

Oil, Chemical and Solvent Resistance

The following information should be used as a guide only. The preferred method for determining whether or not the product will be suitable for the intended application is to conduct "in-field" or "simulated" tests.

CHEMICAL	RATING	CHEMICAL	RATING	CHEMICAL	RATING	CHEMICAL	RATING
Acetic Acid, 20%	B	Chlorine gas, wet	X	Isoctane, 70°C (158°F)	B	Potassium hydroxide solutions	A
Acetone	C	Chromic acid, 10-50%	X	Isopropyl ether	B	SAE Number 10 oil, 70°C (158°F)	A
Aluminum chloride solutions	T	Copper chloride solutions	A	JP-4	C	SKYDROL 500	C
Ammonia, anhydrous	X	Copper sulfate solutions	A	JP-5	C	Soap solutions	A
Ammonium hydroxide solutions	X	Cotton seed oil	A	JP-6	X	Sodium hydroxide, 20%	T
ASTM hydrocarbon test fluid	T	Cyclohexane	A	Kerosene	C	Sodium hydroxide, 46-1/2%	A
ASTM Oil No. 1, 70°C (158°F)		DOWTERM A	B	Lacquer solvents	X	Sodium hypochloride, 5%	C
ASTM Oil No. 3, 70°C (158°F)		Ethyl acetate	C	Linseed oil	B	Sodium hypochloride, 20%	X
ASTM Reference Fuel A	A	Ethyl alcohol	C	Lubricating oils	B	Soybean oil	B
ASTM Reference Fuel B		Ethyl glycol	B	Magnesium chloride solutions	A	Stearic acid	A
50°C (122°F)	B	Formaldehyde, 37%	X	Magnesium hydroxide solutions	A	Sulfur dioxide, liquid	T
ASTM Reference Fuel C	C	Formic acid	X	Mercury	A	Sulfuric acid, up to 50%	T
Barium hydroxide solutions	A	FREON-11 fluoro carbon	B	Methyl alcohol	C	Sulfuric acid, 50 to 80%	C
Benzene	C	FREON-12, 54°C (130°F)	A	Methyl ethyl ketone	C	Sulfurous acid	T
Borax solutions	A	FREON-22	C	mineral oil	A	Tannic acid, 10%	A
Boric acid solutions	A	FREON-113	A	Naphtha	B	Tartaric acid	A
Butane	A	FREON-114	T	Naphthalene	B	Toluene	C
Calcium bisulfite solutions	A	Fuel oil	B	Nitric acid, 10%	C	Trichlorethylene	C
Calcium chloride solutions	T	Gasoline	B	Oleic acid	B	Tricresyl phosphate	B
Calcium hydroxide solutions	A	Glue	A	Palmitic acid	A	Trisodium phosphate solutions	A
Calcium hypochlorite, 5%	X	Glycerin	A	Perchlorethylene	C	Tung oil	B
Carbon dioxide	A	n-Hexane, 50°C (122°F)	B	Phenol	C	Turpentine	C
Carbon monoxide	A	Hydraulic oils	B	Phosphoric acid, 20%	T	Water, 50°C (122°F)	A
Carbon tetrachloride	C	Hydrochloric acid, 20%	B				
Castor oil	A	Hydrochloric acid, 27%	X				
Chlorine gas, dry	X	Hydrogen	A				

A - Little or no effect

B - Minor to moderate effect

C - Severe effect to complete destruction

T - Test before using. No data - but most likely to be satisfactory

X - No data - but most likely to be unsatisfactory