

Jacket Material Key

PVC = Polyvinyl Chloride
 TPE = Thermoplastic Elastomer
 TPU = Thermoplastic Polyurethane

Chemical	Jacket Material		
	PVC	TPE	TPU
A			
ASTM® Fuel A	F	G	G
ASTM® Fuel B	X	F	F
ASTM® Fuel C		F	F
ASTM® Oil No. 1	G	G	G
ASTM® Oil No. 2			G
ASTM® Oil No. 3	F		G
Acetaldehyde			
Acetamide			
Acetate Solvents	X		
Acetic Acid (Glacial)	F		G
Acetic Acid 40%	G	E	G
Acetic Acid 10%	G	E	G
Acetic Anhydride	X		
Acetone	X		X
Acetyl Bromide			
Acetyl Chloride			
Acetylene			
Acrylonitrile	E	E	
Adipic Acid			
Alcohols			
Alcohols (Aliphatic)	F		
Alkalies	E		
Allyl Alcohol			
Aluminum Salts	E		
Aluminum Chloride	E		G
Aluminum Sulfate (Alums)	E		
Aluminum Sulfide			
Alums			
Ammonia			G
Ammonia (Dry Gas)	E		G
Ammonia (Anhydrous Liquids)	X		
Ammonia (Aqueous)	E		
Ammoniated Latex	E		
Ammonium Acetate			
Ammonium Carbonate			
Ammonium Chloride	E		G
Ammonium Chloride 10%	E		
Ammonium Hydroxide	E		
Ammonium Nitrate			

Rating Key

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A			
Ammonium Persulfate			
Ammonium Salts			
Ammonium Sulfate			
Ammonium Sulfide			
Ammonium Thiocyanide			
Amyl Acetate	X		
Amyl Alcohol			
Amyl Chloride			
Aniline	E		X
Aniline Hydrochloride			
Aniline Oils	X		
Animal Fats & Oils	E		
Aniseed Oil			
Anthracene	X		
Antifreeze Compounds 50/50		E	
Antimony Salts			
Aqua Regia			
Aromatic Fuels	X		
Aromatic Hydrocarbons	X		
Arsenic Salts			
Asphalt	X		
Attar of Roses			
B			
Banana Oil	X		
Barium Carbonate			
Barium Chloride	E		
Barium Hydroxide	E		
Barium Salts			
Barium Sulfide	E		
Battery Acid			
Benzaldehyde			
Benzaldehyde			
Benzene	X	X	X
Benzine (Petroleum Ether)	F		
Benzoic Acid			
Benzole			
Benzyl			X
Bitumen			
Borax	E		
Bordeaux Mixture	E		
Boric Acid	E		G

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B			
Brake Fluid		E	X
Brake Fluid A	E		
Brine	X	X	
Bromine		X	
Bromobenzene			
Bunker Oil			G
Butane			
Butanol	X	E	X
Butyl Acetate	G		X
Butyl Alcohol			
Butylene Glycol			
Butyric Acid			
C			
Calcium Carbonate			
Calcium Chloride 20%	E	E	G
Calcium Chloride 10%	E	E	G
Calcium Hydroxide	E		
Calcium Hypochlorite	E		
Calcium Nitrate			
Calcium Sulfate			
Camphor			
Carbolic Acid (Phenol)	G		
Carbon Dioxide	E		
Carbon Disulfide	X		
Carbon Tetrachloride	X		X
Carbonic Acid	E		
Casein	E		
Castor Oil	E		
Catechol			
Caustic Soda	E		E
Cello-Solv X			
Chlorinated Hydrocarbons X			
Chlorinated Lime			
Chlorine			X
Chlorine (water solution) 40%	F		G
Chlorine Gas (dry & wet)	X		
Chloroacetic Acid			
Chlorobenzene	X		X
Chlorobromomethane			
Chloroform	X		X
Chrome Baths			

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C			
Chromic Acid 40%	F		X
Chromic Acid 10%	G		
Chromic Acid 1%	E		
Chromium Potassium Sulfate			
Chromium Salts			
Citric Acid	E		
Coal Tar	X		
Coconut Oil	F		
Copper Salts			
Corn Oil	E		
Cottonseed Oil	F		
Creosote	X		
Cresol	F		
Cresylic Acid	X		
Cupric Chloride			
Cupric Nitrate			
Cupric Sulfate			
Cyclohexane	G	X	X
Cyclohexanol			
Cyclohexanone	G		
D			
DDT Weed Killer	E		
DOP			
DTE Oil			
Decalin			
Degreasing Fluids	X		
Detergents (dish washing)	E	E	
Di Iso Cyante	F		
Di Methyl Formamide	X		
Di Methyl Hydrazine	X		
Di-isodecyl Phthalate	X		
Dibutyl Ether			
Dibutyl Phthalate	X		
Dichlorobenzene			
Dichloroethylene	X		
Diesel Fuel	X		G
Diesel Oils	F		
Diester Oil			
Diethyl Ether	E	E	

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D			
Diethylene Glycol	G		
Dimethyl Acetamide			
Dimethyl Formamide		E	
Diethyl Phthalate (DOP)	X	E	E
Dioxane		E	
Dodecyl Mercaptan			
Dow General Weed Killer (H2O)	G		
Dow General Weed Killer (Phenol)	X		
Dowtherm			
E			
Edible Fats and Oils			
Esters	X		
Ether	X		X
Ethyl Acetate	X		X
Ethyl Alcohol (Ethanol)	F	E	X
Ethyl Bromide			
Ethyl Chloride			
Ethylene Chloride			G
Ethylene Dichloride	X		
Ethylene Glycol 50%	G		G
Ethylene Oxide X	X		
F			
Fatty Acids	E		
Ferric Chloride	E		G
Ferric Nitrate			
Ferric Sulfate	E		
Ferrous Chloride	E		
Ferrous Sulfate	E		
Flourochlorohydrocarbons			
Formaldehyde 40%	X		
Formalin			
Formamide			
Formic Acid 85%			X
Formic Acid 40%			X
Formic Acid 10%	E		X
Freon		F	X
Freon 12			X
Freons	X		
Fuel Oil	G		
Furfurol	F		

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Gallic Acid	E		
Gasoline - 100 Octane	F		X
Glycerine	E	E	E
Glycol			E
Glycolic Acid			
Grease	E	G	E
Green Sulfate Liquor	E		
H			
Heptachlor in Petroleum Solvents	E		
Heptane	F		G
Hexane	F	G	G
Hydraulic Fluids - Ester Base	X		
Hydraulic Fluids - Petroleum Base	F		
Hdrazine			
Hydrobromic Acid	E		
Hydrocarbon Oil			
Hydrochloric Acid (Muriatic) 40%	F		
Hydrochloric Acid 10%	G	E	
Hydrochloric Acid 1%	E	E	
Hydrocyanic Acid			
Hydrofluoric Acid 70	X		
Hydrofluoric Acid 10 - 10%			
Hydrofluoroboric Acid 40%	F		
Hydrofluoroboric Acid 10%	G		
Hydrogen			
Hydrogen Chloride			G
Hydrogen Chloride			G
Hydrogen Fluoride			
Hydrogen Peroxide 30%	G		
Hydrogen Peroxide 10%	E		
Hydrogen Peroxide 2%	E		E
Hydrogen Sulfide			
Hydrolic Fluid G			G
Hydroiodic Acid			
I			
Ink			
Iodine Solution			X
Iron Salts - Acid Soln.			
Iron Salts - Neut. Soln.			
Isooctane	F		
Isopropanol			

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I			
Isopropyl Acetate	X		
Isopropyl Alcohol	G		X
J			
JP-4 Oil			
Jet Fuels (JP-3, 4, and 5)	F		
K			
Kerosene	F		G
Ketones	X		
L			
Lacquer Thinners X	X		
Lactic Acid 90%			F
Lactic Acid 50%			F
Lactic Acid 5%			F
Lanolin			
Lead Acetate			
Lead Salts			
Linseed Oil	E		
Lox			
Lubricating Oils, Greases, Soaps	E		
M			
MIL-D-5606 Oil			
MIL-L-7808 Oil			
Magnesium Chloride	E		G
Magnesium Hydroxide 10%	E		
Magnesium Salts			
Magnesium Sulfate	E		
Malathion 50 in Aromatics	X		
Malic Acid	E		
Mercury			
Mercury Salts			
Methanol 10			X
Methyl Acetate	X		X
Methyl Alcohol	F		
Methyl Bromide	X		
Methylene Chloride	X		X
Methyl Ethyl Ketone	X	E	X
Methyl Glycol			X
Methyl Isobutyl Ketone	X		
Mineral Oil	E		G
Monochlorobenzene	X		
Motor Fuels			
Motor Oil 20W			G

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M			
Muriatic Acid (See Hydrochloric Acid)			
N			
Naphtha	F		E
Naphthalene	X		
Natural Gas			
Nickel Salts			
Nitric Acid	X		X
Nitric Acid 70%	F		X
Nitric Acid 35%	G		X
Nitric Acid 10%	E		X
Nitrobenzene	X	E	
Nitrogen			
Nitromethane			
Nitropropane	X		
N-Methyl Pyrrolidone			X
O			
Octane			
Oil of Turpentine			
Oleic Acid	E		
Oleum	X		
Oxalic Acid	E		
Oxygen			
Oxygen - Liquid			
Ozone			
P			
Paint	X		
Paint Thinners	X		
Palmitic Acid	E		
Paper Chemicals			
Paraffin Oil			G
Pentachlorophenol Oil	G		
Pentane	F		
Perchloric Acid 70%	X		
Perchloric Acid 10%	E		
Perchloroethylene	X		X
Petroleum			G
Petroleum Ether	F		
Petroleum Spirits			
Phenol	G		

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P			
Phenyl Ethyl Alcohol			
Phosphoric Acid 85	E		X
Phosphoric Acid 50	E		X
Phosphoric Acid 10	E		X
Photographic Developer	E		
Phthalates	X		
Pitch	G		
Plasticizers (Phthalates, Phosphates)			
Polyester Resin with Styrene			
Potash			
Potassium Bromide			
Potassium Chlorate			
Potassium Chloride 40%			G
Potassium Cyanide			
Potassium Hydroxide 50%	E		G
Potassium Hydroxide 10%	E	E	G
Potassium Iodide			
Potassium Nitrate			
Potassium Permanganate			X
Potassium Salts			
Potassium Sulfate			
Power Steering Fluid	X		
Propane	E		
Propanol		E	
Propyl Alcohol	G		
Propylene Glycol	E		
Pydraul	X		
Pydraul Oil		G	
Pyridine		E	X
R			
Resorcinol			
Ritchfield "A" Weed Killer	F		
S			
SEA No. 10 Oil			
Salicylic Acid			
Salt			
Seawater	E	E	E
Silicic Acid			
Silicone Oil	E		

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S			
Silver Nitrate	F		
Silver Salts			
Skydrol Oil - Type B	X	E	X
Soap			
Soap Solution			
Sodium Acetate			
Sodium Bicarbonate			
Sodium Bisulfite			
Sodium Borate			
Sodium Bromide			
Sodium Carbonate			
Sodium Carbonate			
Sodium Chlorate			
Sodium Chloride 15%		E	G
Sodium Chlorite			
Sodium Cyanide	E		
Sodium Dichromate			
Sodium Ferrocyanide			
Sodium Fluoride			
Sodium Hydrosulfite			
Sodium Hydroxide	G		X
Sodium Hydroxide 50%	E	E	X
Sodium Hydroxide 10%	E	E	G
Sodium Hypochlorite PH13	G		E
Sodium Nitrate			
Sodium Nitrate			
Sodium Nitrite			
Sodium Perborate			
Sodium Phosphate			
Sodium Silicate			
Sodium Sulfate			
Sodium Sulfide			
Sodium Sulfite			
Sodium Thiosulfite			
Solvent Naphtha			
Solvesso	X		
Soybean Oil	F		
Stoddard Solvent	X		
Styrene	X		
Sulfur			
Sulfur Dioxide			

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S			
Sulfur Dioxide (Liquid)	X		
Sulfuric Acid	X	E	X
Sulfuric Acid 75%	F	E	X
Sulfuric Acid 60%	G	E	X
Sulfuric Acid 40%	E	E	X
Sulfuric Acid 25%	E	E	F
Sulfuric Acid 10%	E	E	G
Sulfurous Acid 40%	G		
T			
Tall Oil X	X		
Tallow			
Tannic Acid	E		
Tar			
Tartaric Acid			
Tea			
Tetra Ethyl Lead	X		
Tetra Hydro Furan	X		X
Tetrachloroethylene			X
Tetraline			
Thionyl Chloride			
Tin Salts			
Titanium Salts			
Toluene	X		X
Toluol	X		
Transformer Oil			
Transmission Oil		F	
Trichlorethane	X		
Trichlorethylene	X	X	X
Trichloroacetic Acid			
Tricresyl Phosphate			
Tricresyl Phosphate (Skydrol)	X		X
Triethanol Amine	F		
Trisodium Phosphate	E		
Tung Oil	F		
Turpentine	F	F	G
U			
Urea			
V			
Varnish			
Varsol X	X		
Vaseline			

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Chemical	Jacket Material		
	PVC	TPE	TPU
V			
Vegetable Oils and Juices	E		
Vinegar	E		
Vinyl Chloride	X		
W			
Water	E	E	
Water 23° C			
Water 70° C			
Wax			
Wood Preservatives	X		
X			
Xylene	X	F	X
Xylols X	X		
Z			
Zinc Chloride	E	E	
Zinc Sulfate	E		