912 (JP-9)	3	4	1	4	4	4	3	4	X	X	4	X	2	4
MIL-F-82522 (RJ-4)	2	4	1	4	4	1	1	4	1	1	1	X	1	4
MIL-G-10924	1	4	1	2	4	2	1	4	4	4	4	2	1	4
MIL-G-15793	1	4	1	2	4	1	1	4	4	4	4	2	2	4
MIL-G-21568	1	1	1	1	1	1	1	1	1	1	1	1	1	4
MIL-G-25013	1	1	1	2	1	1	3	1	4	4	2	2	1	4
MIL-G-25537	1	4	1	2	4	2	1	4	4	4	4	2	1	4
MIL-G-25760	2	4	1	2	4	2	2	4	4	4	4	2	2	4
MIL-G-3278	2	4	1	4	4	1	2	4	4	4	4	4	2	4
MIL-G-3545	1	4	1	2	4	1	1	4	4	4	4	2	1	4
MIL-G-4343	2	3	1	2	1	1	3	1	1	1	1	1	1	3
MIL-G-5572	1	4	1	4	4	2	2	4	4	4	4	4	1	4
MIL-G-7118	2	4	1	2	4	3	3	4	4	4	4	2		

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MIL-H-46170 -55°F to +275°F	1	4	1	2	4	2	2	4	4	4	4	2	1	4
MIL-H-46170 -65°F to +275°F	1	4	1	2	4	2	2	4	4	4	4	2	1	4
MIL-H-5606 -65°F to +235°F	1	4	1	2	4	2	2	4	4	4	4	2	1	4
MIL-H-5606 -65°F to +275°F	1	4	1	2	4	2	2	4	4	4	4	2	1	4
MIL-H-6083	1	4	1	1	4	1	1	4	4	4	2	2	1	4
MIL-H-7083	1	1	2	2	4	4	4	1	3	3	2	2	1	1
MIL-H-8446 (MLO-8515)	2	4	1	1	4	3	4	4	4	4	4	X	1	4
MIL-J-5161	2	4	1	4	4	1	2	4	4	4	4	4	1	4
MIL-L-15016	1	4	1	2	4	1	1	4	4	4	4	2	2	4
MIL-L-15017	1	4	1	2	4	1	1	4	4	4	4	2	2	4
MIL-L-17331	1	4	1	X	4	X	X	4	4	4	4	X	X	4
MIL-L-2104	1	4	1	2	4	1	1	4	4	4	4	3	1	4
MIL-L-21260	1	4	1	2	4	1	1	4	4	4	4	2	1	4
MIL-L-23699	2	4	1	3	4	3	3	4	4	4	4	3	2	4
MIL-L-25681	2	1	1	2	2	2	3	1	2	2	2	2	2	4
MIL-L-3150	1	4	1	2	4	2	2	4	4	4	4	2	1	4
MIL-L-6081	1	4	1	2	4	1	1	4	4	4	4	2	1	4
MIL-L-6082	1	4	1	2	4	1	1	4	4	4	4	2	1	3
MIL-L-6085	2	4	1	4	4	2	3	4	4	4	4	4	2	4
MIL-L-6387	2	4	1	4	4	2	1	4	4	4	4	4	2	4
MIL-L-7808	2	4	1	4	4	2	4	4	4	4	4	4	2	4
MIL-L-7870	1	4	1	2	4	1	2	4	4	4	4	4	1	4
MIL-L-9000	1	4	1	2	4	1	3	4	4	4	4	2	2	4
MIL-L-9236	2	4	1	4	4	2	2	4	4	4	4	4	2	4
MIL-O-3503	1	4	1	2	4	2	1	4	4	4	4	2	1	4
MIL-P-27402	2	1	X	2	2	X	X	1	X	X	X	2	X	4
MIL-R-25576 (RP-1)	1	4	1	2	4	1	1	4	4	4	4	2	1	4
MIL-S-3136, Type I Fuel	1	4	1	2	4	1	1	4	4	4	4	2	1	4
MIL-S-3136, Type II Fuel	2	4	1	4	4	3	2	4	4	4	4	4	2	4
MIL-S-3136, Type III Fuel	2	4	1	4	4	3	2	4	4	4	4	4	2	4
MIL-S-3136, Type IV Oil High Swell	1	4	1	4	4	1	1	4	4	4	4	4	1	2
MIL-S-3136, Type IV Oil Low Swell	1	4	1	1	4	1	1	4	4	4	4	1	1	3
MIL-S-3136, Type V Oil Medium Swell	1	4	1	2	4	1	1	4	4	4	4	2	1	2
MIL-S-81087	1	1	1	1	1	1	1	1	1	1	1	1	2	3
MIL-T-5624, JP-4, JP-5	1	4	1	4	4	2	2	4	4	4	4	4	2	4
MIL-T-83133	1	4	1	3	4	1	1	4	X	X	4	X	2	4
MLO-7277 Hydr.	3	4	1	4	4	3	3	4	4	4	4	4	3	4
MLO-7557	3	4	1	4	4	3	3	4	4	4	4	4	3	4
MLO-8200 Hydr.	2	4	1	1	4	X	1	4	4	4	4	4	2	4
MLO-8515	2	4	1	1	4	3	1	4	4	4	4	3	1	4
Magnesium Chloride	1	1	1	1	1	X	1	1	1	1	1	1	1	1
Magnesium Hydroxide	2	1	1	2	2	4	4	1	2	2	2	1	X	X
Magnesium Salts	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Magnesium Sulphite and Sulphate	1	1	1	1	2	4	X	1	2	2	2	1	1	1
Malathion	2	4	1	X	4	X	X	4	4	4	4	X	2	4
Maleic Acid	4	4	1	4	4	4	X	4	4	4	4	4	X	X
Maleic Anhydride	4	2	4	4	4	4	X	2	4	4	4	4	X	X
Malic Acid	1	2	1	2	2	4	X	4	2	1	3	2	1	2
Mercuric Chloride	1	1	1	1	1	X	X	1	1	1	1	1	X	X
Mercury	1	1	1	1	1	X	X	1	1	1	1	1	X	X
Mercury Vapors	1	1	1	1	1	X	X	1	1	1	1	1	X	X
Mesityl Oxide (Ketone)	4	2	4	4	4	4	4	2	4	4	4	4	4	4
Methane	1	4	1	2	4	1	3	4	4	4	4	2	3	4
Methanol	4	1	4	1	1	4	4	1	1	1	1	1	1	1
Methyl Acetate	4	2	4	2	4	4	4	2	4	4	4	4	4	4
Methyl Acetoacetate	4	2	4	4	X	4	4	2	X	X	X	4	4	2
Methyl Acrylate	4	2	4	2	4	4	4	2	4	4	4	4	4	4
Methyl Alcohol	4	1	4	1	1	4	4	1	1	1	1	1	1	1
Methyl Benzoate	4	4	1	4	4	4	4	4	4	4	4	4	1	4
Methyl Bromide	2	4	1	4	4	3	X	4	4	4	4	4	1	X
Methyl Butyl Ketone	4	1	4	4	4	4	4	1	4	4	4	4	4	4
Methyl Carbonate	4	4	1	4	4	4	4	4	4	4	4	2	4	4

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Fluid Name	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
Methyl Cellosolve	3	2	4	3	4	4	4	2	4	4	4	2	4	4
Methyl Cellulose	2	2	4	2	2	4	2	2	2	2	2	2	4	2
Methyl Chloride	4	3	1	4	4	4	4	3	4	4	4	4	2	4
Methyl Chloroformate	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Methyl Ether	1	4	1	3	4	4	X	4	1	1	4	4	1	1
Methyl Ethyl Ketone (MEK)	4	1	4	4	4	4	4	1	4	4	4	4	4	4
Methyl Ethyl Ketone Peroxide	4	4	4	4	4	4	4	4	4	4	4	4	4	2
Methyl Formate	4	2	X	2	4	X	X	2	4	4	4	2	X	X
Methyl Isobutyl Ketone (MIBK)	4	3	4	4	4	4	4	3	4	4	4	4	4	4
Methyl Isopropyl Ketone	4	2	4	4	4	4	4	2	4	4	4	4	4	4
Methyl Mercaptan	X	1	X	X	X	X	X	1	X	X	X	X	X	X
Methyl Methacrylate	4	4	4	4	4	4	X	4	4	4	4	4	4	4
Methyl Oleate	4	2	1	4	4	X	X	2	4	X	4	4	2	X
Methyl Salicylate	4	2	X	4	3	X	X	2	X	X	3	4	X	X
Methylacrylic Acid	4	2	3	2	4	4	4	2	4	4	4	4	4	4
Methylcyclopentane	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Methylene Chloride	4	4	2	4	4	4	4	4	4	4	4	4	2	4
Milk	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Mineral Oils	1	3	1	2	4	1	1	3	4	4	4	2	1	2
Mobil SHC 500 Series	3	4	1	2	X	1	2	4	X	X	X	2	2	2
Mobil SHC 600 Series	3	4	1	2	4	1	1	4	X	X	X	2	2	3
Mobilgear 600 Series	3	3	1	1	4	1	2	3	3	4	4	2	1	1
Mobilgear SHC ISO Series	3	3	1	2	4	1	2	3	3	4	4	2	1	1
Mobilgrease HP	2	4	1	2	4	1	1	4	X	4	4	3	1	2
Mobilgrease HTS	2	4	1	2	4	1	1	4	X	4	4	3	1	2
Mobilgrease SM	2	4	1	2	4	1	1	4	X	4	4	3	1	2
Mobilith AW Series	2	4	1	2	4	1	1	4	X	4	4	3	1	2
Mobilith SHC Series	2	4	1	3	4	1	1	4	X	4	4	3	1	2
Mobilmistlube Series	3	3	1	1	4	1	2	3	3	4	4	2	1	1
Mono Bromobenzene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Mono Ethanolamine	4	2	4	4	2	4	4	2	2	2	2	4	4	2
Monochlorobenzene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Monoitrotoluene & Dinitrotoluene (40/60 Mixture)	4	4	3	4	4	4	4	4	4	4	4	4	3	4
Monomethyl Hydrazine	2	1	X	2	2	X	X	1	X	X	2	X	4	4
Monomethylaniline	4	2	2	4	4	4	4	2	4	4	4	4	X	X
Monovinyl Acetylene	1	1	1	2	2	X	X	1	2	2	2	2	X	2
Mopar Brake Fluid	3	1	4	2	1	X	X	2	X	X	X	2	4	3
N-Butyl Acetate	4	2	4	4	4	4	4	2	4	4	4	4	4	4
N-Butyl Benzoate	4	1	1	4	2	4	X	1	4	4	4	4	1	X
N-Butyl Butyrate	4	1	1	4	4	4	X	1	4	4	4	4	1	X
N-Butyl Ether	3	3	4	4	4	4	3	3	4	4	4	4	3	4
N-Heptane	1	4	1	2	4	1	2	4	4	4	4	4	2	3
N-Hexaldehyde	4	1	4	1	4	X	2	2	4	4	4	3	4	2
N-Hexane	1	4	1	2	4	1	2	4	4	4	4	2	3	4
N-Hexane-1	2	4	1	2	4	1	2	4	4	4	4	2	4	4
N-Methyl-2-Pyrrolidone	X	2	X	X	X	X	X	X	X	X	X	X	X	X
N-Octane	1	4	1	4	4	4	4	4	4	4	4	4	2	4
N-Pentane	1	4	1	1	3	1	4	4	4	4	4	4	2	3
N-Propyl Acetone	4	1	4	4	4	4	4	1	4	4	4	4	4	4
Naphthalene	4	4	1	4	4	X	2	4	4	4	4	4	1	4
Naphthenic Acid	2	4	1	4	4	X	X	4	4	4	4	4	1	4
Naptha	2	4	1	4	4	2	2	4	4	4	4	4	2	4
Natural Gas	1	4	1	1	2	2	2	4	2	2	2	1	3	4
Neatsfoot Oil	1	2	1	4	4	1	1	2	4	4	4	4	1	2
Neon	1													

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**Fluid Name**

Material	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
Nitric Acid Concentrated Room Temp.	X	4	2	X	X	X	X	X	X	X	X	X	X	X
Nitric Acid Concentrated to 158°F	4	4	4	4	4	4	4	4	X	X	4	X	4	4
Nitrobenzene	4	1	2	4	4	4	4	1	4	4	4	4	4	4
Nitroethane	4	2	4	2	2	4	4	2	2	2	2	2	4	4
Nitrogen	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nitrogen Tetroxide (N2O4)	4	4	4	4	4	4	4	2	4	4	4	4	4	4
Nitromethane	4	2	4	3	3	4	4	2	2	2	2	2	4	4
Nitropropane	4	2	4	4	4	4	4	2	4	4	4	4	4	4
Nitrous Oxide	1	1	1	X	X	X	X	X	X	X	X	X	X	1
Noryl GE Phenolic	1	1	X	X	X	X	X	X	X	X	X	X	X	X
Nyvac FR200 Mobil	1	1	1	2	4	X	X	4	4	X	4	3	X	X
O-Chloronaphthalene	4	4	1	4	4	4	4	4	4	4	4	2	4	4
O-Chlorophenol	4	4	1	4	4	4	4	4	4	4	4	4	2	4
O-Dichlorobenzene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
OS 45 Type III (OS45)	2	4	1	1	4	X	4	4	4	4	4	2	2	4
OS 45 Type IV (OS45-1)	2	4	1	1	4	X	4	4	4	4	4	2	2	4
OS 70	2	4	1	1	4	X	4	4	4	4	4	2	2	4
Octachloro Toluene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Octadecane	1	4	1	2	4	2	1	4	4	4	2	1	4	4
Octyl Alcohol	2	3	1	2	2	4	4	2	2	2	2	2	2	2
Oleic Acid	3	4	2	4	4	4	2	4	4	4	4	4	X	4
Oleum (Fuming Sulfuric Acid)	4	4	1	4	4	4	4	4	4	4	4	4	X	4
Oleum Spirits	2	4	1	3	4	X	3	4	4	4	4	2	2	4
Olive Oil	1	2	1	2	4	1	1	2	4	4	4	2	1	3
Oronite 8200	2	4	1	1	4	X	1	4	4	4	4	4	1	4
Oronite 8515	2	4	1	1	4	X	1	4	4	4	4	4	1	4
Ortho-Dichlorobenzene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Orthochloro Ethyl Benzene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Oxalic Acid	2	1	1	2	2	X	X	1	2	2	2	2	1	2
Oxygen, 200-400°F (Evaluate for specific applications)	4	4	2	4	4	4	4	4	4	4	4	4	4	1
Oxygen, Cold (Evaluate for specific applications)	2	1	1	1	2	2	1	1	2	2	1	1	1	1
Ozone	4	1	1	2	4	2	1	2	4	4	4	1	1	1
P-Cymene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
P-Dichlorobenzene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
P-Tertiary Butyl Catechol	4	2	1	2	2	4	4	2	2	4	4	2	1	X
PRL-High Temp. Hydr. Oil	2	4	1	2	4	1	2	4	4	4	4	4	1	2
Paint Thinner, Duco	4	4	2	4	4	4	4	4	4	4	4	4	2	4
Palmitic Acid	1	2	1	2	2	X	1	2	2	2	3	1	4	4
Par-al-Ketone	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Para-dichlorobenzene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Parker O Lube	1	4	1	1	2	1	1	4	4	4	4	1	1	2
Peanut Oil	1	3	1	3	4	1	2	3	4	4	4	2	1	1
Pentane, 2 Methyl	1	4	1	2	4	1	4	4	4	4	4	2	3	4
Pentane, 2-4 dimethyl	1	4	1	2	4	1	4	4	4	4	4	2	3	4
Pentane, 3-Methyl	1	4	1	2	4	1	4	4	4	4	4	2	3	4
Perchloric Acid - 2N	4	2	1	2	4	4	4	2	4	4	4	2	1	4
Perchloroethylene	2	4	1	4	4	4	4	4	4	4	4	4	2	4
Petrolatum	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Petroleum Oil, Above 250°F	4	4	2	4	4	4	4	4	4	4	4	4	4	4
Petroleum Oil, Below 250°F	1	4	1	2	4	2	2	4	4	4	4	2	2	2
Petroleum Oil, Crude	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Phenol	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Phenol, 70%/30% H <sub>2</sub> O	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Phenol, 85%/15% H <sub>2</sub> O	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Phenyl Ethyl Ether	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Phenylbenzene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Phenylhydrazine	4	2	1	4	2	4	X	4	2	1	1	4	X	X
Phorone	4	3	4	4	4	4	4	3	4	4	4	4	4	4
Phosphoric Acid 3 Molar to 158°F	1	1	1	2	2	3	4	1	X	X	X	1	2	2
Phosphoric Acid Concentrated Room Temp	2	1	1	2	1	2	4	1	X	X	X	1	3	3
Phosphoric Acid Concentrated to 158°F	4	1	1	3	2	3	4	1	X	X	X	1	3	4
Phosphorous Trichloride	4	1	1	4	4	X	X	1	X	X	4	4	1	X

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Material	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
Pickling Solution	4	3	2	4	4	4	4	4	4	4	4	4	4	4
Picric Acid H <sub>2</sub> O Solution	1	1	1	1	2	X	X	1	2	1	2	1	2	X
Picric Acid Molten	2	2	1	2	2	X	X	2	2	2	2	2	2	4
Pine Oil	1	4	1	4	4	X	X	4	4	4	4	4	1	4
Pinene	2	4	1	3	4	4	2	4	4	4	4	4	1	4
Piperidine	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Plating Solutions Chrome	4	2	1	4	4	4	4	2	4	4	4	4	2	2
Plating Solutions Others	1	1	1	4	4	X	X	1	X	X	4	1	X	4
Pneumatic Service	1	1	1	1	4	4	1	1	4	4	4	1	4	4
Polyvinyl Acetate Emulsion	X	1	X	2	4	X	X	1	X	X	2	2	X	X
Potassium Acetate	2	1	4	2	4	4	4	1	4	1	1	1	4	4
Potassium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Cupro Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Cyanide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Dichromate	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Potassium Hydroxide 50%	2	1	4	2	2	4	4	1	2	2	2	1	3	3
Potassium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Salts	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Sulfite	1	1	1	1	2	4	1	1	1	2	2	2	1	1
Potassium Sulphate	1	1	1	1	2	4	1	1	1	2	2	2	1	1
Prestone Antifreeze	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Producer Gas	1	4	1	2	4	2	1	4	4	4	4	2	2	2
Propane	1	4	1	2	4	1	3	4	4	4	4	2	2	4
Propyl Acetate	4	2	4	4	4	4	4	2	4	4	4	4	4	4
Propyl Alcohol	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Propyl Nitrate	4	2	4	4	4	4	X	2	4	4	4	4	4	4
Propylene	3	4	1	4	4	4	4	4	4	4	4	4	3	4
Propylene Oxide	4	2	4	4	4	4	4	2	4	4	4	4	4	4
Pydraul, 10E	4	1	4	4	4	4	4	1	4	4	4	4	4	1
Pydraul, 115E	4	1	1	4	4	4	4	1	4	4	4	4	3	4
Pydraul, 230C, 312C, 540C, A200	4	4	1	4	4	4	4	4	4	4	4	4	4	4
Pydraul, 29ELT 30E, 50E, 65E	4	1	1	4	4	4	4	1	4	4	4	4	1	1
Pyranol Transformer Oil	1	4	1	2	4	1	2	4	4	4	4	2	1	4
Pyridine Oil	4	2	4	4	4	4	X	2	4	4	4	4	4	4
Pyrogard 53, Mobil Phosphate Ester	4	1	1	4	4	4	4	1	4	4	4	4	4	4
Pyrogard D, Mobil Water-in-Oil Emulsion	1	4	4	2	4	X	1	4	4	4	4	1	2	3
Pyrolygneous Acid	4	2	4	2	4	4	4	2	4	4	4	2	4	X
Pyrolube	4	2	1	4	4	4	4	2	4	4	4	4	2	2
Pyrrrole	4	4	4	4	2	4	X	4	2	2	2	2	4	2
RJ-1 (MIL-F-25558)	1	4	1	2	4	1	1	4	4	4	4	2	1	4
RJ-4 (MIL-F-82522)	2	4	1	4	4	2	2	4	X	X	4	X	1	4
RP-1 (MIL-R-25576)	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Radiation (GAMMA, 1.0 E+07 RADS)	3	2	4	X	X	X	4	4	X	X	4	X	4	2
Rapeseed Oil	2	1	1	2	4	2	2	1	4	4	4	2	1	4
Red Line 100 Oil	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Red Oil (MIL-H-5606)	1	4	1	2	4	1	1	4	4	4	4	2	1	4
SF 1154 GE Silicone Fluid	2	1	1	1	1	1	2	1	X	1	1	1	1	4
SF1147 GE Silicone Fluid	2	3	1	X	X	X	3	X	X	X	X	X	X	4
SF96 GE Silicone Fluid	2	1	1	1	1	1	2	1	1	1	1	1	1	4
SR-10 Fuel	1	4	1	4	4	2	2	4	4	4	4	4	1	4
SR-6 Fuel	2	4	1	4	4	2	2	4	4	4	4	4	1	4
Sal Ammoniac	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Salicylic Acid	2	1	1	X	2	X	X	1	2	1	1	X	1	X

## Fluid Compatibility Chart\*

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Fluid Name	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
Shell Macome 72	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Shell Tellus #32 Pet. Base	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Shell Tellus #68	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Shell UMF (5% Aromatic)	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Silicate Esters	2	4	1	1	4	X	1	4	4	4	X	1	4	
Silicone Greases	1	1	1	1	1	1	1	1	1	1	1	1	2	3
Silicone Oils	1	1	1	1	1	1	1	1	1	1	1	1	3	3
Silver Nitrate	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Sinclair Opaline CX-EP Lube	1	4	1	2	4	1	1	4	4	4	2	1	4	
Skelly, Solvent B, C, E	1	4	1	4	4	X	X	4	4	4	4	1	X	
Skydrol 500 B4	4	1	4	4	4	4	4	2	4	4	4	4	3	3
Skydrol LD-4	4	1	4	4	4	4	4	2	4	4	4	4	3	3
Soap Solutions	1	1	1	2	2	4	4	1	1	1	2	1	1	1
Socony Mobile Type A	1	4	1	2	4	1	2	4	4	4	4	4	2	4
Socony Vacuum AMV AC781 (grease)	1	4	1	2	4	1	2	4	4	4	4	4	2	4
Socony Vacuum PD959B	1	4	1	2	4	1	1	4	4	4	2	1	4	
Soda Ash	1	1	1	1	1	X	X	1	1	1	1	1	1	1
Sodium Acetate	2	1	4	2	4	3	3	1	4	1	1	1	4	4
Sodium Bicarbonate (Baking Soda)	1	1	1	1	1	X	X	1	1	1	1	1	1	1
Sodium Bisulfate or Bisulfite	1	1	1	1	2	4	X	1	2	2	1	1	1	1
Sodium Borate	1	1	1	1	1	X	X	1	1	1	1	1	1	1
Sodium Carbonate (Soda Ash)	1	1	1	1	1	X	X	1	1	1	1	1	1	1
Sodium Chloride	1	1	1	1	1	X	1	1	1	1	1	1	X	1
Sodium Cyanide	1	1	X	1	1	X	X	1	1	1	1	1	X	1
Sodium Hydroxide, 3 Molar	2	1	2	2	2	4	2	1	1	1	1	1	2	1
Sodium Hypochlorite	2	1	1	2	2	4	4	1	2	2	2	1	2	2
Sodium Metaphosphate	1	1	1	2	1	X	X	1	1	1	1	2	1	X
Sodium Nitrate	2	1	X	2	2	X	X	1	1	1	2	1	X	4
Sodium Perborate	2	1	1	2	2	X	X	1	2	2	2	2	1	2
Sodium Peroxide	2	1	1	2	2	4	4	1	2	2	2	2	1	4
Sodium Phosphate (Dibasic)	1	1	1	2	1	1	1	1	1	1	1	1	X	4
Sodium Phosphate (Mono)	1	1	1	2	1	1	1	1	1	1	1	1	X	4
Sodium Phosphate (Tribasic)	1	1	1	2	1	1	1	1	1	1	1	1	X	1
Sodium Salts	1	1	1	2	1	1	1	1	1	1	1	1	1	1
Sodium Silicate	1	1	1	1	1	X	X	1	1	1	1	1	X	X
Sodium Sulphate	1	1	1	1	2	4	1	1	2	2	2	1	1	1
Sodium Sulphide and Sulfite	1	1	1	1	2	4	1	1	2	2	2	1	1	1
Sodium Thiosulfate	2	1	1	1	2	4	1	1	2	2	2	1	1	1
Sour Crude Oil	3	4	1	4	4	4	4	4	4	4	4	X	4	4
Sour Natural Gas	3	4	1	4	4	4	4	4	4	4	4	X	4	4
Sovasol No. 1, 2, and 3	1	4	1	2	4	2	2	4	4	4	4	2	1	4
Sovasol No. 73 and 74	2	4	1	2	4	2	2	4	4	4	4	2	1	4
Soybean Oil	1	3	1	3	4	1	X	3	4	4	4	3	1	1
Spry	1	2	1	2	4	1	1	2	4	4	4	4	1	1
Standard Oil Mobilube GX90-EP Lube	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Stannic Chloride	1	1	1	4	1	X	X	1	1	1	1	4	1	2
Stannic Chloride, 50%	1	1	1	4	1	X	X	1	1	1	1	4	1	2
Stannous Chloride (15%)	1	1	1	1	1	X	X	1	1	1	1	1	1	2
Stauffer 7700	2	4	1	4	4	2	X	4	4	4	4	4	2	4
Steam Below 400°F	4	1	4	4	4	4	4	2	4	4	4	4	4	3
Steam, 400°-500°F	4	3	4	4	4	4	4	4	4	4	4	4	4	4
Steam, Above 500°F														
Stearic Acid	2	2	X	2	2	X	X	2	2	2	2	2	X	2
Stoddard Solvent	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Styrene (Monomer)	4	4	2	4	4	4	X	4	4	4	4	4	3	4
Sucrose Solutions	1	1	1	2	1	4	4	1	1	1	1	2	1	1
Sulfur	4	1	1	1	4	4	X	1	4	4	4	X	1	X
Sulfur Chloride	4	4	1	4	4	4	X	4	4	4	4	4	1	3
Sulfur Dioxide, Dry	4	1	4	4	2	4	X	2	2	2	2	4	2	2
Sulfur Dioxide, Liquidified under pressure	4	1	4	4	4	4	X	2	4	4	4	4	2	2
Sulfur Dioxide, Wet	4	1	4	2	4	4	X	1	4	4	4	3	2	2
Sulfur Liquors	2	2	1	2	2	4	X	2	2	2	2	2	2	4

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Fluid Name	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
Sulfur Molten	4	3	1	3	4	4	4	3	4	4	4	3	3	
Sulfur Trioxide Dry	4	2	1	4	3	4	X	2	2	2	2	4	2	2
Sulfuric Acid, 3 Molar to 158°F	2	1	1	2	3	2	4	1	X	X	X	1	1	1
Sulfuric Acid, Concentrated Room Temp	X	3	1	X	X	X	3	X	X	X	X	X	X	X
Sulfuric Acid, Concentrated to 158°F	4	4	1	4	4	4	4	X	X	X	X	X	4	4
Sulfurous Acid	2	2	1	2	2	4	3	2	2	2	2	1	X	4
Sunoco #3661	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Sunoco All purpose grease	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Sunoco SAE 10	1	4	1	2	4	1	1	4	4	4	4	2	1	4
Sunsaft (Fire resist. hydr. fluid)	1	4	1	2	4	4	4	4	4	4	4	2	1	X
Super Shell Gas	1	4	1	2	4	2	2	4	4	4	4	4	2	4
Swan Finch EP Lube	1	4	1	4	4	1	1	4	4	4	4	4	1	4
Swan Finch Hypoid-90	1	4	1	2	4	1	1	4	4	4	4	4	1	4
Tannic Acid (10%)	1	1	1	1	2	4	X	1	1	1	1	1	1	2
Tar, bituminous	2	4	1	3	4	4	X	4	4	2	3	4	1	2
Tartaric Acid	1	2	1	2	4	X	1	2	2	1	3	1	1	1
Terpineol	2	3	1	4	4	X	2	3	4	4	4	4	1	X
Tertiary Butyl Alcohol	2	2	1	2	2	4	4	2	2	2	2	2	2	2
Tertiary Butyl Mercaptan	4	4	1	4	4	4	4	4	4	4	4	4	X	4
Tetrabromoethane	4	4	1	4	4	4	X	4	4	4	4	4	2	4
Tetrabutyl Titanate	2	1	1	2	2	X	X	2	2	2	2	4	4	4
Tetrachloroethylene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Tetrachloroethane	4	4	1	4	4	4	4	4	4	4	4	4	2	X
Tetraethyl Lead	2	4	1	2	4	X	X	4	4	4	4	4	2	X
Tetraethyl Lead Blend	2	4	1	4	4	X	X	4	4	4	4	4	2	X
Tetrahydrofuran	4	2	4	4	4	4	3	2	4	4	4	4	4	4
Tetralin	4	4	1	4	4	X	X	4	4	4	4	4	1	4
Texaco 3450 Gear Oil	1	4	1	4	4	1	1	4	4	4	4	4	1	4
Texaco Capella A and AA	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Texaco Meropa 220 (No Lead)	1	4	1	2	4	1	2	4	4	4	4	4	1	4
Texaco Regal B	1	4	1	4	4	1	1	4	4	4	4	4	1	4
Texaco Uni-Temp Grease	1	4	1	2	4	1	1	4	4	4	4	4	1	2
Texamatic A 1581 Fluid	1	4	1	2	4	1	2	4	4	4	4	4	2	4
Texamatic A 3401 Fluid	1	4	1	2	4	1	2	4	4	4	4	4	2	4
Texamatic A 3525 Fluid	1	4	1	2	4	1	2	4	4	4	4	4	2	4
Texamatic A 3528 Fluid	1	4	1	2	4	1	2	4	4	4	4	4	2	4
Texamatic A Transmission Oil	1	4	1	2	4	1	2	4	4	4	4	4	2	4
Texas 1500 Oil	1	4	1	2	4	1	1	4	4	4	4	4	1	2
Therminol 44	4	4	1	4	X	4	X	4	X	X	X	X	X	4
Therminol 55	2	4	1	4	X	2	X	4	X	X	X	X	X	4
Therminol VP-1, 60, 65	4	4	1	4	X	4	X	4	X	X	X	X	X	2
Thiokol TP-90B	4	1	1	2	4	X	X	1	X	X	X	2	2	X
Thiokol TP-95	4	1	1	2	4	X	X	1	X	X	X	2	2	X
Tidewater Multigear, 140 EP Lube	1	4	1	2	4	1	1	4	4	4	4	4	2	4
Tidewater Oil-Beedol	1	4	1	2	4	1	1	4	4	4	4	4	1	2
Titanium Tetrachloride	2	4	1	4	4	4	4	4	4	4	4	4	2	4
Toluene	4	4	1	4	4	4	4	4	4	4	4	4	2	4
Toluene Diisocyanate	4	2	4	4	4	4	X	2	4	4	4	4	4	4
Transformer Oil	1	4	1	2	4	2	1	4	4	4	4	4	1	2
Transmission Fluid Type A	1	4	1	2	4	1	1	4	4	4	4	2	1	2
Triacetin	2	1	4	2	3	4	4	1	2	2	2	2	4	X
Triaryl Phosphate	4	1	1	4	4	4	4	1	4	4	4	4	2	3
Tributoxyethyl Phosphate	4	1	1	4	2	4	4	1	2	4	2	4	2	X
Tributyl Mercaptan	4	4	1	4	4	4	X	4	4	4	4	4	3	4
Tributyl Phosphate	4	1	4	4	4	4	4	2	4	2	2	4		



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Fluid Name	Material	Nitrile	Ethylene Propylene	Fluorocarbon	Neoprene	SBR	Polyacrylate	Polyurethane	Butyl	Butadiene	Isoprene	Natural Rubber	Hypalon	Fluorosilicone	Silicone
Trioctyl Phosphate		4	1	2	4	4	4	4	1	4	4	4	4	2	3
Tripoly Phosphate		4	1	2	3	4	4	4	1	4	4	4	4	1	3
Tung Oil (China Wood Oil)		1	4	1	2	4	X	3	3	4	4	4	3	2	4
Turbine Oil		1	4	1	4	4	1	1	4	4	4	4	4	1	4
Turbine Oil #15 (MIL-L-7808A)		2	4	1	4	4	2	4	4	4	4	4	4	2	4
Turbo Oil #35		1	4	1	2	4	1	1	4	4	4	4	4	1	4
Turpentine		1	4	1	4	4	2	4	4	4	4	4	4	2	4
Type I Fuel (MIL-S-3136)(ASTM Ref. Fuel A)		1	4	1	2	4	1	1	4	4	4	4	2	1	4
Type II Fuel MIL-S-3136		2	4	1	4	4	3	2	4	4	4	4	4	2	4
Type III Fuel MIL-S-3136 (ASTM Ref. Fuel B)		2	4	1	4	4	3	2	4	4	4	4	4	2	4
Ucon Hydrolube J-4		1	1	1	2	1	4	4	1	2	X	X	X	2	1
Ucon Lubricant 50-HB-100		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant 50-HB-260		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant 50-HB-5100		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant 50-HB-660		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant 50-HB55		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant LB-1145		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant LB-135		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant LB-285		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant LB-300X		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant LB-625		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Lubricant LB-65		1	1	1	1	2	X	X	1	2	2	2	2	1	1
Ucon Oil Heat Transfer Fluid 500(Polyalkalene Glycol)		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Oil LB-385		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Ucon Oil LB-400X		1	1	1	1	1	X	X	1	1	1	1	1	1	1
Univis 40 (Hydr. Fluid)		1	4	1	2	4	1	1	4	4	4	4	2	1	4
Univolt #35 (Mineral Oil)		1	4	1	2	4	1	1	4	4	4	4	4	1	4
Unsymmetrical Dimethyl Hydrazine (UDMH)		2	1	4	2	2	X	X	1	1	1	1	1	4	4
Uranium Hexachloride		X	X	1	X	X	X	X	X	X	X	X	X	X	X
VV-H-910		3	1	1	2	1	2	4	2	2	2	2	2	2	2
Varnish		2	4	1	4	4	4	3	4	4	4	4	4	2	4
Vegetable Oil		1	3	1	3	4	1	X	3	4	4	4	X	1	1
Versilube F-50		1	1	1	1	1	1	1	1	1	1	1	1	1	3
Vinegar		2	2	3	2	2	4	4	2	2	2	2	X	3	3
Vinyl Chloride		X	4	X	X	X	X	X	X	X	X	X	X	X	X
Wagner 21B Brake Fluid		3	1	4	2	1	X	X	2	X	X	2	2	4	3
Water		1	1	2	2	1	4	4	1	1	1	1	1	1	1
Wemco C		1	4	1	2	4	1	1	4	4	4	4	4	1	4
Whiskey and Wines		1	1	1	1	1	4	4	1	1	1	1	1	1	1
White Oil		1	4	1	2	4	1	1	4	4	4	4	4	1	4
White Pine Oil		2	4	1	4	4	X	X	4	4	4	4	4	1	4
Wolmar Salt		1	1	1	2	1	2	1	1	1	1	1	1	1	1
Wood Alcohol		1	1	4	1	1	4	4	1	1	1	1	1	1	1
Wood Oil		1	4	1	2	4	1	3	3	4	4	4	3	2	4
Xenon		1	1	1	1	1	1	1	1	1	1	1	1	1	1
Xylene		4	4	1	4	4	4	4	4	4	4	4	4	1	4
Xylenes-Mixed-Aromatic Amines		3	4	4	4	4	4	4	4	4	4	4	4	4	4
Xylol		4	4	1	4	4	4	4	4	4	4	4	4	1	4
Zeolites		1	1	1	1	1	X	X	1	1	1	1	1	1	X
Zinc Acetate		2	1	4	2	4	4	4	1	4	1	1	4	4	4
Zinc Chloride		1	1	1	1	1	4	X	1	1	1	1	1	1	X
Zinc Salts		1	1	1	1	1	4	1	1	1	1	1	1	1	1
Zinc Sulfate		1	1	1	1	2	4	X	1	2	2	2	1	1	1

\*All recommendations in this table are general in nature and apply to the base polymer only. In many cases, special compounding may be required to achieve maximum resistance. As always, materials should be tested under actual service conditions before specification.