August 2012

General Chemical Resistance

For Durafoam™ DK1111, 2121, 3131, 4141 & 5151

Note: The Chemical Resistance Table below represents the general chemical resistance for Durafoam™ DK1111, 2121, 3131, 4141 & 5151. It should be noted that the degree of chemical resistance is determined and affected by test conditions such as: percent of concentration, test temperature, length of time tested, time of submersion, volume swell, and other test conditions as may be specified for the application. All the recommendations below are a general guide. If specific tests for specific chemicals are required, please contact us with the testing details.

Chemical	Chemical	Chemical
Acetamide	Castor Oil	Freon T-P35
Acetic Acid, 30%	Citric Acid	Freon TA
Acetylene	Cobalt Chloride (Aqueous)	Freon TC
Adipic Acid	Cod Liver Oil	Freon MF
Aluminum Chloride (Aqueous)	Copper Acetate (Aqueous)	Fuel Oil
Aluminum Fluoride (Aqueous)	Copper Chloride (Aqueous)	Fumaric Acid
Aluminum Nitrate (Aqueous)	Copper Cyanide (Aqueous)	Gasoline
Aluminum Phosphate (Aqueous)	Copper Sulfate (Aqueous)	Gelatin
Aluminum Sulfate (Aqueous)	Denatured Alcohol	Glucose
Ammonia Anhydrous	Detergent Solutions	Glue
Ammonia Gas (cold)	Diesel Oil	Glycerin
Ammonium Chloride (Aqueous)	Diethylene Glycol	Glycols
Ammonium Nitrate (Aqueous)	Dimethyl Ether (Methyl Ether)	Green Sulfate Liquor
Ammonium Phosphate (Aqueous)	Ethane	Hexane
Ammonium Sulfate (Aqueous)	Ethyl Alcohol	Hexyl Alcohol
Amyl Alcohol	Ethyl Chloride	Hydraulic Oil (Petroleum)
Aniline	Ethyl Silicate	Hydrocyanic Acid
Aniline Hydrochloride	Ethylene	Hydrofluosilicic Acid (Fluosilicic Acid)
Aroclor, 1260	Ethylene Diamine	Hydrogen Gas
Arsenic Acid	Ethylene Glycol	Isobutyl Alcohol
Barium Chloride (Aqueous)	Ferric Chloride (Aqueous)	Isooctane
Barium Hydroxide (Aqueous)	Ferric Nitrate (Aqueous)	Isopropyl Alcohol
Barium Sulfate (Aqueous)	Ferric Sulfate (Aqueous)	Kerosene
Barium Sulfide (Aqueous)	Fluoroboric Acid	Lactic Acid (Cold)
Beer	Fluorocarbon Oils	Lard
Beet Sugar Liqours	Fluorolube	Lavendar Oil
Benzyl Alcohol	Fluorosilicic Acid (Hydrofluosilicic Acid)	Lead Acetate (Aqueous)
Borax	Formic Acid	Lead Nitrate (Aqueous)
Bordeaux Mixture	Freon 12	Lead Sulfamate (Aqueous)
Brine	Freon 13	Ligroin (Benzine) (Nitrobenzine)
Butter (Animal Fat)	Freon 32	Lime Bleach
Butyl Alcohol	Freon 113	Linoleic Acid
Calcium Acetate (Aqueous)	Freon 114	Linseed Oil
Calcium Chloride (Aqueous)	Freon 115	Liquefied Petroleum Gas
Calcium Hydroxide (Aqueous)	Freon 142b	Lubricating Oils (Petroleum)
Calcium Nitrate (Aqueous)	Freon 152b	Lye
Calcium Sulfide (Aqueous)	Freon 218	Magnesium Chloride (Aqueous)
Cane Sugar Liqours	Freon C316	Magnesium Hydroxide (Aqueous)
Carbonic Acid	Freon C318	Magnesium Sulfate (Aqueous)
Carbon Monoxide	Freon 13B1	Mercury Chloride (Aqueous)

PHYSICAL AND SHOCK ATTENUATION TEST LABORATORY

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Mercury	Potassium Cupro Cyanide	Sodium Phosphate (Aqueous)
Methane	Potassium Cyanide (Aqueous)	Sodium Silicate (Aqueous)
Methyl Alcohol	Potassium Dichromate (Aqueous)	Sodium Sulfate (Aqueous)
Methyl Bromide	Potassium Hydroxide (Aqueous)	Sodium Thiosulfate (Aqueous)
Methyl Ether (Dimethyl Ether)	Potassium Nitrate (Aqueous)	Soybean Oil
Milk	Potassium Sulfate (Aqueous)	Stannic Chloride (Aqueous)
Mineral Oil	Producer Gas	Stannous Chloride (Aqueous)
Monomethyl Ether (Methyl Ether)	Propane	Stearic Acid
Monovinyl Acetylene	Propyl Alcohol	Stoddard Solvent
Naphtha	Pyranol, Transformer Oil	Sucrose Solution
Naphthalenic Acid	Rapeseed Oil	Sulfite Liquors
Natural Gas	Red Oil (MIL-H-5606)	Sulfurous Acid
Neats Foot Oil	RJ-1 (MIL-F-25558 B)	Tannic Acid
Nickel Acetate (Aqueous)	RP-1 (MIL-F-25576 C)	Tartaric Acid
Nickel Chloride (Aqueous)	Sal Ammoniac	Tertiary Butyl Alcohol
Nickel Sulfate (Aqueous)	Salicylic Acid	Tetrabutyl Titanate
Niter Cake	Salt Water	Transformer Oil
Nitrobenzene (Petroleum Ether)	Sewage	Transmission Fluid Type A
Nitrogen	Silicate Esters	Triacetin
Octadecane	Silicone Greases	Trichloroacetic Acid
N-Octane	Silicone Oils	Trethanol Amine
Octyl Alcohol	Silver Nitrate	Tung Oil (China Wood Oil)
Oleum Spirits	Soap Solutions	Turpentine
Olive Oil	Soda Ash	Usymmetrical Dimethyl Hydrazine
Oxalic Acid	Sodium Bicarbonate (Aqueous)(Baking Soda)	Varnish
Oxygen-Cold	Sodium Bisulfite (Aqueous)	Vegetable Oils
Palmitic Acid	Sodium Borate (Aqueous)	Versilube F-50
Peanut Oil	Sodium Chloride (Aqueous)	Vinegar
Perchloroethylene	Sodium Cyanide (Aqueous)	Water
Petroleum-Below 250oF	Sodium Hydroxide (Aqueous)	Whiskey, Wines
Phosphoric Acid-20%	Sodium Hypochlorite (Aqueous) (Chlorox)	White Pine Oil
Picric Acid	Sodium Metaphosphate (Aqueous)	White Oil
Plating Solution- Others	Sodium Nitrate (Aqueous)	Wood Oil
Potassium Acetate (Aqueous)	Sodium Perborate (Aqueous)	Zeolites
Potassium Chloride (Aqueous)	Sodium Peroxide (Aqueous)	Zinc Chloride (Aqueous)
		Zinc Sulfate (Aqueous)

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