



ULTRATECH
INTERNATIONAL, INC.

Chemical Compatibility Guide - Molded Polyethylene

For UltraTech Spill Containment Products

This listing was prepared to provide guidance to the chemical compatibility of UltraTech Spill Containment Products which are manufactured and constructed of a molded polyethylene.

Polyethylene is susceptible to attack by some chemicals which may cause stress cracking, swelling, oxidation or may permeate the polyethylene. These reactions may reduce the physical properties of polyethylene.

A = Suitable for long term storage at 100 degrees Fahrenheit or less.

B = Suitable for short term storage less than one year.

C = Do NOT store these chemicals in UltraTech containment products.

User testing may prove some of these chemicals are suitable for secondary containment applications with an exposure time of one week or less.

Acetaldehyde (40%)A
AcetamideA
Acetic Acid (50%)A
Acetic Acid AnhydrideB
Acetic EtherB
AcetoneA
Acetylene TetrabromideB
Acrylic EmulsionsB
AcrylonitrileA
Adipic AcidA
Aliphatic HydrocarbonsA
AlkalineA
Allyl Alcohol (96%)A
Aluminum Chloride (20%)A
Aluminum FluorideA
Aluminum Hydrogen Solution (10%)A
Aluminum HydroxideA
Alums (All Types)A
Ammonia (Aqueous)A
Ammonium AcetateA
Ammonium BifluorideA
Ammonium Carbonate (50%)A
Ammonium ChlorideA
Ammonium Hydrogen Fluoride (50%)A
Ammonium HydroxideA
Ammonium Metaphosphate Sat'dA
Ammonium Nitrate Sat'dA
Ammonium Persulfate Sat'dA
Ammonium PhosphateA
Ammonium SaltsA
Ammonium Sulfate Sat'dA
Ammonium Sulfide, Sat'dA
Ammonium Thiocyanate Sat'dA
Amyl AcetateA
Amyl Alcohol (100%)A
Amyl ChlorideC
Aniline (100%)B
Aniline HydrochlorideB
Anti FreezeA
Antimony SaltsA
Antimony Trichloride (90%)A

Aqua RegiaC
Aqueous Alkalies (NaOH)A
Arsenic AcidA
Barium CarbonateA
Barium ChlorideA
Barium CyanideA
Barium HydroxideA
Barium NitrateA
Barium SaltsA
Barium SulfateA
Barium SulfideA
Battery Fluid, AcidB
BenzaldehydeA
Benzene Sulfonic AcidB
BenzeneB
Benzoic AcidA
Benzyl AlcoholA
Benzyl ChloroformateA
Boric Acid Conc.A
Boric Acid DiluteA
Borzx Cold Sat'dA
Bromine, LiquidC
Bromine, WaterC
BromobenzeneC
BromoformC
ButadieneA
Butanediol (100%)A
ButanolA
Butyl AcetateA
Butyl Alcohol (100%)A
Butyl PhenolC
Butylene GlycolA
Butylene LiquidC
ButyleneC
Butyric AcidA
Calcium CarbonateA
Calcium ChlorideA
Calcium HydroxideA
Calcium HypochloriteA
Calcium Nitrate (50%)A
Calcium SulfateA

Carbon BisulfideC
Carbon DisulfideC
Carbon MonoxideA
Carbon TetrachlorideC
Carbonic Acid (Aq. CO₂)A
Caustic (Aqueous)A
Caustic Potash Sol. (50%)A
Caustic Soda Sol. (10%)A
Chloroacetic AcidA
ChlorobenzeneA
ChloroformC
ChloromethaneC
Chlorsulfonic Acid (100%)C
Chrome Alum Sat'dA
Chromic Acid (50%)B
Clycolic Acid (All Conc.)A
Copper CyanideA
Cresylic AcidA
Crotonic AldehydeA
Cuprous Chloride Sat'dA
CyclohexanoneB
CyclohexaneA
CyclohexanolA
Dextrin Sat'dA
Dextrose Sat'dA
Di Isobutyl KetoneB
Dibutyl EtherC
Dibutyl SebacateB
DibutylphthalateB
Dichloroacetic AcidB
Dichlorobenzene, LiquidC
DichloroethyleneC
Diesel FuelB
Diesel OilB
DiethanolamineB
Diethyl CarbonateA
Diethylene GlycolA
Diglycolic Acid (30%)A
Dimethyl FormamideB
DimethylamineB
Dinonyl PhthalateC



Diocetyl Phthalate	C	Magnesium Hydroxide	A	Potassium Hydroxide	A
Dioxane	A	Magnesium Nitrate	A	Potassium Nitrate Sat'd	A
Diphenyl Oxide	C	Magnesium Oxide	A	Potassium Perborate Sat'd	A
Disodium Phosphate	A	Magnesium Salts	A	Potassium Perchlorate	A
Electrolyte	A	Magnesium Sulfate	A	Potassium Phosphates	A
Ethanol	A	Maleic Acid	A	Potassium Sulfate	A
Ether	C	Methanol	A	Propanol	A
Ethyl Acetate (100%)	B	Methyl Acetate	A	Propargyl Alcohol (7%)	A
Ethyl Alcohol	A	Methyl Alcohol (100%)	A	Propionic Acid (50%)	A
Ethyl Butyrate	B	Methyl Amine (32%)	A	Propyl Alcohol	A
Ethyl Chloride	C	Methyl Bromide	C	Propylene Dichloride (100%)	A
Ethyl Ether	C	Methyl Chloride	C	Propylene Glycol	A
Ethylene Chloride	C	Methyl Ethyl Ketone	B	Propylene Oxide	A
Ethylene Chlorohydrin	A	Methyl Isobutyl Ketone	B	Pyridine	B
Ethylene Diamine	A	Methyl Isopropyl Ketone	B	Selenic Acid	A
Ethylene Dichloride	C	Methyl Sulfate	A	Sewage	A
Ethylene Glycol	A	Methyl Sulfuric Acid (All Conc.)	A	Silicic Acid	A
Ethylene Oxide	C	Methylene Chloride	C	Silver Nitrate	A
Fatty Acids	A	Mineral Oils	A	Soda Ash	A
Ferric Sulfate	A	Monochloroacetic Acid Ethyl Ester	A	Sodium Acetate Sat'd	A
Ferrous Salts	A	Monochloroacetic Acid Methyl Ester	A	Sodium Benzoate	A
Ferrous Sulfate	A	Mowilith D	A	Sodium Bisulfate (10%)	A
Fluoboric Acid	A	Naptha	B	Sodium Bisulfite	A
Fluosilicic Acid (All Conc.)	A	Napthalene	B	Sodium Bromate	B
Formaldehyde (40%)	A	Nicotine Dilute	A	Sodium Chloride	A
Formamide	A	Nicotinic Acid	A	Sodium Chlorite	A
Formic Acid (All Conc.)	A	Nitric Acid (50%)	A	Sodium Chromate	A
Fuel Oil	A	Nitrobenzene	B	Sodium Disulfite	A
Furfural (100%)	A	Nitrotoluene	B	Sodium Dithionite (10%)	A
Furfuryl Alcohol	C	Octyl Cresol	A	Sodium Fluoride Sat'd	A
Gallic Acid Sat'd	A	Oleic Acid (All Conc.)	A	Sodium Hydroxide Conc	A
Gasoline	A	Oleum Conc	C	Sodium Hypochlorite	A
Gluconic Acid (All Conc.)	A	Oxalic Acid (All Conc.)	A	Sodium Nitrate	A
Glycerine	A	Palmitic Acid	C	Sodium Oxalate	A
Glycol	A	Paraffin Emulsions	A	Sodium Persulfate	A
Heptane	A	Perchloric Acid (50%)	A	Sodium Phosphate	A
Hexane	A	Perchloroethylene	B	Sodium Sulfonates	A
Hydrazone Hydrate	A	Petroleum Ether	B	Stearic Acid (All Conc.)	A
Hydrobromic Acid (50%)	A	Petroleum	A	Succinic Acid	A
Hydrochloric Acid (All Conc.)	A	Phenylhydrazine	C	Sulfuric Acid (98%)	B
Hydrocyanic Acid Sat'd	A	Phosphoric Acid (All Conc.)	A	Sulfuric Acid, Fuming	C
Hydrofluoric Acid (All Conc.)	A	Phosphorous (Yellow 100%)	A	Sulfurous Acid	A
Hydrofluorisilicic Acid (All Conc.)	A	Phosphorous Chlorides	B	Sulfuryl Chloride	C
Hydrogen Bromide (10%)	A	Phosphorous Pentoxide	A	Tartaric Acid Sat'd	A
Hydrogen Peroxide (90%)	A	Photographic Solutions	A	Tetrachlorethylene	C
Hydrogen Phosphide (100%)	A	Phthalic Acid (All Conc.)	A	Tetrachloroethane	C
Hydrogen Sulfide	A	Phthalic Anhydride	A	Tetrahydrofuran	C
Hydroiodic Acid (All Conc.)	A	Pickling Baths		Tetrahydronaphthalene	C
Hydroquinone	A	• Sulfuric Acid	A	Thionyl Chloride	C
Hydrosulfite (10%)	A	• Hydrochloric Acid	A	Titanium Salts	B
Hydroxylamine Sulfate	A	Picric Acid (1%)	A	Toluene Sulfonic Acid (All Conc.)	B
Hydrozine (35%)	A	Plating Solutions	A	Toluene	B
Hydrozine Hydrochloride	A	Potassium Aluminum Sulfates (50%)	A	Transformer Oil	A
Hypochlorous Acid	A	Potassium Bichromate	A	Tributylphosphate	A
Iso Octane	B	Potassium Borate (10%)	A	Trichloroacetic Acid	B
Isopropyl Acetate	A	Potassium Bromide	A	Trichloroethane	C
Isopropyl Alcohol	A	Potassium Chlorate	A	Trichloroethylene	C
Isopropyl Ether	C	Potassium Chloride	A	Tricresyl Phosphate	A
Jet Fuel	B	Potassium Chromate	A	Triethanolamine	A
Kerosene	B	Potassium Cyanide	A	Trioctyl Phosphate	C
Lactic Acid (All Conc.)	A	Potassium Dichromate (40%)	A	Trisodium Phosphate Sat'd	A
Lead Acetate Sat'd	A	Potassium Ferri Ferro Cyanide Sat'd	A	Turpentine Oil	C
Magnesium Carbonate	A	Potassium Fluoride	A	Xylene	C