

TIM CAMPBELL 800-400-7500

CHEMICAL RESISTANCE GUIDE

REAGENT	GROUP	Polymer Dunnage	MetroMax i	MetroMax Q	MetroSeal 3	Metro Chrome	Super Bright	Designer Colors	Stainless Steel	Metro Totes
Acetic acid (5%)	Acid, Organic	1	2	2	2	2	2	2	1	1
Acetic acid (50%)	Acid, Organic	1	4	3	3	3	4	3	2	1
Acetic acid, glacial	Acid, Organic	1	4	4	4	4	4	4	2	1
Acetone	Ketone	1	4	2	2	1	1	2	1	1
Ammonia	Cleaning Material	1	2	1	1	2	2	1	2	1
Ammonium hydroxide	Base	1	4	4	1	2	2	1	2	1
Anti-Freeze	Commercial Compound	1	2	1	1	2	2	1	2	1
Benzene	Hydrocarbon, Aromatic	2	4	2	2	2	2	2	2	2
Bleach	Cleaning Material	1	3	3	2	3	4	2	3	1
Brake fluid	Hydrocarbon, Common	1	2	1	1	2	2	1	2	1
Carbon tetrachloride	Halogen	3	4	4	1	1	3	1	1	4
Chlorine	Halogen	2	4	4	2	3	4	2	3	2
Citric acid (10%)	Acid, Organic	1	1	1	1	1	1	1	1	1
Detergent	Cleaning Material	1	1	1	1	1	1	1	1	1
Diesel Fuel	Hydrocarbon, Common	1	1	1	1	1	1	1	1	1
Dimethyl formamide (DMF)	Amide	1	4	3	3	2	2	3	2	1

Key to Ranking Chemical Resistance

1. Excellent
2. Acceptable
3. Marginal
4. Do Not Use

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Diethyl phthalate (DOP)	Ester	1	2	1	1	2	2	1	2	1
Engine Oil	Hydrocarbon, Common	1	1	1	1	1	1	1	1	1
Ethanol	Alcohol	1	2	1	1	1	1	1	1	1
Ethyl ether	Ether	2	4	2	2	2	2	2	2	2
Formaldehyde (37%)	Aldehyde	1	2	2	1	1	1	1	1	1
Freon	Halogen	3	4	4	1	2	3	1	2	4
Gasoline	Hydrocarbon, Common	2	2	2	1	2	2	1	2	2
Grease	Hydrocarbon, Common	1	1	1	1	1	1	1	1	1
Hydraulic fluid	Hydrocarbon, Common	1	2	1	1	2	2	1	2	1
Hydrochloric acid, (37%)	Acid, Inorganic	1	4	4	1	3	3	1	3	1
Hydrogen peroxide, (30%)	Organic Compound	1	4	4	2	2	2	2	2	2
Isopropyl alcohol (2-propanol)*	Alcohol	1	4	1	1	4	4	1	1	1
Kerosene	Hydrocarbon, Aliphatic	1	2	2	1	2	2	1	2	2
Methanol	Alcohol	1	4	1	1	1	1	1	1	1
Methyl ethyl ketone (MEK)	Ketone	2	4	2	2	1	1	2	1	1
Methylene chloride	Halogen	3	4	4	1	1	3	1	1	4

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Naptha	Hydrocarbon, Aromatic	1	2	1	1	2	2	1	2	1
Nitric Acid (10%)	Acid, Inorganic	1	4	4	1	2	3	1	1	1
Nitric Acid (70%)	Acid, Inorganic	3	4	4	3	3	3	3	1	3
Oleic acid	Acid, Organic	1	1	1	1	1	2	1	1	1
Orange Juice	Foodstuff	1	1	1	1	1	1	1	1	1
Perchloroethylene	Halogen	3	4	4	1	1	3	1	1	4
Phenol	Organic Compound	1	4	4	2	1	1	2	1	1
Phosphoric acid (10%)	Acid, Inorganic	1	4	4	2	2	2	2	1	1
Phosphoric acid (85%)	Acid, Inorganic	1	4	4	2	2	3	2	1	1
Quaternary ammonium	Cleaning Material	1	1	1	1	1	1	1	1	1
Salt Water	Alkaline Solution	1	3	1	1	3	4	1	3	1
Salad Oil	Foodstuff	1	1	1	1	1	1	1	1	1
Sodium hydroxide	Base	1	4	1	1	2	3	1	2	1
Spor-Klenz 1:99 Dilution	Disinfectant	1	2	2	1	1	2	1	1	1
Sulfuric acid (10%)	Acid, Inorganic	1	4	4	1	2	3	1	4	1
Sulfuric acid (30%)	Acid, Inorganic	1	4	4	2	3	3	2	4	1

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Sulfuric acid (98%)	Acid, Inorganic	2	4	4	3	3	3	3	4	3
Toluene	Hydrocarbon, Aromatic	2	4	4	1	1	2	1	1	4
Trichloroethylene	Halogen	3	4	4	1	1	3	1	1	4
Turpentine	Hydrocarbon, Common	2	2	2	1	1	1	1	1	2
Vegetable Oil	Foodstuff	1	1	1	1	1	1	1	1	1
Vinegar	Foodstuff	1	2	2	2	2	2	2	1	1

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