

UltraCOMP™ Chemical Compatibility Guide

No. 5262B1-USA

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
1.1.1 Trichloroethane (Genklene*)	A		
1.2 Dichloroethane	A		
Acetaldehyde	A	A	
Acetic Acid, 10% Conc.	A	A	
Acetic Acid, Conc.	A	A	A
Acetic Acid, Glacial	A	A	
Acetone	A	A	
Acetonitrile	A		
Acetylene	A	A	
Acrylic Acid	A	A	
Adhesives (not cyanoacrylates)	A		
Aliphatic Esters	A	A	
Alum, Saturated	A	A	
Aluminum Chloride	A	A	
Aluminum Sulfate	A	A	
Ammonia 880	A		
Ammonia Anhydrous	A	A	A
Ammonia Aqueous	A	A	A
Ammonia Hydroxide, 10% Conc.	A		
Ammonium Chloride, 10% Conc.	A	A	
Ammonium Hydroxide, Conc.	A		
Ammonium Nitrate	A	A	
Amyl Acetate	A	A	
Aniline	A	B	
Antimony Trichloride	A	A	
Apple Juice	A		
Aqua Regia	C	C	C
Aromatic Solvents	A	A	
Aviation Hydraulic Fluid	A		
Aviation Spirit	A		
Barium Salts (Chloride, Sulfide)	A		
Beer	A	A	
Benzaldehyde	A		
Benzene	A	A	
Benzene Sulfonic Acid	C		
Benzoic Acid	A	A	

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Benzyl Alcohol	A		
Bleach	A	A	
Boric Acid	A	A	
Brake Fluid (Mineral)	A	A	A
Brake Fluid (Polyglycol)	A	A	A
Brine	A	A	
Bromine	C	C	C
Bromine (Dry)	C	C	C
Bromine (Wet)	C	C	C
Bromine Water, Saturated	A	A	
Butane	A		
Butanol	A		
Butyl Acetate	A		
Calcium Bisulfide	A	A	
Calcium Carbonate	A		
Calcium Chloride	A	A	
Calcium Hydroxide	A		
Calcium Hypochlorite	A	A	
Calcium Nitrate	A		
Calcium Sulfate	A	A	
Carbolic Acid	A		
Carbon Dioxide (Dry)	A		
Carbon Disulfide	A	A	
Carbon Monoxide (Gas)	A	A	A
Carbon Tetrachloride	A	A	
Carbonic Acid	A	A	
Chlorine	C	C	C
Chloroacetic Acid	A	A	
Chloroform	A		
Chlorosulfonic Acid	C	C	C
Chorobenzene	A	A	
Chromic Acid, 40% Conc.	A		
Chromic Acid, Conc.	C	C	C
Citric Acid	A	A	
Cooking Oil	A		
Copper Acetate	A	A	

See key on back for description of letters A, B, C.

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
Copper Carbonate	A	A	
Copper Chloride	A	A	
Copper Cyanide	A	A	
Copper Fluoride	A	A	
Copper Nitrate	A	A	
Copper Sulfate	A	A	
Creosote	A		
Crude Oil	A		
Cupric Fluoride	A	A	
Cupric Sulfate	A	A	
Cuprous Chloride	A	A	
Cyclohexane	A	A	
Cyclohexanol	A		
Cyclohexanone	A		
Detergent Solutions (non-phenolic)	A	A	
Dibromoethane	A		
Dibutyl Phthalate	A		
Dichlorobenzene	A		
Dichloroethane	A		
Diesel Oil	A		
Diethylamine	A		
Diethylether	A	A	
Dimethyl Formamide (DMF)	A		
Dimethyl Phthalate	A		
Dimethylsulfoxide (DMSO)	B	B	
Diocetyl Phthalate	A		
Dioxane	A		
Diphenylsulfone (DPS)	B	C	C
Dowtherm A*			C
Dowtherm B			B
Dowtherm HT			B
Dowtherm LF			B
Edible Fats & Oils	A		
Ethane	A		
Ethanol	A	A	
Ether	A	A	
Ethyl Acetate	A		
Ethylene Dichloride	A		
Ethylene Glycol	A	A	B

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
Ethylene Glycol, 50% Conc.	A	A	A
Ethylene Nitrate	A		
Ethylene Oxide (EtO)	A		
Ethylene Sulfate	A		
Fatty Acids	A	A	
Ferric Chloride	B	B	
Ferric Nitrate	A		
Ferric Oxide	A	A	
Ferric Sulfate	A		
Ferrous Chloride	A		
Ferrous Nitrate	A		
Ferrous Sulfate	A	A	
Fluorine	C	C	C
Formaldehyde	A	A	
Formalin	A		
Formic Acid	B	B	
Freon* 11 Trichlorofluoromethane	A		
Freon 113 Trichlorotrifluoroethane	A		
Freon 114 1.1 Dichloro 1.2.2.2 Tetrafluoroethane	A		
Freon 12 Dichlorodifluoromethane	A		
Freon 134a	A		
Freon 22 Chlorodifluoromethane	A	A	
Freon 52	A	A	
Fruit Juice	A	A	
Fuel Oil	A		
Gas (Manufactured)	A		
Gas (Natural)	A		
Gasoline	A	A	
Gelatin	A	A	
Glycerol	A		
Glycols	A	A	
Heptane	A		
Hexane	A		
Hydraulic Fluid	A		
Hydrazine	A	A	
Hydrobromic Acid	C	C	C
Hydrochloric Acid, 10% Conc.	A	A	
Hydrochloric Acid, Conc.	A	B	

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CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
Hydrocyanic Acid	A	A	
Hydrofluoric Acid, 40% Conc.	C	C	C
Hydrogen Peroxide	A	A	
Hydrogen Sulfide (Gas)	A	A	A
Iodine	B		
Iso-Octane	A		
Isopropanol	A		
Kerosene	A		
Ketchup	A		
Ketones	A		
Lactic Acid	A	A	
Lead Acetate	A	A	
Lime	A	A	
Linseed Oil	A		
Lubricating Oil	A		
Magnesium Chloride	A	A	
Magnesium Hydroxide	A		
Magnesium Sulfate	A	A	
Maleic Acid	A	A	
Mercuric Chloride	A	A	
Mercurous Chloride	A		
Mercury	A	A	
Methane (Gas)	A	A	A
Methanol	A	A	
Methylene Chloride	A		
Methylethyl Ketone (MEK)	A	B	C
Milk	A	A	
Mineral Oil	A		
Molasses	A	A	
Motor Oil	A	A	A
N-Methyl-2-Pyrrolidone (NMP)	A		
Naphtha	A	A	
Naphthalene	A	A	
Nickel Acetate	A	A	
Nickel Chloride	A	A	
Nickel Nitrate	A	A	
Nickel Salts	A		
Nickel Sulfate	A	A	
Nitric Acid, 10% Conc.	A	A	

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Nitric Acid, 30% Conc.	B		
Nitric Acid, 50% Conc.	C	C	C
Nitric Acid, Conc.	C	C	C
Nitrobenzene	A		C
Nitrogen	A		
Nitrous Acid, 10%	A		
Nitrous Oxide	A		
Oils (Di-Ester and Phosphate Ester Based)	A	A	
Oils (Petroleum)	A	A	
Oils (Vegetable)	A	A	
Oleic Acid	A		
Oleum	C	C	C
Olive Oil	A	A	
Oxalic Acid	A	A	
Oxygen	A		
Ozone	A	B	
Paraffin	A	A	
Peanut Oil	A	A	
Pentane	A		
Perchloric Acid	A	A	
Perchloroethylene	A	A	
Petroleum Ether	A		
Phenol (Conc.)	C	C	C
Phenol (Dilute)	A		
Phosphorous Chlorides	A	A	
Phosphoric Acid, 10% Conc.	A	A	A
Phosphoric Acid, 80% Conc.	A	A	
Phosphorous Pentoxide	A	A	
Phosphoric Acid, 50% Conc.	A	A	A
Phthalic Acid	A	A	
Picric Acid	A	A	
Potassium Aluminum Sulfate	A	A	
Potassium Bicarbonate	A		
Potassium Bromide	A	A	
Potassium Carbonate	A		
Potassium Chlorate	A	A	
Potassium Chloride	A	A	
Potassium Dichromate	A		
Potassium Ferricyanide	A		

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
Potassium Ferrocyanide	A		
Potassium Hydroxide	A	A	
Potassium Hydroxide, 10% Conc.	A		
Potassium Hydroxide, 70% Conc.	A		
Potassium Nitrate	A	A	
Potassium Permanganate	A		
Potassium Sulfate	A	A	
Potassium Sulfide	A		
Propane	A		
Propanol	A		
Pyridine	A	A	
Sewage	A	A	
Silicic Acid	A	A	
Silicone Fluids	A	A	
Silver Nitrate	A	A	
Skydrol* Hydraulic Fluid	A		
Soap Solution	A		
Sodium (Hot)	C	C	C
Sodium Acetate	A		
Sodium Bicarbonate	A		
Sodium Carbonate	A	A	
Sodium Chlorate	A	A	
Sodium Chloride	A	A	
Sodium Hydroxide, 10% Conc.	A	A	A
Sodium Hydroxide, 50% Conc.	A	A	A
Sodium Hydroxide, Conc.	A		
Sodium Hypochloride	A	A	
Sodium Nitrate	A	A	
Sodium Nitrite	A		
Sodium Peroxide	A	A	
Sodium Salts	A		
Sodium Silicate	A	A	
Sodium Sulfate	A	A	
Sodium Sulfide	A	A	
Sodium Sulfite	A	A	
Stannic Chloride	A	A	
Stannous Chloride	A	A	
Starch	A	A	
Steam	A	A	A
Styrene (Liquid)	A		

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
Sulfites	A	A	
Sulfur	A	A	
Sulfur Chloride	A	A	
Sulfur Dichloride	A	A	
Sulfur Dioxide	A	A	A
Sulfur Hexafluoride (Gas)	A		
Sulfur Trioxide	A	A	
Sulfuric Acid, <40% Conc.	B	B	B
Sulfuric Acid, >40% Conc.	C	C	C
Sulfurous Acid	A	A	
Tallow	A	A	
Tannic Acid, 10% Conc.	A	A	
Tar	A		
Tartaric Acid	A	A	
Tetraethyl Lead	A		
Tetrahydrofuran (THF)	A		
Toluene	A		
Transformer Oil	A	A	
Trichloroethylene	A	A	
Trifluoromethyl Sulfonic Acid	C	C	C
Turpentine	A		
Urea	A	A	
Varnish	A		
Vaseline *	A		
Vinegar	A	A	
Water	A	A	A
Water, Distilled	A	A	
Water, Sea/Salt	A	A	
Wax	A		
White Spirit	A		
Wines And Spirits	A		
Xylene*	A		
Yeast	A	A	
Zinc Chloride	A	A	
Zinc Sulfate	A	A	

KEY

A —No attack. Little or no absorption.
 B —Slight attack. Satisfactory use of UltraCOMP will depend on the application.
 C —Severe attack. UltraCOMP should not be used for any application where these chemicals are present.



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