

CHEMICAL RESISTANCE CHART

Reagent	ABS	Acetal	HDPE	LDPE	PC	PP	Santoprene	Silicone	Reagent	ABS	Acetal	HDPE	LDPE	PC	PP	Santoprene	Silicone
Cresylic Acid	-	D	-	B'	D	A'	-	A	Hydrofluoric Acid 100%	D	D	D	-	D	C'	D	D
Cupric Acid	-	-	-	B'	A'	A'	-	A'	Hydrofluosilicic Acid 20%	-	B	B	B'	-	A	-	D
Cyanic Acid	-	D	-	-	-	-	-	A'	Hydrofluosilicic Acid 100%	-	A	C	B'	-	A	-	D
Cyclohexane	-	A'	D	B'	B	D	-	D	Hydrogen Gas	-	-	A	A'	A'	A	-	C
Cyclohexanone	D	A	B	D	D	D	-	D	Hydrogen Peroxide 10%	A	D	A	A	A'	A	-	A
Detergents	B	A'	A	D	A'	A	-	A	Hydrogen Peroxide 30%	-	D	A	C'	A'	B'	-	B
Dextrin	A	-	A	-	-	A	-	A	Hydrogen Peroxide 50%	-	D	A	C'	A'	B'	-	B
Dextrose	A	-	A	-	-	A	-	A	Hydrogen Peroxide 100%	A	D	A	C'	A	B'	-	B
Diacetone Alcohol	-	-	A	A	D	A'	-	D	Hydrogen Sulfide (aqua)	B	C	A	A	A	A'	-	C
Dibenzyll Ether-	-	-	-	-	-	-	-	-	Hydrogen Sulfide (dry)	-	-	A	A	-	-	-	C
Dichlorobenzene	D	-	-	-	D	C'	D	D	Hydroquinone	D	A	B	-	-	-	-	-
Dichloroethane	D	A'	C	C'	D	D	D	-	Ink	A	B	-	-	-	-	-	-
Diesel Fuel	-	A	D	C'	A'	A	B	D	Hydroxyacetic Acid 70%	-	A	-	A	-	-	-	-
Diethyl Ether	D	-	D	D	-	D	A'	A	Iodine	D	D	B	A'	-	-	-	-
Diethylamine	D	B	D	D	D	A'	-	B	Iodine (in alcohol)	-	D	B	-	-	-	-	-
Diethylene Glycol	B	A'	A	B'	B'	A'	A	B'	Iodoform	-	-	-	-	-	-	-	-
Dimethyl Aniline	D	D	B	-	D	D	-	D	Isooctane	-	-	B	B	B'	A'	D	D
Dimethyl Ether	-	-	-	-	-	-	-	-	Isopropyl Acetate	-	D	B	B	D	B'	D	D
Dimethyl Formamide	D	D	A	A	D	A	A	C	Isopropyl Ether	-	D	D	B	B	-	-	D
Diphenyl	-	-	-	-	-	-	-	D	Isotane	-	-	-	-	-	-	-	D
Diphenyl Oxide	-	D	-	-	-	-	-	D	Jet Fuel (JP3, JP4, JP5, JP8)	-	A'	D	D	A'	A'	D	D
Disodium Phosphate	A	-	A	-	-	-	A	-	Kerosene	D	A'	B	C'	D	B	D	D
Dyes	-	C	-	-	-	-	-	-	Ketones	A	D	D	C'	D	C	D	-
Epson Salts (Magnesium Sulfate)	B'	B	-	A'	A'	A	-	A	Lacquer Thinners	A	D	D	A	B	D	D	-
Ethane	-	A'	-	-	-	D	-	D	Lacquers	A	D	D	A	A	B	D	-
Ethanol	B'	A'	A	B	B'	A	A	B	Lactic Acid	D	B	A	A'	B	B'	A	B
Ethanolamine	-	D	-	-	D	-	D	B	Lard	-	A	A	A	A'	B'	A	B
Ether	D	A'	D	D	-	D	-	D	Latex	B	B	-	-	-	A'	A	A
Ethyl Acetate	D	A	A	A	D	A'	A	B	Lead Acetate	B	B	A	A'	-	A'	A	A
Ethyl Benzoate	D	-	B	C'	D	B'	-	D	Lead Nitrate	B	-	A	A'	-	A'	B'	B
Ethyl Chloride	D	A'	C	C'	D	D	D	D	Lead Sulfamate	-	A	-	A'	A'	A'	-	D
Ethyl Ether	D	A'	D	D	-	D	-	D	Ligroin	-	B	-	A	-	A'	A	D
Ethyl Sulfate	-	-	-	-	-	-	-	-	Lime	-	B	-	A	-	-	-	B
Ethylene Bromide	D	-	-	D	D	D	C'	-	Linoleic Acid	A	B	-	A	-	B'	-	A'
Ethylene Chloride	D	A'	C	D	D	D	D	D	Lithium Chloride	-	A	C	B	D	A	A	A'
Ethylene Chlorohydrin	D	D	-	D	D	D	D	C	Lithium Hydroxide	-	-	D	A	-	-	-	-
Ethylene Diamine	D	D	B	A	A'	A	-	A	Lubricants	-	A	B	D	A'	A'	-	D
Ethylene Dichloride	D	B'	D	D	D	D	D	D	Lye: KOH Potassium Hydroxide	A	A	B	A	D	A	A	A
Ethylene Glycol	A	B	A	A'	B'	A	A	A	Lye: NaOH Sodium Hydroxide	C	C	B	D	D	A	A	A'
Ethylene Oxide	D	D	B	A	C'	D	-	D	Lye: Ca(OH)2 Calcium Hydroxide	-	D	B	A'	D	A	A	A
Fatty Acids	A	A	A	D	B'	A	D	C	Magnesium Bisulfate	-	-	-	-	A'	A'	-	-
Ferric Chloride	A	D	D	A'	A'	A	-	B	Magnesium Carbonate	B	A	-	B	A'	A'	-	A
Ferric Nitrate	A'	D	-	A'	A'	A	-	C	Magnesium Chloride	B	B'	A	A'	A'	A'	-	A
Ferric Sulfate	A'	D	-	A'	A'	A	-	B	Magnesium Hydroxide	B	A	B	A'	A'	A	-	A
Ferrous Chloride	A'	D	A	A'	D	A	-	-	Magnesium Nitrate	B	A	B	A'	A'	A	-	-
Ferrous Sulfate	A'	D	-	A'	A'	A	-	-	Magnesium Oxide	-	A	-	-	-	-	-	-
Fluoboric Acid	A'	A'	A	A'	-	A	-	D	Magnesium Sulfate (Epson Salts)	B'	B	A	A'	A	A	-	A
Fluorine	A'	D	D	D	C	D	D	D	Maleic Acid	-	A	A	B	B'	-	-	-
Fluosilicic Acid	A'	A'	B	A'	A'	A	-	-	Maleic Anhydride	-	D	A	-	B'	-	-	-
Formaldehyde 40%	A'	A'	A	D	A'	A	A	-	Malic Acid	-	A	-	A'	-	B	-	A'
Formaldehyde 100%	B	A	A	B	A'	C	A	B	Manganese Sulfate	B'	A'	-	A'	A'	-	-	A'
Formic Acid	D	A'	A	D	A'	A'	-	B	Mash	-	A	-	A	-	-	-	-
Freon®11	D	D	A	C	-	A	B	D	Mayonnaise	-	A	-	D	-	-	-	-
Freon®12	A'	B	-	A'	-	A'	D	D	Melamine	-	A	-	-	-	A	-	C
Freon®22	-	A	-	-	-	B	D	D	Mercuric Chloride (dilute)	B	B	A	A	A	B	-	-
Freon®113	-	A	-	-	B'	D	D	D	Mercuric Cyanide	B	-	-	A	-	B	-	A
Freon®TF	-	A	B	-	-	D	D	D	Mercurous Nitrate	C'	-	-	A	A	A'	-	-
Fruit Juice	B	D	-	A	-	B	-	D	Mercury	B	A	A	A	D	B	-	-
Fuel Oils	D	A	C	B	B'	A	-	D	Methane	-	A	-	-	-	D	A	D
Furan Resin	-	D	-	D	-	D	A	D	Methanol (Methyl Alcohol)	D	A	A	A'	B'	A'	A	A
Furfural	D	A	A	D	D	D	A	A	Methyl Acetate	D	B	C	B'	D	-	-	D
Gallic Acid	-	A	A	A	A	A	-	D	Methyl Acetone	-	D	-	-	-	D	D	-
Gasoline (high-aromatic)	D	B	B	A	A	A	A	D	Methyl Acrylate	-	B	-	-	-	D	B	-
Gasoline, leaded, ref.	D	A	B	-	A'	B	D	D	Methyl Alcohol 10%	D	A	A	A'	B'	A'	A	A
Gasoline, unleaded	D	A	B	-	A'	B	C'	D	Methyl Bromide	D	D	-	C'	-	C	D	-
Gelatin	-	B	A	A'	A'	A	-	A	Methyl Butyl Ketone	-	D	D	-	-	D	B	-
Glucose	B	A	A	A'	A'	A	-	A	Methyl Cellosolve	-	D	D	-	-	D	B	-
Glue, P.V.A.	-	A	A	A'	A'	-	-	A	Methyl Chloride	D	B	-	C'	D	D	D	D
Glycerin	C	A	A	A'	A'	A	-	A	Methyl Dichloride	D	D	-	-	-	D	D	-
Glycolic Acid	B	A	-	A'	-	A	-	A	Methyl Ethyl Ketone	D	C	D	D	-	B'	D	-
Gold Monocyanide	-	A	-	-	-	-	-	-	Methyl Ethyl Ketone Peroxide	-	-	-	-	-	-	-	B
Grape Juice	B	A	-	B	-	-	-	-	Methyl Isobutyl Ketone	D	-	D	C	D	-	A	D
Grease	-	D	-	-	-	-	-	-	Methyl Isopropyl Ketone	-	-	-	D	D	-	C	C
Heptane	D	A	B	B'	B	C'	A	D	Methyl Methacrylate	-	D	-	-	-	D	C	C
Hexane	D	A	C	D	D	B'	A	D	Methylamine	D	D	-	A'	-	A'	A	-
Honey	-	A	-	B	C	A'	A	B	Methylene Chloride	D	B	D	D	A	B'	B	-
Hydraulic Oil (Petro)	-	B	A	A	A	-	D	B	Milk	B	A	-	A	C	B	-	A
Hydraulic Oil (Synthetic)	-	-	A	A	A	-	D	D	Mineral Sprits	D	A	A	D	B	C	B	-
Hydrazine	-	B	D	-	D	C	-	D	Molasses	B	A	A	A	-	D	B	D
Hydrobromic Acid 20%	-	C	D	B'	-	A'	-	D	Monochloroacetic Acid	-	D	D	-	C	-	B	-
Hydrobromic Acid 100%	B	D	D	B'	-	C'	-	D	Monoethanolamine	-	D	-	C	-	B	-	B
Hydrochloric Acid 20%	A	C	A	A'	B'	B'	A	D	Morpholine	C	-	-	-	-	B'	-	-
Hydrochloric Acid 37%	A	C	A	B'	D	C	A	B	Motor Oil	C	B	-	C'	A	A	-	-
Hydrochloric Acid 100%	A	C	C	D	-	B'	A	D	Mustard	B	C	-	A	A	A	-	-
Hydrochloric Acid, Dry Gas	-	-	D	A'	-	B	A	-	Naphtha	D	A'	-	A'	B	B	D	D
Hydrocyanic Acid'	B	B	A	A'	-	B'	A	A	Naphthalene	D	A'	B	C	-	B	B	D
Hydrocyanic Acid (Gas 10%)	-	C	A	-	B'	A	A	D	Natural Gas	B	B	-	A	A	A	D	A
Hydrofluoric Acid 20%	C	D	A	A'	D	A'	D	D	Nickel Chloride	B	A	B	A	A'	A	-	A
Hydrofluoric Acid 50%	C	D	A	A'	D	A'	D	D	Nickel Nitrate	A	-	B	A	D	A'	A	-
Hydrofluoric Acid 75%	C	D	B	C'	D	C'	D	D	-	-	-	-	-	-	-	-	-

A- No effect

B- Minor effect

C- Moderate effect

D- Severe effect; not recommended

- No data available

Explanation of footnotes:

1- Satisfactory to 72 °F (22 °C)

2- Satisfactory to 120 °F (48 °C)

3- Satisfactory to 90 °F (32 °C)

4- Satisfactory to 200 °F (93 °C)