

Legend

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| Fluid | Dynamic & Static | | | Static |
|--------------------------------------|--------------------|----------------------------|---------------------|-----------------------------|
| | NBR -30 – 100°C | FPM – Viton -15 – 200°C | EPDM -45 – 130°C | MVQ-Silicone -55 – 200°C |
| Acetaldehyde | 4 | 2 | 3 | 2 |
| Acetamide | 4 | 2 | 1 | 2 |
| Acetic Acid, Glacial | 4 | 2 | 4 | 2 |
| Acetic Acid, Hot, High Press | 4 | 4 | 4 | 3 |
| Acetic Acid, 5% | 4 | 1 | 1 | 1 |
| Acetic Anhydride | 4 | 2 | 2 | 2 |
| Acetone | 4 | 1 | 4 | 4 |
| Acetophenone | 4 | 2 | 4 | 4 |
| Acetyl Acetone | 4 | 1 | 4 | 4 |
| Acetyl Chloride | 4 | 4 | 4 | 3 |
| Acetylene | 4 | 1 | 2 | 2 |
| Acetylene Tetrabromide | ? | 1 | 2 | ? |
| Acrylonitrile | 4 | 4 | 4 | 4 |
| Aero Lubriplate | 1 | 4 | 1 | 2 |
| Aerosafe 2300 | 4 | 2 | 4 | 3 |
| Aerosafe 2300W | 4 | 2 | 4 | 3 |
| Aero Shell IAC | 1 | 4 | 2 | 2 |
| Aero Shell 7A Grease | 1 | 4 | 2 | 2 |
| Aero Shell 17 Grease | 1 | 4 | 2 | 2 |
| Aero Shell 750 | 2 | 4 | 4 | 4 |
| Aerozene 50 (50% Hydrazine 50% UDMH) | ? | 1 | 4 | 4 |
| Air, Below 200F | 1 | 1 | 1 | 1 |
| Air, 200 - 300F | 2 | 2 | 2 | 1 |
| Air, 300 - 400F | 4 | 4 | 4 | 1 |
| Air, 400 - 500F | 4 | 4 | 4 | 2 |
| Atlantic Utro Gear-EP Lube. | 1 | 4 | 2 | 4 |
| Alkali Metals | | | | |
| Alkazene | 4 | 4 | 4 | 4 |
| Al u m i n u m Acetate | 4 | 1 | 2 | 4 |
| Aluminum Bromide | 1 | 1 | 1 | 1 |

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| Aluminum Chloride | 1 | 1 | 1 | 2 |
| Aluminum Fluoride | ? | 1 | 1 | 2 |
| Aluminum Nitrate | ? | 1 | 1 | 2 |
| Aluminum Salts | 1 | 1 | 1 | 1 |
| Aluminum Sulphate | 4 | 1 | 1 | 1 |
| Alums-NH3 -Cr -K | 4 | 1 | 1 | 1 |
| Ambrex 33 (Mobil) | 1 | 4 | 2 | 4 |
| Ambrex 830 (Mobil) | 1 | 3 | 2 | 2 |
| Amines-Mixed | 4 | 2 | 2 | 2 |
| Ammonia, Gas, Cold | 4 | 1 | 1 | 1 |
| Ammonia, Gas, Hot | 4 | 2 | 2 | ? |
| Ammonia, Liquid (Anhydrous) | 4 | 1 | 1 | 2 |
| Ammonia and Lithium Metal in Sol. | 4 | 2 | ? | 4 |
| Ammonium Carbonate | 4 | 1 | 1 | ? |
| Ammonium Chloride, 2N | ? | 1 | 1 | ? |
| Ammonium Hydroxide, 3 Molar | 4 | 1 | 1 | 1 |
| Ammonium Hydroxide, Concentrated | 4 | 1 | 1 | 1 |
| Ammonium Nitrate, 2N | 2 | 1 | 1 | ? |
| Ammonium Nitrite | ? | 1 | 1 | 2 |
| Ammonium Persulfate Solution | 4 | 1 | ? | ? |
| Ammonium Persulfate 10% | 4 | 1 | 1 | ? |
| Ammonium Phosphate, | ? | 1 | 1 | 1 |
| Ammonium Phosphate, Mono-Basic | ? | 1 | 1 | 1 |
| Ammonium Phosphate, Dibasic | ? | 1 | 1 | 1 |
| Ammonium Phosphate, Tribasic | ? | 1 | 1 | 1 |
| Ammonium Salts | 3 | 1 | 1 | 1 |
| Ammonium Sulfate | 4 | 1 | 1 | ? |
| Ammonium Sulfide | 4 | 1 | 1 | ? |
| Amyl Acetate | 4 | 3 | 4 | 4 |
| Amyl Alcohol | 4 | 1 | 2 | 4 |

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| Amyl Borate | ? | 4 | 1 | ? |
| Amyl Chloride | 4 | 4 | 4 | 4 |
| Amyl Chloronaphthalene | 4 | 4 | 4 | 4 |
| Amyl Naphthalene | 2 | 4 | 4 | 4 |
| Anderol, L-774 (di-ester) | 2 | 4 | 4 | 4 |
| Anderol, L- 826 (di-ester) | 2 | 4 | 4 | 4 |
| Anderol, L- 829 (di-ester) | 2 | 4 | 4 | 4 |
| Ang-25 (Glycerol Ester) | 4 | 2 | 2 | 2 |
| Ang-25 (Di-ester Base) (TG749) | 2 | 4 | 4 | 2 |
| Anhydrous Ammonia | 4 | 1 | 1 | 2 |
| Anhydrous Hydrazine | 4 | 2 | 2 | ? |
| Anhydrous Hydrogen Fluoride | 4 | 1 | ? | ? |
| Aniline | 4 | 2 | 4 | 4 |
| Aniline Dyes | 4 | 2 | 2 | 3 |
| Aniline Hydrochloride | 4 | 2 | 4 | 3 |
| Aniline Oil | 4 | 2 | 4 | 4 |
| Animal Oil (Lard Oil) | 1 | 2 | 2 | 2 |
| AN-O-3 Grade M | 1 | 4 | 2 | 2 |
| AN-O-6 | 1 | 4 | 2 | 4 |
| An-O-366 | 1 | 4 | 2 | 4 |
| Ansul Ether 161 or 181 | 4 | 3 | 4 | 4 |
| AN-W-O-366b Hydr. Fluid | 2 | 4 | 2 | 4 |
| Argon | 1 | 1 | 1 | 1 |
| Aroclor, 1248 | 4 | 2 | 4 | 2 |
| Aroclor, 1254 | 4 | 4 | 4 | 3 |
| Aroclor, 1260 | 4 | 1 | 1 | 1 |
| Aromatic Fuel -50% | 4 | 4 | 4 | 4 |
| Arsenic Acid | 3 | 1 | 1 | 1 |
| Askarel | 4 | 4 | 4 | 4 |
| Asphalt | 2 | 4 | 2 | 4 |

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| ASTM Oil, No.1 | 1 | 4 | 1 | 1 |
| ASTM Oil, No.2 | 1 | 4 | 2 | 4 |
| ASTM Oil, No.3 | 1 | 4 | 4 | 3 |
| ASTM Oil, No.4 | 2 | 4 | 4 | 4 |
| ASTM Reference Fuel A | 2 | 4 | 2 | 4 |
| ASTM Reference Fuel B | 4 | 4 | 4 | 4 |
| ASTM Reference Fuel C | 4 | 4 | 4 | 4 |
| ATL-857 | 2 | 4 | 4 | 4 |
| Atlantic Dominion F | 1 | 4 | 2 | 4 |
| Aurex 903R (Mobil) | 1 | 4 | 2 | 4 |
| Automatic Transmission Fluid | 1 | 4 | 2 | 4 |
| Automotive Brake Fluid | 4 | 2 | 2 | 3 |
| Bardol B | 4 | 4 | 4 | 4 |
| Barium Chloride | 1 | 1 | 1 | 1 |
| Barium Hydroxide | 4 | 1 | 1 | 1 |
| Barium Salts | 1 | 1 | 1 | 1 |
| Barium Sulfide | 4 | 1 | 1 | 1 |
| Bayol D | 1 | 4 | 2 | 4 |
| Bayol35 | 1 | 4 | 2 | 4 |
| Beer | 4 | 1 | 1 | 1 |
| Beet Sugar Liquors | 4 | 1 | 2 | 1 |
| Benzaldehyde | 4 | 1 | 4 | 2 |
| Benzene | 4 | 4 | 4 | 4 |
| Benzenesulfonic Acid 10% | 4 | 4 | 2 | 4 |
| Benzine -See Ligroin | | | | |
| Benzochloride | 4 | 2 | 4 | ? |
| Benzoic Acid | 4 | 4 | 4 | 4 |
| Benzophenone | 4 | 2 | ? | ? |
| Benzyl Alcohol | 4 | 2 | 2 | 2 |
| Benzyl Benzoate | 4 | 2 | 4 | 4 |

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| Benzyl Chloride | 4 | 4 | 4 | 4 |
| Black Point 77 | 3 | 1 | 3 | 3 |
| Blast Furnace Gas | 4 | 4 | 4 | 1 |
| Bleach Liquor | 4 | 1 | 2 | 2 |
| Borax | 2 | 1 | 4 | 2 |
| Bordeaux Mixture | 4 | 1 | 2 | 2 |
| Boric Acid | 4 | 1 | 1 | 1 |
| Boron Fluids (HEF) | 4 | 4 | 4 | 4 |
| Brake Fluid, DOT3 (Glycol Type) | ? | 2 | 2 | 3 |
| Bray GG-130 | 2 | 4 | 4 | 4 |
| Brayco 719-R (W-H-910) | 4 | 2 | 2 | 2 |
| Brayco 885 (MIL-L-6085A) | 2 | 4 | 4 | 4 |
| Brayco 910 | 3 | 1 | 2 | 4 |
| Bret 710 | 3 | 1 | 2 | 4 |
| Brom - 113 | ? | 4 | 4 | 4 |
| Brom - 114 | ? | 4 | 2 | 4 |
| Bromine | 4 | 4 | 4 | 4 |
| Bromine Pentafluoride | 4 | 4 | 4 | 4 |
| Bromine Trifluoride | 4 | 4 | 4 | 4 |
| Bromine Water | 4 | 4 | 4 | 4 |
| Bromobenzene | 4 | 4 | 4 | 4 |
| Bromochloro Trifluoroethane | 4 | 4 | 4 | 4 |
| Bunker Oil | 1 | 4 | 4 | 2 |
| Butadiene (Monomer) | 4 | 4 | 4 | 4 |
| Butane | 1 | 4 | 1 | 4 |
| Butane, 2,2-Dimethyl | 1 | 4 | 2 | 4 |
| Butane, 2,3-Dimethyl | 1 | 4 | 2 | 4 |
| Butanol (Butyl Alcohol) | 4 | 2 | 1 | 2 |
| 1-Butene, 2-Ethyl | 1 | 4 | 4 | 4 |
| Butter-Animal Fat | 1 | 2 | 2 | 2 |

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| N-Butyl Acetate | 4 | 2 | 4 | 4 |
| Butyl Acetyl Ricinoleate | ? | 1 | 2 | ? |
| Butyl Acrylate | 4 | 4 | 4 | ? |
| Butyl Alcohol | 4 | 2 | 1 | 2 |
| Butyl Amine or N-Butyl Amine | 4 | 4 | 4 | 4 |
| N-Butyl Benzoate | 4 | 1 | 4 | ? |
| N-Butyl Butyrate | 4 | 1 | 4 | ? |
| Butyl Carbitol | 4 | 1 | 3 | 4 |
| Butyl Cellosolve | 4 | 2 | 3 | ? |
| Butyl Cellosolve Adipate | 4 | 2 | 4 | 2 |
| Butylene | 4 | 4 | 3 | 4 |
| N-Butyl Ether | 4 | 3 | 4 | 4 |
| ButylOleate | ? | 2 | 4 | ? |
| Butyl Stearate | ? | 4 | 4 | ? |
| Butyraldehyde | 4 | 2 | 4 | 4 |
| Butyric Acid | 4 | 2 | 4 | ? |
| Calcine Liquors | 4 | 1 | ? | ? |
| Calcium Acetate | 4 | 1 | 2 | 4 |
| Calcium Bisulfite | 3 | 1 | 2 | 3 |
| Calcium Carbonate | 3 | 1 | 1 | 1 |
| Calcium Chloride | 1 | 1 | 1 | 1 |
| Calcium Cyanide | ? | 1 | 1 | 1 |
| Calcium Hydroxide | 4 | 1 | 1 | 1 |
| Calcium Hypochlorite | 4 | 1 | 2 | 2 |
| Calcium Nitrate | 1 | 1 | 1 | 2 |
| Calcium Phosphate | 1 | 1 | 2 | 1 |
| Calcium Salts | 1 | 1 | 1 | 2 |
| Calcium Silicate | ? | 1 | 1 | ? |
| Calcium Sulfide | 4 | 1 | 1 | 1 |
| Calcium Sulfite | 4 | 1 | 1 | 1 |

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| Calcium Thiosulfate | 4 | 1 | 1 | 1 |
| Caliche Liquors | 1 | 1 | 1 | 2 |
| Cane Sugar Liquors | 4 | 1 | 1 | 1 |
| Caproic Aldehyde | 4 | 2 | ? | 2 |
| Carbamate | 4 | 2 | 2 | ? |
| Carbitol | 4 | 2 | 2 | 2 |
| Carbolic Acid Phenol | 4 | 2 | 4 | 4 |
| Carbon Bisulfide | 3 | 4 | 4 | 4 |
| Carbon Dioxide(s) | 1 | 1 | 1 | 1 |
| Carbon Disulfide | 3 | 4 | 4 | 4 |
| Carbon Monoxide | ? | 1 | 2 | 1 |
| Carbon Tetrachloride | 4 | 4 | 4 | 4 |
| Carbonic Acid | 1 | 1 | 1 | 1 |
| Castor Oil | 1 | 2 | 1 | 1 |
| Cellosolve | 4 | 2 | 4 | 4 |
| Cellosolve Acetate | 4 | 2 | 4 | 4 |
| Cellosolve, Butyl | 4 | 2 | 4 | 4 |
| Celluguard | 3 | 1 | 1 | 1 |
| Cellulube (Now Fyrquel) | | | | |
| Cellutherm 2505A | 2 | 4 | 4 | 4 |
| Cetane (Hexadecane) | 1 | 4 | 2 | 4 |
| China Wood Oil (Tung Oil) | ? | 3 | 2 | 4 |
| Chloroacetic Acid | 4 | 2 | 4 | ? |
| Chlordane | ? | 4 | 3 | 4 |
| Chlorextol | 2 | 4 | 2 | 4 |
| Chlorinated Solvents, Dry | 4 | 4 | 4 | 4 |
| Chlorinated Solvents, Wet | 4 | 4 | 4 | 4 |
| Chlorine, Dry | 4 | ? | 2 | 4 |
| Chlorine, Wet | 4 | ? | 4 | 4 |
| Chlorine Dioxide | 4 | 3 | 4 | ? |

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| Chlorine Dioxide, 8% Cl as NaClO ₂ in solution | 4 | 4 | 4 | ? |
| Chlorine Trifluoride | 4 | 4 | 4 | 4 |
| Chloroacetone | 4 | 2 | 4 | 4 |
| Chlorobenzene | 4 | 4 | 4 | 4 |
| Chlorobenzene, (Mono) | 4 | 4 | 4 | 4 |
| Chlorobromo Methane | 4 | 2 | 4 | 4 |
| Chlorobutadiene | 4 | 4 | 4 | 4 |
| Chlorododecane | 4 | 4 | 4 | 4 |
| Chloroform | 4 | 4 | 4 | 4 |
| O-Chloronaphthalene | 4 | 4 | 4 | 4 |
| 1-Chloro 1-Nitro Ethane | 4 | 4 | 4 | 4 |
| Chlorosulphonic Acid | 4 | 4 | 4 | 4 |
| Chlorotoluene | 4 | 4 | 4 | 4 |
| Chlorox | 4 | 2 | 2 | ? |
| O-Chlorphenol | 4 | 4 | 4 | 4 |
| Chrome Alum | 4 | 1 | 1 | 1 |
| Chrome Plating Solutions | 4 | 2 | 4 | 2 |
| Circo Light Process Oil | 1 | 4 | 2 | 4 |
| Citric Acid | ? | 1 | 1 | 1 |
| City Service Koolmoter-AP Gear Oil 140-EP Lube | 1 | 4 | 2 | 4 |
| City Service Pacemaker #2 | 1 | 4 | 2 | 4 |
| City Service #65, #120, #250 | 1 | 4 | 2 | 4 |
| Cobalt Chloride | 1 | 1 | 1 | 2 |
| Cobalt Chloride 2N | 4 | 1 | 1 | 1 |
| Cocoanut Oil | 1 | 3 | 3 | 1 |
| Cod Liver Oil | 1 | 1 | 2 | 2 |
| Coffee | 4 | 1 | 1 | 1 |
| Coke Oven Gas | 4 | 4 | 4 | 2 |
| Coliche Liquors | ? | 2 | 1 | ? |
| Convelex 10 | ? | 4 | 4 | 4 |

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| Coolanol 20, 25R, 35R, 40& 45A (Monsanto) | 4 | 4 | 2 | 4 |
| Copper Acetate | 4 | 1 | 2 | 4 |
| Copper Chloride | 1 | 1 | 2 | 1 |
| Copper Cyanide | 1 | 1 | 1 | 1 |
| Copper Salts | 1 | 1 | 1 | 1 |
| Copper Sulfate | 4 | 2 | 1 | 1 |
| Copper Sulfate 10% | 4 | 2 | 1 | 1 |
| Copper Sulfate 50% | 4 | 2 | 1 | 1 |
| Corn Oil | 1 | 3 | 3 | 1 |
| Cottonseed Oil | 1 | 3 | 3 | 1 |
| Cresols | 4 | 4 | 4 | 4 |
| Creosote, Coal Tar | 1 | 4 | 2 | 4 |
| Creosote, Wood | 1 | 4 | 2 | 4 |
| Cresylic Acid | 4 | 4 | 4 | 4 |
| Crude Oil | 1 | 4 | 4 | 4 |
| Cumene | 4 | 4 | 4 | 4 |
| Cutting Oil | 1 | 4 | 2 | 4 |
| Cyclohexane | 2 | 4 | 3 | 4 |
| Cyclohexanol | ? | 4 | 2 | 4 |
| Cyclohexanone | 4 | 2 | 4 | 4 |
| P-Cymene | 4 | 4 | 4 | 4 |
| Decalin | ? | 4 | 4 | 4 |
| Decane | 1 | 4 | 3 | 2 |
| Delco Brake Fluid | ? | 2 | 2 | 3 |
| Denatured Alcohol | 4 | 1 | 1 | 1 |
| Detergent, Water Solution | 4 | 1 | 2 | 1 |
| Developing Fluids (Photo) | ? | 2 | 1 | 1 |
| Dexron | 1 | 4 | 2 | 4 |
| Diacetone | 4 | 1 | 4 | 4 |
| Diacetone Alcohol | 4 | 1 | 2 | 4 |

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| Diazinon | ? | 4 | 3 | 4 |
| Dibenzyl Ether | ? | 2 | 4 | ? |
| Dibenzyl Sebacate | 4 | 2 | 4 | 3 |
| Dibromoethyl Benzene | 4 | 4 | 4 | 4 |
| Dibutylamine | 4 | 4 | 3 | 3 |
| Dibutyl Ether | 3 | 3 | 4 | 4 |
| Dibutyl Phthalate | 4 | 3 | 4 | 2 |
| Dibutyl Sebacate | 4 | 2 | 4 | 2 |
| O-Dichlorobenzene | 4 | 4 | 4 | 4 |
| P-Dichlorobenzene- | 4 | 4 | 4 | 4 |
| Dichloro-Butane | 4 | 4 | 4 | 4 |
| Dichloro-Isopropyl Ether | 3 | 4 | 4 | 4 |
| Dicyclohexylamine | 4 | 4 | 4 | ? |
| DieselOil | 1 | 4 | 3 | 4 |
| Di-ester Lubricant MIL-L-7808 | 2 | 4 | 4 | 4 |
| Di-ester Synthetic Lubricants | 2 | 4 | 4 | 4 |
| Diethylamine | 4 | 2 | 2 | 2 |
| Diethyl Ether | 3 | 4 | 3 | 4 |
| Diethyl Sebacate | 4 | 2 | 4 | 2 |
| Diethylene Glycol | 2 | 1 | 1 | 2 |
| Difluorodibromomethane | 4 | 2 | 4 | 4 |
| Diisobutylene | 4 | 4 | 4 | 4 |
| Diisobutyl Ketone | ? | 1 | ? | ? |
| Diisooctyl Sebacate | 4 | 4 | 4 | 3 |
| Diisopropyl Ketone | 4 | 1 | 4 | 4 |
| Dimethyl Formamide (DMF) | 4 | 2 | 3 | 2 |
| Dimethyl Phthalate | 4 | 2 | 4 | ? |
| Dinitro Toluene | 4 | 4 | 4 | 4 |
| Dioctyl Phthalate | 4 | 2 | 4 | 3 |
| Dioctyl Sebacate | 4 | 2 | 4 | 3 |

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| Dioxane | 4 | 2 | 4 | 4 |
| Dioxolane | 4 | 3 | 4 | 4 |
| Dipentene | 4 | 4 | 4 | 4 |
| Diphenyl | 4 | 4 | 4 | 4 |
| DiphenylOxides | 4 | 4 | 4 | 3 |
| Dow Chemical 50-4 | ? | 2 | 2 | ? |
| Dow Chemical ET378 | 3 | 4 | 4 | 4 |
| Dow Chemical ET588 | ? | 2 | 2 | ? |
| Dow Corning -3 | 1 | 1 | 1 | 2 |
| Dow Corning -4 | 1 | 1 | 1 | 2 |
| Dow Corning -5 | 1 | 1 | 1 | 3 |
| Dow Corning -1 1 | 1 | 1 | 1 | 2 |
| Dow Corning -33 | 1 | 1 | 1 | 3 |
| Dow Corning -44 | 1 | 1 | 1 | 3 |
| Dow Corning -55 | 1 | 1 | 1 | 3 |
| Dow Corning -200 | 1 | 1 | 1 | 3 |
| Dow Corning -510 | 1 | 1 | 1 | 3 |
| Dow Corning -550 | 1 | 1 | 1 | 3 |
| Dow Corning -704 | 1 | 1 | 1 | 3 |
| Dow Corning -705 | 1 | 1 | 1 | 3 |
| Dow Corning -710 | 1 | 1 | 1 | 3 |
| Dow Corning -1265 Fluorosilicone Fluid | 1 | 1 | 1 | 1 |
| Dow Guard | 3 | 1 | 1 | 1 |
| Dowtherm, A | 4 | 4 | 4 | 4 |
| Dowtherm, E | 4 | 4 | 4 | 4 |
| Dowtherm, 209 | ? | 2 | 2 | 3 |
| Drinking Water | 4 | 1 | 2 | 1 |
| Dry Cleaning Fluids | 4 | 4 | 4 | 4 |
| DTE named series, Mobil, light-heavy | ? | 4 | 2 | 3 |
| DTE 20 Series, Mobil | 2 | 4 | 1 | 4 |

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| Elco 28-EP lubricant | 1 | 4 | 3 | 2 |
| Epichlorohydrin | 4 | 2 | 4 | 4 |
| Epoxy Resins | ? | 1 | 1 | ? |
| Esam-6 Fluid | ? | 2 | 2 | ? |
| Esso Fuel 208 | 1 | 4 | 2 | 4 |
| Esso Golden Gasoline | 4 | 4 | 4 | 4 |
| Esso Motor Oil | 1 | 4 | 3 | 4 |
| Esso Transmission fluid (Type A) | 1 | 4 | 2 | 4 |
| Esso W52812 (MIL-L-7808A) | 2 | 4 | 4 | 4 |
| Esso XP90-EP lubricant | 1 | 4 | 2 | 4 |
| Esstic 42, 43 | 1 | 4 | 2 | 4 |
| Ethane | 1 | 4 | 2 | 4 |
| Ethanol | 4 | 1 | 1 | 2 |
| Ethanol Amine | 4 | 2 | 2 | 2 |
| Ethers | 3 | 4 | 4 | 4 |
| Ethyl Acetate-Organic ester | 4 | 2 | 4 | 2 |
| Ethyl Acetoacetate | 4 | 2 | 4 | 2 |
| Ethyl Acrylate | 4 | 2 | 4 | 2 |
| Ethylacrylic Acid | 4 | 2 | 2 | 4 |
| Ethyl Alcohol | 4 | 1 | 1 | 2 |
| Ethyl Benzene | 4 | 4 | 4 | 4 |
| Ethyl Benzoate | 4 | 4 | 4 | 4 |
| Ethyl Bromide | ? | 4 | 4 | ? |
| Ethyl Cellosolve | 4 | 2 | 4 | 4 |
| Ethyl Cellulose | 4 | 2 | 2 | 2 |
| Ethyl Chloride | 3 | 4 | 4 | 4 |
| Ethyl Chlorocarbonate | 4 | 4 | 4 | 4 |
| Ethyl Chloroformate | 4 | 3 | 4 | 4 |
| Ethylcyclopentane | 2 | 4 | 3 | 4 |
| Ethylene Chloride | 4 | 4 | 4 | 4 |

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|---|--------------------|----------------------------|---------------------|-----------------------------|
| | NBR -30 – 100°C | FPM – Viton -15 – 200°C | EPDM -45 – 130°C | MVQ-Silicone -55 – 200°C |
| Ethylene Chlorohydrin | 4 | 2 | 2 | 3 |
| Ethylene Diamine | 4 | 1 | 1 | 1 |
| Ethylene Dibromide | 4 | 3 | 4 | 4 |
| Ethylene Dichloride | 4 | 3 | 4 | 4 |
| Ethyl Ether | 4 | 3 | 4 | 4 |
| Ethyl Formate | ? | 2 | 2 | ? |
| Ethylene Glycol | 4 | 1 | 1 | 1 |
| Ethylene Oxide | 4 | 3 | 4 | 4 |
| Ethylene Oxide, (12%) and Freon 12 (80%) | 4 | 2 | 4 | 4 |
| Ethylene Trichloride | 4 | 3 | 4 | 4 |
| Ethyl Hexanol | 4 | 1 | 1 | 2 |
| Ethyl Mercaptan | ? | 4 | 3 | 3 |
| Ethylmorpholene Stannous Octotatate (50/50 mixture) | ? | 2 | ? | ? |
| EthylOxalate | 4 | 4 | 4 | 4 |
| Ethyl Pentachlorobenzene | 4 | 4 | 4 | 4 |
| Ethyl Silicate | ? | 1 | 1 | ? |
| F-60 Fluid (Dow Corning) | 1 | 1 | 1 | 4 |
| F-61 Fluid (Dow Corning) | 1 | 1 | 1 | 4 |
| Fatty Acids | ? | 3 | 2 | 3 |
| FC-43 Heptacosofluorotri-butylamine | ? | 1 | 1 | 1 |
| FC75 & FC77 (Fluorocarbon) | ? | 1 | 1 | 1 |
| Ferric Chloride | 1 | 1 | 2 | 2 |
| Ferric Nitrate | 1 | 1 | 1 | 2 |
| Fisher Reagent | ? | ? | ? | ? |
| Fluorolube | ? | 1 | 1 | 1 |
| Formaldehyde | 4 | 2 | 3 | 2 |
| Freon, 11 | 4 | 4 | 4 | 4 |
| Freon, 12 | ? | 3 | 1 | 4 |
| Freon, 12 and ASTM Oil #2(50/50 Mixture) | ? | 4 | 3 | 4 |
| Freon, 12 and Suniso 4G(50/50 Mixture) | ? | 4 | 3 | 4 |

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| Freon, 13 | ? | 1 | 1 | 4 |
| Freon, 13B1 | ? | 1 | 1 | 4 |
| Freon, 14 | ? | 1 | 1 | 4 |
| Freon, 21 | ? | 4 | 3 | 4 |
| Freon, 22 | 2 | 3 | 1 | 4 |
| Freon, 22 and ASTM Oil #2(50/50 Mixture) | 2 | 4 | 2 | 4 |
| Freon, 31 | ? | 1 | 1 | ? |
| Freon, 32 | ? | 1 | 1 | ? |
| Freon, 112 | ? | 4 | 2 | 4 |
| Freon, 113 | ? | 4 | 1 | 4 |
| Freon, 114 | ? | 1 | 1 | 4 |
| Freon, 114B2 | ? | 4 | 2 | 4 |
| Freon, 115, 116 | ? | 1 | 1 | ? |
| Freon, 502 | ? | 1 | 1 | ? |
| Freon, BF | ? | 4 | 2 | 4 |
| Freon, C318 | ? | 1 | 1 | ? |
| Freon, K-152a | ? | 1 | 1 | ? |
| Freon, K-142b | ? | 1 | 1 | ? |
| Freon, MF | ? | 4 | 4 | 4 |
| Freon, PCA | ? | 4 | 1 | 4 |
| Freon, TF | ? | 4 | 1 | 4 |
| Fuel Oil, 1 and 2 | 1 | 4 | 2 | 4 |
| Fuel Oil, Acidic | 1 | 4 | 2 | 1 |
| Fuel Oil, #6 | 1 | 4 | 4 | 1 |
| Fumaric Acid | 4 | 4 | 2 | 2 |
| Fuming Sulphuric Acid (20/25% Oleum) | 4 | 4 | 4 | 4 |
| Furan (Furfuran) | 4 | 4 | 4 | ? |
| Furfural | 4 | 2 | 4 | 4 |
| Furfuraldehyde | 4 | 2 | 4 | 4 |
| Furfuryl Alcoho) | 4 | 2 | 4 | 4 |

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| Furyl Carbinol | 4 | 2 | 4 | 4 |
| Fyrquel 150, 220, 300, 550 | 4 | 1 | 4 | 1 |
| Gallic Acid | 4 | 2 | 2 | ? |
| Gasoline | 4 | 4 | 4 | 4 |
| Gelatin | 4 | 1 | 1 | 1 |
| Girling Brake Fluid | ? | 2 | 2 | ? |
| Glacial Acetic Acid | 4 | 2 | 4 | 2 |
| Glauber's Salt | 4 | 2 | 2 | ? |
| Glucose | ? | 1 | 1 | 1 |
| Glycerine - Glycerol | 4 | 1 | 1 | 1 |
| Glycols | 4 | 1 | 1 | 1 |
| Grease, Petroleum Base | 1 | 4 | 3 | 4 |
| Green Sulphate Liquor | 4 | 1 | 2 | ? |
| Gulfcrown Grease | 1 | 4 | 2 | 4 |
| Gulf Endurance Oils | 1 | 4 | 2 | 4 |
| Gulf FR Fluids (Emulsion) | 1 | 4 | 2 | 4 |
| Gulf FR G-Fluids | 4 | 1 | 1 | 1 |
| Gulf FR P-Fluids | 4 | 2 | 4 | 1 |
| Gulf Harmony Oils | 1 | 4 | 2 | 4 |
| Gulf High Temperature Grease | 1 | 4 | 2 | 4 |
| Gulf Legion Oils | 1 | 4 | 2 | 4 |
| Gulf Paramount Oils | 1 | 4 | 2 | 4 |
| Gulf Security Oils | 1 | 4 | 2 | 4 |
| Halothane | 4 | 4 | 4 | 4 |
| Halowax Oil | ? | 4 | 4 | 4 |
| Hannifin Lube A | 1 | 4 | 1 | 2 |
| Heavy Water | 4 | 1 | 2 | 1 |
| HEF-2 (High Energy Fuel) | 4 | 4 | 4 | 4 |
| Helium | 1 | 1 | 1 | 1 |
| N-Heptane | 1 | 4 | 2 | 4 |

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| N-Hexaldehyde | ? | 2 | 1 | 2 |
| N-Hexane | 1 | 4 | 2 | 4 |
| N-Hexane-1 | 1 | 4 | 2 | 4 |
| Hexyl Alcohol | 4 | 3 | 2 | 2 |
| High Viscosity Lubricant, U4 | 4 | 1 | 2 | 1 |
| High Viscosity Lubricant, H2 | 4 | 1 | 2 | 1 |
| HiLo MS #1 | 4 | 2 | 4 | 3 |
| HoughtoSafe 271 (Water& Glycol Base) | 4 | 2 | 2 | 2 |
| HoughtoSafe 416 & 500 Series | ? | ? | ? | ? |
| HoughtoSafe 620 Water/Glycol | 4 | 2 | 2 | 2 |
| HoughtoSafe 1010, phosphate ester | 4 | 1 | 4 | 3 |
| HoughtoSafe 1055, phosphate ester | 4 | 1 | 4 | 3 |
| HoughtoSafe 1120. phosphate ester | 4 | 1 | 4 | 3 |
| HoughtoSafe 5040 (water/Oil emulsion) | 4 | 4 | 2 | 3 |
| Hydraulic Oil, Petroleum Base, Industrial | 1 | 4 | 2 | 2 |
| Hydrazine | ? | 1 | 2 | 2 |
| Hydrobromic Acid | 4 | 1 | 4 | 4 |
| Hydrobromic Acid 40% | 4 | 1 | 2 | 4 |
| Hydrocarbons, Saturated | 1 | 4 | 2 | 4 |
| Hydrochloric Acid, 3 Molar to 158F | 3 | 1 | 2 | 4 |
| Hydrochloric Acid, Concentrated Room Temp. | ? | ? | ? | ? |
| Hydrochloric Acid, Concentrated to 158F | 4 | 4 | 4 | 4 |
| Hydrocyanic Acid | 4 | 1 | 2 | 3 |
| Hydro-Drive, MIH-50 (Petroleum Base) | 1 | 4 | 2 | 2 |
| Hydro-Drive, MIH-10 (Petroleum Base) | 1 | 4 | 2 | 2 |
| Hydrofluosilicic Acid | ? | 1 | 2 | 4 |
| Hydrogen Gas, Cold | 2 | 1 | 1 | 3 |
| Hydrogen Gas, Hot | 2 | 1 | 1 | 3 |
| Hydrogen Peroxide (4) | 4 | 1 | 1 | 1 |
| Hydrogen Peroxide 90% (4) | 4 | 3 | 4 | 2 |

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| Hydrogen Sulfide Dry, Cold | 4 | 1 | 1 | 3 |
| Hydrogen Sulfide Dry, Hot | 4 | 1 | 2 | 3 |
| Hydrogen Sulfide Wet, Cold | 4 | 1 | 1 | 3 |
| Hydrogen Sulfide Wet, Hot | 4 | 1 | 2 | 3 |
| Hydrolube-Water/Ethylene Glycol | 4 | 2 | 2 | 2 |
| Hydroquinone | 4 | 4 | 4 | ? |
| Hydyne | 4 | 2 | 2 | 4 |
| Hyjet IV and IVA | 4 | 2 | 4 | 4 |
| Hypochlorous Acid | 4 | 2 | 4 | ? |
| H2S (See Hydrogen Sulfide) | | | | |
| Industron FF44 | 1 | 4 | 2 | 4 |
| Industron FF48 | 1 | 4 | 2 | 4 |
| Industron FF53 | 1 | 4 | 2 | 4 |
| Industron FF80 | 1 | 4 | 2 | 4 |
| Iodine | ? | 2 | 4 | ? |
| Iodine Pentafluoride | 4 | 4 | 4 | 4 |
| Isobutyl Alcohol | 4 | 1 | 1 | 1 |
| Iso-Butyl N-Butyrate | 4 | 1 | 4 | ? |
| Isododecane | 4 | 4 | 2 | 4 |
| Iso Octane | 1 | 4 | 2 | 4 |
| Isophorone (Ketone) | 4 | 2 | 4 | 4 |
| Isopropanol | 4 | 1 | 2 | 1 |
| Isopropyl Acetate | 4 | 2 | 4 | 4 |
| Isopropyl Alcohol | 4 | 1 | 2 | 1 |
| Isopropyl Chloride | 4 | 4 | 4 | 4 |
| Isopropyl Ether | 3 | 4 | 3 | 4 |
| JP-4 (MIL-T-5624) | 2 | 4 | 4 | 4 |
| J P-5 (MIL-T-5624) | 2 | 4 | 4 | 4 |
| JP-6 (MIL-J-25656) | 2 | 4 | 4 | 4 |
| J P-8 (MIL-T-83133) | 1 | 4 | 3 | 4 |

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| J P-9 (MIL-F-81912) | 4 | 4 | 4 | 4 |
| JP-9 -1 1 | 4 | 4 | 4 | 4 |
| JP-10 | 4 | 4 | 4 | 4 |
| Kel F Liquids | ? | 1 | ? | 1 |
| Kerosene (Similar to RP-1 and JP-1) | 1 | 4 | 2 | 4 |
| Keystone #87HX-Grease | 1 | 4 | 4 | 4 |
| Lactams-Amino Acids | ? | 2 | 2 | ? |
| Lactic Acid, Cold | 4 | 1 | 1 | 1 |
| Lactic Acid, Hot | 4 | 4 | 4 | 2 |
| Lactones (Cyclic Esters) | 4 | 2 | 4 | 2 |
| Lacquers | 4 | 4 | 4 | 4 |
| Lacquer Solvents | 4 | 4 | 4 | 4 |
| Lard, Animal Fat | 1 | 2 | 2 | 2 |
| Lead Acetate | 4 | 1 | 2 | 4 |
| Lead Nitrate | ? | 1 | 1 | 2 |
| Lead Sulphamate | 4 | 1 | 1 | 2 |
| Lehigh X1169 | 1 | 4 | 2 | 4 |
| Lehigh X1170 | 1 | 4 | 2 | 4 |
| Ligroin (Petroleum Ether or Benzine) | 1 | 4 | 2 | 4 |
| Lindol, Hydraulii Fluid(Phosphate ester type) | 4 | 1 | 4 | 3 |
| Linoleic Acid | ? | 4 | 2 | 2 |
| Linseed Oil | 1 | 3 | 3 | 1 |
| Liquid Oxygen (LOX) | 4 | 4 | 4 | 4 |
| Liquid Petroleum Gas (LPG) | 3 | 4 | 2 | 3 |
| Liquimoly | 1 | 4 | 2 | 4 |
| Lubricating Oils, Di-ester | 2 | 4 | 3 | 4 |
| Lubricating Oils, petroleum base | 1 | 4 | 2 | 4 |
| Lubricating Oils, SAE 10, 20, 30, 40, 50 | 1 | 4 | 2 | 4 |
| Lye Solutions | 4 | 1 | 2 | 2 |
| Magnesium Chloride | ? | 1 | 1 | 1 |

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| Magnesium Hydroxide | 4 | 1 | 2 | ? |
| Magnesium Sulphite and Sulphate | 4 | 1 | 1 | 1 |
| Magnesium Salts | 1 | 1 | 1 | 1 |
| Malathion | ? | 4 | ? | 4 |
| Maleic Acid | 4 | 4 | 4 | ? |
| Maleic Anhydride | 4 | 2 | 4 | ? |
| Malic Acid | 4 | 4 | 2 | 2 |
| MCS 312 | 4 | 4 | 4 | 1 |
| MCS 352 | 4 | 2 | 4 | 3 |
| MCS 463 | 4 | 2 | 4 | 3 |
| Mercuric Chloride | ? | 1 | 1 | ? |
| Mercury | ? | 1 | 1 | ? |
| Mercury Vapors | ? | 1 | 1 | ? |
| Mesityl Oxide (Ketone) | 4 | 2 | 4 | 4 |
| Methane | 1 | 4 | 2 | 4 |
| Methanol | 4 | 1 | 1 | 1 |
| Methyl Acetate | 4 | 2 | 2 | 4 |
| Methyl Acetoacetate | 4 | 2 | 4 | 2 |
| Methyl Acrylate | 4 | 2 | 2 | 4 |
| Methylacrylic Acid | 4 | 2 | 2 | 4 |
| Methyl Alcohol | 4 | 1 | 1 | 1 |
| Methyl Benzoate | 4 | 4 | 4 | 4 |
| Methyl Bromide | 3 | 4 | 4 | ? |
| Methyl Butyl Ketone | 4 | 1 | 4 | 4 |
| Methyl Carbonate | 4 | 4 | 4 | 4 |
| Methyl Cellosolve | 4 | 2 | 3 | 4 |
| Methyl Cellulose | 4 | 2 | 2 | 2 |
| Methyl Chloride | 4 | 3 | 4 | 4 |
| Methyl Chloroformate | 4 | 4 | 4 | 4 |
| Methylcyclopentane | 4 | 4 | 4 | 4 |

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| Methylene Chloride | 4 | 4 | 4 | 4 |
| Methyl Ether | 4 | 4 | 3 | 1 |
| Methyl Ethyl Ketone (MEK) | 4 | 1 | 4 | 4 |
| Methyl Ethyl Ketone Peroxide | 4 | 4 | 4 | 2 |
| Methyl Formate | ? | 2 | 2 | ? |
| Methyl Isobutyl Ketone (MIBK) | 4 | 3 | 4 | 4 |
| Methyl Isopropyl Ketone | 4 | 2 | 4 | 4 |
| Methyl Mercaptan | ? | 1 | ? | ? |
| Methyl Methacrylate | 4 | 4 | 4 | 4 |
| N-Methyl-2-Pyrrolidone | ? | ? | ? | ? |
| MethylOleate | ? | 2 | 4 | ? |
| Methyl Salicylate | ? | 2 | 4 | ? |
| MIL-L-2104 | 1 | 4 | 2 | 4 |
| MIL-S-3136 Type I Fuel | 1 | 4 | 2 | 4 |
| MIL-S-3136 Type II Fuel | 3 | 4 | 4 | 4 |
| MIL-S-3136 Type III Fuel | 3 | 4 | 4 | 4 |
| MIL-S-3136 Type IV Oil, Low Swell | 1 | 4 | 1 | 3 |
| MIL-S-3136 Type V Oil, Medium Swell | 1 | 4 | 2 | 2 |
| MIL-S-3136 Type IV Oil, High Swell | 1 | 4 | 4 | 2 |
| MIL-L-3150 | 2 | 4 | 2 | 4 |
| MIL-G-3278 | 1 | 4 | 4 | 4 |
| MIL-O-3503 | 2 | 4 | 2 | 4 |
| MIL-G-3545 | 1 | 4 | 2 | 4 |
| MIL-C-4339 | 1 | 4 | 4 | 3 |
| MIL-G-4343 | 1 | 3 | 2 | 3 |
| MIL-J-5161 | 1 | 4 | 4 | 4 |
| MIL-F-5566 | 4 | 1 | 2 | 1 |
| MIL-G-5572 | 2 | 4 | 4 | 4 |
| MIL-H-5606 | 2 | 4 | 2 | 4 |
| MIL-T-5624 J P-4, J P-5 | 2 | 4 | 4 | 4 |

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| MIL-L-6081 | 1 | 4 | 2 | 4 |
| MIL-L-6082 | 1 | 4 | 2 | 3 |
| MIL-H-6083 | 1 | 4 | 1 | 4 |
| MIL-L-6085 | 2 | 4 | 4 | 4 |
| MIL-A-6091 | 4 | 1 | 1 | 1 |
| MIL-L-6387 | 2 | 4 | 4 | 4 |
| MIL-C-7024 | 2 | 4 | 2 | 4 |
| MIL-H-7083 | 4 | 1 | 2 | 1 |
| MIL-G-71 18 | 3 | 4 | 2 | 4 |
| MIL-G-7187 | 1 | 4 | 4 | 4 |
| MIL-G-7421 | 4 | 4 | 2 | 4 |
| MIL-G-771 1 | 2 | 4 | 4 | 2 |
| MIL-L-7808 | 2 | 4 | 4 | 4 |
| MIL-L-7870 | 1 | 4 | 2 | 4 |
| MIL-C-8188 | 3 | 4 | 4 | 4 |
| MIL-H-8446 (MLO-8515) | 3 | 4 | 1 | 4 |
| MIL-L-9000 | 1 | 4 | 2 | 4 |
| MIL-L-9236 | 2 | 4 | 4 | 4 |
| MIL-E-9500 | 4 | 1 | 1 | 1 |
| MIL-G-10924 | 2 | 4 | 2 | 4 |
| MIL-H-13910 | 2 | 1 | 1 | 4 |
| MIL-L-15016 | 1 | 4 | 2 | 4 |
| MIL-L-15017 | 1 | 4 | 2 | 4 |
| MIL-G-15793 | 1 | 4 | 2 | 4 |
| MIL-F-16884 | 1 | 4 | 3 | 4 |
| MIL-F-1711 1 | 1 | 4 | 2 | 4 |
| MIL-L-17331 | ? | 4 | ? | 4 |
| MIL-H-19457 | 4 | 1 | 4 | 3 |
| MIL-L-21260 | 1 | 4 | 2 | 4 |
| MIL-G-21568 | 1 | 1 | 1 | 4 |

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| MIL-H-22251 | ? | 1 | 2 | 4 |
| MIL-L-23699 | 3 | 4 | 3 | 4 |
| MIL-G-25013 | 1 | 1 | 2 | 4 |
| MIL-G-25537 | 2 | 4 | 2 | 4 |
| MIL-F-25558 (RJ-1) | 1 | 4 | 2 | 4 |
| MIL-R-25576 (RP-1) | 1 | 4 | 2 | 4 |
| MIL-F-25656 | 2 | 4 | 4 | 4 |
| MIL-L-25681 | 2 | 1 | 2 | 4 |
| MIL-G-25760 | 2 | 4 | 2 | 4 |
| MIL-P-27402 | ? | 1 | 2 | 4 |
| MIL-H-27601 | 1 | 4 | 2 | 4 |
| MIL-H-46170 | 2 | 4 | 2 | 4 |
| MIL-S-81087 | 1 | 1 | 1 | 3 |
| MIL-F-81912 (J P-9) | 4 | 4 | 4 | 4 |
| MIL-F-82522 (RJ-4) | 1 | 4 | 4 | 4 |
| MIL-T-83133 | 1 | 4 | 3 | 4 |
| Milk | 4 | 1 | 1 | 1 |
| MineralOils | 1 | 3 | 2 | 2 |
| MLO-7277 Hydr. | 3 | 4 | 4 | 4 |
| MLO-7557 | 3 | 4 | 4 | 4 |
| MLO-8200 Hydr. | ? | 4 | 1 | 4 |
| MLO-8515 | 3 | 4 | 1 | 4 |
| Mobil SHC 500 Series | 1 | 4 | 2 | 2 |
| Mobil SHC 600 Series | 1 | 4 | 2 | 3 |
| Mobilgear 600 Series | 1 | 3 | 1 | 1 |
| Mobilgear SHC ISO Series | 1 | 3 | 2 | 1 |
| Mobilgrease HP | 1 | 4 | 2 | 2 |
| Mobilgrease HTS | 1 | 4 | 2 | 2 |
| Mobilgrease SM | 1 | 4 | 2 | 2 |
| Mobilith SHC Series | 1 | 4 | 3 | 2 |

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| Mobilith AW Series | 1 | 4 | 2 | 2 |
| Mobilmistlube Series | 1 | 3 | 1 | 1 |
| Mono Bromobenzene | 4 | 4 | 4 | 4 |
| Monochlorobenzene | 4 | 4 | 4 | 4 |
| Mono Ethanolamine | 4 | 2 | 4 | 2 |
| Monomethylaniline | 4 | 2 | 4 | ? |
| Monomethyl Hydrazine | ? | 1 | 2 | 4 |
| Monoitrotoluene & Dinitrotoluene(40/60 Mixture) | 4 | 4 | 4 | 4 |
| Monovinyl Acetylene | ? | 1 | 2 | 2 |
| Mopar Brake Fluid | ? | 2 | 2 | 3 |
| Naptha | 2 | 4 | 4 | 4 |
| Naphthalene | ? | 4 | 4 | 4 |
| Naphthenic Acid | ? | 4 | 4 | 4 |
| Natural Gas | 2 | 4 | 1 | 4 |
| Neatsfoot Oil | 1 | 2 | 4 | 2 |
| Neon | 1 | 1 | 1 | 1 |
| Neville Acid | 4 | 2 | 4 | 4 |
| Nickel Acetate | 4 | 1 | 2 | 4 |
| Nickel Chloride | 3 | 1 | 2 | 1 |
| Nickel Salts | 3 | 1 | 2 | 1 |
| Nickel Sulfate | 4 | 1 | 1 | 1 |
| Niter Cake | 4 | 1 | 1 | 1 |
| Nitric Acid 3 Molar to 158F(4) | 4 | 2 | 4 | 4 |
| Nitric Acid Concentrated Room Temp.(4) | ? | ? | ? | ? |
| Nitric Acid Concentrated to 158F(4) | 4 | 4 | 4 | 4 |
| Nitrobenzene | 4 | 1 | 4 | 4 |
| Nitroethane | 4 | 2 | 2 | 4 |
| Nitrogen | 1 | 1 | 1 | 1 |
| Nitrogen Tetroxide (N2O4)(4) | 4 | 2 | 4 | 4 |
| Nitromethane | 4 | 2 | 3 | 4 |

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|------------------------------|--------------------|----------------------------|---------------------|-----------------------------|
| | NBR -30 – 100°C | FPM – Viton -15 – 200°C | EPDM -45 – 130°C | MVQ-Silicone -55 – 200°C |
| Nitropropane | 4 | 2 | 4 | 4 |
| Nitrous Oxide | ? | ? | ? | 1 |
| Noryl GE Phenolic | ? | ? | ? | ? |
| Nyvac FR200, Mobil | ? | 4 | 2 | ? |
| Octachloro Toluene | 4 | 4 | 4 | 4 |
| Octadecane | 2 | 4 | 2 | 4 |
| N-Octane | 4 | 4 | 4 | 4 |
| Octyl Alcohol | 4 | 2 | 2 | 2 |
| Oleic Acid | 4 | 4 | 4 | 4 |
| Oleum (Fuming Sulfuric Acid) | 4 | 4 | 4 | 4 |
| Oleum Spirits | ? | 4 | 3 | 4 |
| Olive Oil | 1 | 2 | 2 | 3 |
| Oronite 8200 | ? | 4 | 1 | 4 |
| Oronite 8515 | ? | 4 | 1 | 4 |
| Orthochloro Ethyl Benzene | 4 | 4 | 4 | 4 |
| Ortho-Dichlorobenzene | 4 | 4 | 4 | 4 |
| OS 45 Type III (0545) | ? | 4 | 1 | 4 |
| OS 45 Type IV (0545-1) | ? | 4 | 1 | 4 |
| OS 70 | ? | 4 | 1 | 4 |
| Oxalic Acid | ? | 1 | 2 | 2 |
| Oxygen, Cold(4) | 2 | 1 | 1 | 1 |
| Oxygen, 200-400F (4) | 4 | 4 | 4 | 1 |
| Ozone | 2 | 2 | 2 | 1 |
| Paint Thinner, Duco | 4 | 4 | 4 | 4 |
| Palmitic Acid | ? | 2 | 2 | 4 |
| Para-dichlorobenzene | 4 | 4 | 4 | 4 |
| Par-al-Ketone | 4 | 4 | 4 | 4 |
| Parker O Lube | 1 | 4 | 1 | 2 |
| Peanut Oil | 1 | 3 | 3 | 1 |
| Pentane, 2 Methyl | 1 | 4 | 2 | 4 |

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| | NBR -30 – 100°C | FPM – Viton -15 – 200°C | EPDM -45 – 130°C | MVQ-Silicone -55 – 200°C |
| Pentane, 2-4, dimethyl | 1 | 4 | 2 | 4 |
| Pentane, 3-Methyl | 1 | 4 | 2 | 4 |
| N-Pentane | 1 | 4 | 1 | 4 |
| Perchloric Acid - 2N | 4 | 2 | 2 | 4 |
| Perchloroethylene | 4 | 4 | 4 | 4 |
| Petrolatum | 1 | 4 | 2 | 4 |
| Petroleum Oil, Crude | 1 | 4 | 2 | 4 |
| Petroleum Oil, Below 250F | 2 | 4 | 2 | 2 |
| Petroleum Oil, Above 250F | 4 | 4 | 4 | 4 |
| Phenol | 4 | 4 | 4 | 4 |
| Phenol, 70%/30% H2O | 4 | 4 | 4 | 4 |
| Phenol, 85%/15% H2O | 4 | 4 | 4 | 4 |
| Phenylbenzene | 4 | 4 | 4 | 4 |
| Phenyl Ethyl Ether | 4 | 4 | 4 | 4 |
| Phenylhydrazine | 4 | 4 | 4 | ? |
| Phorone | 4 | 3 | 4 | 4 |
| Phosphates Esters (8) | | | | |
| Phosphoric Acid, 3 Molar to 158F | 3 | 1 | 2 | 2 |
| Phosphoric Acid, Concentrated Room Temp | 2 | 1 | 2 | 3 |
| Phosphoric Acid, Concentrated to 158F | 3 | 1 | 3 | 4 |
| Phosphorous Trichloride | ? | 1 | 4 | ? |
| Pickling Solution | 4 | 3 | 4 | 4 |
| Picric Acid, H2O Solution | ? | 1 | 1 | ? |
| Picric Acid, Molten | ? | 2 | 2 | 4 |
| Pinene | 4 | 4 | 3 | 4 |
| Pine Oil | ? | 4 | 4 | 4 |
| Piperidine | 4 | 4 | 4 | 4 |
| Plating Solutions, Chrome | 4 | 2 | 4 | 2 |
| Plating Solutions, Others | ? | 1 | 4 | 4 |
| Pneumatic Service | 4 | 1 | 1 | 4 |

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| | NBR -30 – 100°C | FPM – Viton -15 – 200°C | EPDM -45 – 130°C | MVQ-Silicone -55 – 200°C |
| Polyvinyl Acetate Emulsion | ? | 1 | 2 | ? |
| Potassium Acetate | 4 | 1 | 2 | 4 |
| Potassium Chloride | 1 | 1 | 1 | 1 |
| Potassium Cupro Cyanide | 1 | 1 | 1 | 1 |
| Potassium Cyanide | 1 | 1 | 1 | 1 |
| Potassium Dichromate | 1 | 1 | 1 | 1 |
| Potassium Hydroxide, 50% | 4 | 1 | 2 | 3 |
| Potassium Nitrate | 1 | 1 | 1 | 1 |
| Potassium Salts | 1 | 1 | 1 | 1 |
| Potassium Sulphate | 4 | 1 | 1 | 1 |
| Potassium Sulfite | 4 | 1 | 1 | 1 |
| Prestone Antifreeze | 4 | 1 | 1 | 1 |
| PRL-High Temp. Hydr. Oil | 1 | 4 | 2 | 2 |
| Producer Gas | 2 | 4 | 2 | 2 |
| Propane | 1 | 4 | 2 | 4 |
| Propyl Acetate | 4 | 2 | 4 | 4 |
| N-Propyl Acetone | 4 | 1 | 4 | 4 |
| Propyl Alcohol | 4 | 1 | 1 | 1 |
| Propylene | 4 | 4 | 4 | 4 |
| Propylene Oxide | 4 | 2 | 4 | 4 |
| Propyl Nitrate | 4 | 2 | 4 | 4 |
| Pyranol, Transformer Oil | 1 | 4 | 2 | 4 |
| Pydraul, 10E | 4 | 1 | 4 | 1 |
| Pydraul, 29ELT 30E, 50E, 65E | 4 | 1 | 4 | 1 |
| Pydraul, 115E | 4 | 1 | 4 | 4 |
| Pydraul, 230C, 312C, 540C, A200 | 4 | 4 | 4 | 4 |
| Pyridine Oil | 4 | 2 | 4 | 4 |
| Pyrogard 53, Mobil Phosphate Ester | 4 | 1 | 4 | 4 |
| Pyrogard D, Mobil Water-in-Oil Emulsion | ? | 4 | 2 | 3 |
| Pyroligneous Acid | 4 | 2 | 2 | ? |

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| | NBR -30 – 100°C | FPM – Viton -15 – 200°C | EPDM -45 – 130°C | MVQ-Silicone -55 – 200°C |
| Pyrolube | 4 | 2 | 4 | 2 |
| Pyrrrole | 4 | 4 | 4 | 2 |
| Radiation (GAMMA, 1 E +07 RADS)(9) | ? | 4 | ? | 2 |
| Red Oil (MIL-H-5606) | 1 | 4 | 2 | 4 |
| Red Line 100 Oil | 1 | 4 | 2 | 4 |
| RJ-1 (MIL-F-25558) | 1 | 4 | 2 | 4 |
| RJ-4 (MIL-F-25558) | 2 | 4 | 4 | 4 |
| RP-1 (MIL-R-25576) | 1 | 4 | 2 | 4 |
| Rapeseed Oil | 2 | 1 | 2 | 4 |
| Sal Ammoniac | 1 | 1 | 1 | 2 |
| Salicylic Acid | ? | 1 | ? | ? |
| Santo Safe 300 | 4 | 3 | 4 | 1 |
| Sea (Salt) Water | 4 | 1 | 2 | 1 |
| Sewage | 4 | 1 | 2 | 1 |
| SF96 GE Silicone Fluid | 1 | 1 | 1 | 4 |
| SF1147 GE Silicone Fluid | ? | 3 | ? | 4 |
| SF1154 GE Silicone Fluid | 1 | 1 | 1 | 4 |
| Shell Alvania Grease #2 | 1 | 4 | 2 | 2 |
| Shell Carnea 19 and 29 | 1 | 4 | 4 | ? |
| Shell Diala | 1 | 4 | 2 | 4 |
| Shell Irus 905 | 1 | 4 | 2 | 4 |
| Shell 3XF Mine Fluid (Fire resist hydr.) | 4 | 4 | 2 | ? |
| Shell Tellus #32 Pet. Base | 1 | 4 | 2 | 4 |
| Shell Tellus #68 | 1 | 4 | 2 | 4 |
| Shell UMF (5% Aromatic) | 1 | 4 | 2 | 4 |
| Shell Lo Hydrax 27 and 29 | 1 | 4 | 2 | 4 |
| Shell Macome 72 | 1 | 4 | 2 | 4 |
| Silicate Esters | ? | 4 | 1 | 4 |
| Silicone Greases | 1 | 1 | 1 | 3 |
| Silicone Oils | 1 | 1 | 1 | 3 |

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| | NBR -30 – 100°C | FPM – Viton -15 – 200°C | EPDM -45 – 130°C | MVQ-Silicone -55 – 200°C |
| Silver Nitrate | 1 | 1 | 1 | 1 |
| Sinclair Opaline CX-EP Lube | 1 | 4 | 2 | 4 |
| Skelly, Solvent B, C, E | ? | 4 | 4 | ? |
| Skydrol 500 B4 | 4 | 2 | 4 | 3 |
| Skydrol LD-4 | 4 | 2 | 4 | 3 |
| Soap Solutions | 4 | 1 | 2 | 1 |
| Socony Mobile Type A | 1 | 4 | 2 | 4 |
| Socony Vacuum AMV AC781 (grease) | 1 | 4 | 2 | 4 |
| Socony Vacuum PD959B | 1 | 4 | 2 | 4 |
| Soda Ash | ? | 1 | 1 | 1 |
| Sodium Acetate | 3 | 1 | 2 | 4 |
| Sodium Bicarbonate (Baking Soda) | ? | 1 | 1 | 1 |
| Sodium Borate | ? | 1 | 1 | 1 |
| Sodium Carbonate (Soda Ash) | ? | 1 | 1 | 1 |
| Sodium Bisulfate or Bisulfite | 4 | 1 | 1 | 1 |
| Sodium Chloride | ? | 1 | 1 | 1 |
| Sodium Cyanide | ? | 1 | 1 | 1 |
| Sodium Hydroxide, 3 Molar | 4 | 1 | 2 | 1 |
| Sodium Hypochlorite | 4 | 1 | 2 | 2 |
| Sodium Metaphosphate | ? | 1 | 2 | ? |
| Sodium Nitrate | ? | 1 | 2 | 4 |
| Sodium Perborate | ? | 1 | 2 | 2 |
| Sodium Peroxide | 4 | 1 | 2 | 4 |
| Sodium Phosphate (Mono) | 1 | 1 | 2 | 4 |
| Sodium Phosphate (Dibasic) | 1 | 1 | 2 | 4 |
| Sodium Phosphate (Tribasic) | 1 | 1 | 2 | 1 |
| Sodium Salts | 1 | 1 | 2 | 1 |
| Sodium Silicate | ? | 1 | 1 | ? |
| Sodium Sulphate | 4 | 1 | 1 | 1 |
| Sodium Sulphide and Sulfite | 4 | 1 | 1 | 1 |

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| Sodium Thiosulfate | 4 | 1 | 1 | 1 |
| Sour Crude Oil | 4 | 4 | 4 | 4 |
| Sour Natural Gas | 4 | 4 | 4 | 4 |
| Sovasol No. 1, 2 and 3 | 2 | 4 | 2 | 4 |
| Sovasol No. 73 and 74 | 2 | 4 | 2 | 4 |
| Soybean Oil | 1 | 3 | 3 | 1 |
| Spry | 1 | 2 | 2 | 1 |
| SR-6 Fuel | 2 | 4 | 4 | 4 |
| SR-10 Fuel | 2 | 4 | 4 | 4 |
| Standard Oil Mobilube GX90-EP Lube | 1 | 4 | 2 | 4 |
| Stannic Chloride | ? | 1 | 4 | 2 |
| Stannic Chloride 50% | ? | 1 | 4 | 2 |
| Stannous Chloride (15%) | ? | 1 | 1 | 2 |
| Stauffer 7700 | 2 | 4 | 4 | 4 |
| Steam, Below 400F | 4 | 2 | 4 | 3 |
| Steam, 400 - 500F | 4 | 4 | 4 | 4 |
| Steam, Above 500F | | | | |
| Stearic Acid | ? | 2 | 2 | 2 |
| Stoddard Solvent | 1 | 4 | 2 | 4 |
| Styrene (Monomer) | 4 | 4 | 4 | 4 |
| Sucrose Solutions | 4 | 1 | 2 | 1 |
| Sulfur Liquors | 4 | 2 | 2 | 4 |
| Sulfur | 4 | 1 | 1 | ? |
| Sulfur Molten | 4 | 3 | 3 | 3 |
| Sulfur Chloride | 4 | 4 | 4 | 3 |
| Sulfur Dioxide, Wet | 4 | 1 | 2 | 2 |
| Sulfur Dioxide, Dry | 4 | 2 | 4 | 2 |
| Sulfur Dioxide, Liquidified under pressure | 4 | 2 | 4 | 2 |
| Sulfuric Acid, 3 Molar to 158F | 2 | 1 | 2 | 1 |
| Sulfuric Acid, Concentrated, Room Temp | ? | ? | ? | ? |

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| Sulfuric Acid, Concentrated to 158F | 4 | 4 | 4 | 4 |
| Sulfurous Acid | 4 | 2 | 2 | 4 |
| Sulfur Trioxide, Dry | 4 | 2 | 4 | 2 |
| Sunoco SAE 10 | 1 | 4 | 2 | 4 |
| Sunoco #3661 | 1 | 4 | 2 | 4 |
| Sunoco All purpose grease | 1 | 4 | 2 | 4 |
| Sunsafe (Fire resist. hydr. fluid) | 4 | 4 | 2 | ? |
| Super Shell Gas | 2 | 4 | 2 | 4 |
| Swan Finch EP Lube | 1 | 4 | 4 | 4 |
| Swan Finch Hypoid-90 | 1 | 4 | 2 | 4 |
| Tannic Acid (10%) | 4 | 1 | 1 | 2 |
| Tar, bituminous | 4 | 4 | 3 | 2 |
| Tartaric Acid | ? | 2 | 2 | 1 |
| Terpineol | ? | 3 | 4 | ? |
| Tertiary Butyl Alcohol | 4 | 2 | 2 | 2 |
| P-Tertiary Butyl Catechol | 4 | 2 | 2 | ? |
| Tertiary Butyl Mercaptan | 4 | 4 | 4 | 4 |
| Tetrabromoethane | 4 | 4 | 4 | 4 |
| Tetrabutyl Titanate | ? | 2 | 2 | 4 |
| Tetrachoroethane | 4 | 4 | 4 | ? |
| Tetrachloroethylene | 4 | 4 | 4 | 4 |
| Tetraethyl Lead | ? | 4 | 2 | ? |
| Tetraethyl Lead "Blend" | ? | 4 | 4 | ? |
| Tetrahydrofuran | 4 | 2 | 4 | 4 |
| Tetralin | ? | 4 | 4 | 4 |
| Texaco 3450 Gear Oil | 1 | 4 | 4 | 4 |
| Texaco Capella A and AA | 1 | 4 | 2 | 4 |
| Texaco Meropa 220 (No Lead) | 1 | 4 | 2 | 4 |
| Texaco Regal B | 1 | 4 | 4 | 4 |
| Texaco Uni-Temp, Grease | 1 | 4 | 2 | 2 |

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| | NBR -30 – 100°C | FPM – Viton -15 – 200°C | EPDM -45 – 130°C | MVQ-Silicone -55 – 200°C |
| Texamatic "A" Transmission Oil | 1 | 4 | 2 | 4 |
| Texamatic "A" 1581 Fluid | 1 | 4 | 2 | 4 |
| Texamatic "A" 3401 Fluid | 1 | 4 | 2 | 4 |
| Texamatic "A" 3525 Fluid | 1 | 4 | 2 | 4 |
| Texamatic "A" 3528 Fluid | 1 | 4 | 2 | 4 |
| Texas 1500 Oil | 1 | 4 | 2 | 2 |
| Therminol VP-1, 60, 65 | 4 | 4 | 4 | 2 |
| Therminol44 | 4 | 4 | 4 | 4 |
| Therminol55 | 2 | 4 | 4 | 4 |
| Thiokol TP-90B | ? | 1 | 2 | ? |
| Thiokol TP-95 | ? | 1 | 2 | ? |
| Tidewater Oil-Beedol | 1 | 4 | 2 | 2 |
| Tidewater Multigear 140, EP Lube | 1 | 4 | 2 | 4 |
| Titanium Tetrachloride | 4 | 4 | 4 | 4 |
| Toluene | 4 | 4 | 4 | 4 |
| Toluene Diisocyanate | 4 | 2 | 4 | 4 |
| Transformer Oil | 2 | 4 | 2 | 2 |
| Transmission Fluid Type A | 1 | 4 | 2 | 2 |
| Triacetin | 4 | 1 | 2 | ? |
| Triaryl Phosphate | 4 | 1 | 4 | 3 |
| Tributoxyethyl Phosphate | 4 | 1 | 4 | ? |
| Tributyl Mercaptan | 4 | 4 | 4 | 4 |
| Tributyl Phosphate | 4 | 2 | 4 | 4 |
| Trichloroacetic Acid | 4 | 2 | 4 | ? |
| Trichloroethane | 4 | 4 | 4 | 4 |
| Trichloroethylene | 4 | 4 | 4 | 4 |
| Tricresyl Phosphate | 4 | 1 | 3 | 3 |
| Triethanol Amine | 4 | 2 | 2 | ? |
| Trifluoroethane | 4 | 4 | 4 | 4 |
| Trinitrotoluene | 4 | 4 | 2 | ? |

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| Trioctyl Phosphate | 4 | 1 | 4 | 3 |
| Tripoly Phosphate | 4 | 1 | 3 | 3 |
| Tung Oil (China Wood Oil) | ? | 3 | 2 | 4 |
| Turbine Oil | 1 | 4 | 4 | 4 |
| Turbine Oil #15 (MIL-L-7808A) | 2 | 4 | 4 | 4 |
| Turbo Oil #35 | 1 | 4 | 2 | 4 |
| Turpentine | 2 | 4 | 4 | 4 |
| Type I Fuel (MIL-S-3136)(ASTM Ref. Fuel A) | 1 | 4 | 2 | 4 |
| Type II Fuel MIL-S-3136 | 3 | 4 | 4 | 4 |
| Type III Fuel MIL-s-3~3s(AsTM Ref. Fuel B) | 3 | 4 | 4 | 4 |
| Ucon Hydrolube J-4 | 4 | 1 | 2 | 1 |
| Ucon Lubricant LB-65 | ? | 1 | 1 | 1 |
| Ucon Lubricant LB-135 | ? | 1 | 1 | 1 |
| Ucon Lubricant LB-285 | ? | 1 | 1 | 1 |
| Ucon Lubricant LB-300X | ? | 1 | 1 | 1 |
| Ucon Lubricant LB-625 | ? | 1 | 1 | 1 |
| Ucon Lubricant LB-1145 | ? | 1 | 1 | 1 |
| Ucon Lubricant 50-HB55 | ? | 1 | 1 | 1 |
| Ucon Lubricant 50-HB-100 | ? | 1 | 1 | 1 |
| Ucon Lubricant 50-HB-260 | ? | 1 | 1 | 1 |
| Ucon Lubricant 50-HB-660 | ? | 1 | 1 | 1 |
| Ucon Lubricant 50-HB-5100 | ? | 1 | 1 | 1 |
| Ucon Oil LB-385 | ? | 1 | 1 | 1 |
| Ucon Oil LB-400X | ? | 1 | 1 | 1 |
| Ucon Oil Heat Transfer Fluid 500(Polyalkalene Glycol) | ? | 1 | 1 | 1 |
| Univis 40 (Hydr. Fluid) | 1 | 4 | 2 | 4 |
| Univolt #35 (Mineral Oil) | 1 | 4 | 2 | 4 |
| Unsymmetrical Dimethyl Hydrazine (UDMH) | ? | 1 | 2 | 4 |
| Uranium Hexachloride | ? | ? | ? | ? |
| Varnish | 4 | 4 | 4 | 4 |

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| Vegetable Oil | 1 | 3 | 3 | 1 |
| Versilube F-50 | 1 | 1 | 1 | 3 |
| Vinegar | 4 | 2 | 2 | 3 |
| Vinyl Chloride | ? | ? | ? | ? |
| W-H-910 | 2 | 2 | 2 | 2 |
| Wagner 21 B Brake Fluid | ? | 2 | 2 | 3 |
| Water (10) | 4 | 1 | 2 | 1 |
| Wemco C | 1 | 4 | 2 | 4 |
| Whiskey and Wines | 4 | 1 | 1 | 1 |
| White Pine Oil | ? | 4 | 4 | 4 |
| White Oil | 1 | 4 | 2 | 4 |
| WOlmar Salt | 2 | 1 | 2 | 1 |
| Wood Alcohol | 4 | 1 | 1 | 1 |
| Wood Oil | 1 | 3 | 2 | 4 |
| Xylene | 4 | 4 | 4 | 4 |
| Xylidenes-Mixed-Aromatic Amines | 4 | 4 | 4 | 4 |
| Xy101 | 4 | 4 | 4 | 4 |
| Xenon | 1 | 1 | 1 | 1 |
| Zeolites | ? | 1 | 1 | ? |
| Zinc Acetate | 4 | 1 | 2 | 4 |
| Zinc Chloride | 4 | 1 | 1 | ? |
| Zinc Salts | 4 | 1 | 1 | 1 |
| Zinc Sulfate | 4 | 1 | 1 | 1 |