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Chemical Compatibility Guide For Ultra-Spill Pallets / Economy Model ULT1112, ULT1113, ULT2504, ULT2505

This Chemical Compatibility Guide is offered for informational purposes only and was developed from information sources other than SpillTech. The information from such third party sources is believed to be reliable and accurate; however, Purchaser should make its own determination of compatibility before using any SpillTech product.

It is the sole responsibility of the Purchaser to determine whether any product is suitable for Purchaser's actual or intended uses.

This listing was prepared to provide guidance to the chemical compatibility 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.

When considering a polyethylene product for use in secondary containment applications, it is important to note that most secondary containment products are designed to hold leaked chemicals for only hours, a day, at most a week. These secondary containment units would then be cleaned of any chemical. In these short term applications, a greater variety of chemicals may be used with the polyethylene since the exposure time of the chemical to the polyethylene is limited.

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Rating Key:

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

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

C = Do NOT store these chemicals in these containers. User testing may prove some of these chemicals are suitable for secondary containment applications with exposure time of one week or less.

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| Acetaldehyde (40%) | A | Cyclohexanol | A | Naptha | B |
| Acetamide | A | Dextrin Sat'd | A | Napthalene | B |
| Acetone | A | Dextrose Sat'd | A | Nicotine Dilute | A |
| Acetylene Tetrabromide | B | Di Isobutyl Ketone | B | Nicotinic Acid | A |
| Acrylic Emulsions | B | Dibutyl Ether | C | Nitric Acid <50% | A |
| Acrylonitrile | A | Dibutyl Sebacate | B | Nitrobenzene | B |
| Adipic Acid | A | Dibutylphthalate | B | Nitrotoluene | B |
| Aliphatic Hydrocarbons | A | Dichloroacetic Acid | B | Octyl Cresol | A |
| Alkaline | A | Dichlorobenzene Liquid | C | Oleic Acid (All Conc.) | A |
| Allyl Alcohol (96%) | A | Dichloroethylene | C | Oleum Conc. | C |
| Aluminum Chloride (20%) | A | Diesel Fuel | B | Oxalic Acid (All Conc.) | A |
| Aluminum Fluoride | A | Diesel Oil | B | Palmitic Acid | C |
| Aluminum Hydrogen Solution (10%) | A | Diethanolamine | B | Paraffin Emulsions | A |
| Aluminum Hydroxide | A | Diethyl Carbonate | A | Perchloric Acid (50%) | A |
| Alums (All Types) | A | Diethylene Glycol | A | Perchloroethylene | B |

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| Ammonia (Aqueous) | A | Digycolic Acid (30%) | A | Petroleum Ether | B |
| Ammonium Acetate | A | Dimethyl Formamide | B | Petroleum | A |
| Ammonium Bifluoride | A | Dimethylamine | B | Phenylhydrazine | C |
| Ammonium Carbonate (50%) | A | Dinonyl Phthalate | C | Phosphoric Acid (All Conc.) | A |
| Ammonium Chloride | A | Diocetyl Phthalate | C | Phosphorous (Yellow 100%) | A |
| Ammonium Hydrogen Fluoride (50%) | A | Dioxane | A | Phosphorous Chlorides | B |
| Ammonium Hydroxide | A | Diphenyl Oxide | C | Phosphorous Pentoxide | A |
| Ammonium Metaphosphate Sat'd | A | Disodium Phosphate | A | Photographic Solutions | A |
| Ammonium Nitrate Sat'd | A | Electrolyte | A | Phthalic Acid (All Conc.) | A |
| Ammonium Persulfate Sat'd | A | Ethanol | A | Phthalic Anhydride | A |
| Ammonium Phosphate | A | Ether | C | Pickling Baths in Sulfuric Acid | A |
| Ammonium Salts | A | Ethyl Acetate (100%) | B | Pickling Baths in Hydrochloric Acid | A |
| Ammonium Sulfate Sat'd | A | Ethyl Alcohol | A | Picric Acid (1%) | A |
| Ammonium Sulfide Sat'd | A | Ethyl Butyrate | B | Plating Solutions | A |
| Ammonium Thiocyanate Sat'd | A | Ethyl Chloride | C | Potassium Aluminum Sulfates (50%) | A |
| Amyl Acetate | A | Ethyl Ether | C | Potassium Bichromate | A |
| Amyl Alcohol (100%) | A | Ethylene Chloride | C | Potassium Borate (10%) | A |
| Amyl Chloride | C | Ethylene Chlorohydrin | A | Potassium Bromide | A |
| Aniline (100%) | B | Ethylene Diamine | A | Potassium Chlorate | A |
| Aniline Hydrochloride | B | Ethylene Dichloride | C | Potassium Chloride | A |
| Anti Freeze | A | Ethylene Glycol | A | Potassium Chromate | A |
| Antimony Salts | A | Ethylene Oxide | C | Potassium Cyanide | A |
| Antimony Trichloride (90%) | A | Fatty Acids | A | Potassium Dichromate (40%) | A |
| Aqua Regia | C | Ferric Sulfate | A | Potassium Ferri Ferro Cyanide Sat'd | A |
| Aqueous Alkalies (NaOH) | A | Ferrous Salts | A | Potassium Fluoride | A |
| Arsenic Acid | A | Ferrous Sulfate | A | Potassium Hydroxide | A |
| Asctetic Acid (50%) | A | Fluoboric Acid | A | Potassium Nitrate Sat'd | A |
| Asctetic Acid Anhydride | B | Fluosilicic Acid (All Conc.) | A | Potassium Perborate Sat'd | A |
| Asctetic Ether | B | Formaldehyde (40%) | A | Potassium Perchlorate | A |
| Barium Carbonate | A | Formamide | A | Potassium Phosphates | A |
| Barium Chloride | A | Formic Acid (All Conc.) | A | Potassium Sulfate | A |
| Barium Cyanide | A | Fuel Oil | A | Propanol | A |
| Barium Hydroxide | A | Furfural (100%) | A | Propargyl Alcohol (7%) | A |
| Barium Nitrate | A | Furfuryl Alcohol | C | Propionic Acid (50%) | A |
| Barium Salts | A | Gallic Acid Sat'd | A | Propyl Alcohol | A |
| Barium Sulfate | A | Gasoline | A | Propylene Dichloride (100%) | A |
| Barium Sulfide | A | Gluconic Acid (All Conc.) | A | Propylene Glycol | A |
| Battery Fluid Acid | B | Glycerine | A | Propylene Oxide | A |
| Benzaldehyde | A | Glycol | A | Pyridine | B |
| Benzene Sulfonic Acid | B | Heptane | A | Selenic Acid | A |
| Benzene | B | Hexane | A | Sewage | A |
| Benzoic Acid | A | Hydrazone Hydrate | A | Silicic Acid | A |
| Benzyl Alcohol | A | Hydrobromic Acid (50%) | A | Silver Nitrate | A |
| Benzyl Chloroformate | A | Hydrochloric Acid (All Conc.) | A | Soda Ash | A |
| Boric Acid Conc. | A | Hydrocyanic Acid Sat'd | A | Sodium Acetate Sat'd | A |
| Boric Acid Dilute | A | Hydrofluoric Acid (All Conc.) | A | Sodium Benzoate | A |
| Borzx Cold Sat'd | A | Hydrofluorisilicic Acid (All Conc.) | A | Sodium Bisulfate (10%) | A |
| Bromine Liquid | C | Hydrogen Bromide (10%) | A | Sodium Bisulfite | A |

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|---------------------------|---|------------------------------------|---|-----------------------------------|---|
| Bromine Water | C | Hydrogen Peroxide (90%) | A | Sodium Bromate | B |
| Bromobenzene | C | Hydrogen Phosphide (100%) | A | Sodium Chloride | A |
| Bromoform | C | Hydrogen Sulfide | A | Sodium Chlorite | A |
| Butadiene | A | Hydroiodic Acid (All Conc.) | A | Sodium Chromate | A |
| Butanediol (100%) | A | Hydroquinone | A | Sodium Disulfite | A |
| Butanol | A | Hydrosulfite (10%) | A | Sodium Dithionite (10%) | A |
| Butyl Acetate | A | Hydroxylamine Sulfate | A | Sodium Fluoride Sat'd | A |
| Butyl Alcohol (100%) | A | Hydrozine (35%) | A | Sodium Hydroxide Conc. | A |
| Butyl Phenol | C | Hydrozine Hydrochloride | A | Sodium Hypochlorite | A |
| Butylene Glycol | A | Hypochlorous Acid | A | Sodium Nitrate | A |
| Butylene Liquid | C | Iso Octane | B | Sodium Oxalate | A |
| Butylene | C | Isopropyl Acetate | A | Sodium Persulfate | A |
| Butyric Acid | A | Isopropyl Alcohol | A | Sodium Phosphate | A |
| Calcium Carbonate | A | Isopropyl Ether | C | Sodium Sulfonates | A |
| Calcium Chloride | A | Jet Fuel | B | Stearic Acid (All Conc.) | A |
| calcium Hydroxide | A | Kerosene | B | Succinic Acid | A |
| Calcium Hypochlorite | A | Lactic Acid (All Conc.) | A | Sulfuric Acid (98%) | B |
| Calcium Nitrate (50%) | A | Lead Acetate Sat'd | A | Sulfuric Acid Fuming | C |
| Calcium Sulfate | A | Magnesium Carbonate | A | Sulfurous Acid | A |
| Carbon Bisulfide | C | Magnesium Hydroxide | A | Sulfuryl Chloride | C |
| Carbon Disulfide | C | Magnesium Nitrate | A | Tartaric Acid Sat'd | A |
| Carbon Monoxide | A | Magnesium Oxide | A | Tetrachlorethylene | C |
| Carbon Tetrachloride | C | Magnesium Salts | A | Tetrachloroethane | C |
| Carbonic Acid (Aq. CO2) | A | Magnesium Sulfate | A | Tetrahydrofurane | C |
| Caustic (Aqueous) | A | Maleic Acid | A | Tetrahydronaphthalene | C |
| Caustic Potash Sol. (50%) | A | Methanol | A | Thionyl Chloride | C |
| Caustic Soda Sol. (10%) | A | Methyl Acetate | A | Titanium Salts | B |
| Chloroacetic Acid | A | Methyl Alcohol (100%) | A | Toluene Sulfonic Acid (All Conc.) | B |
| Chlorobezene | A | Methyl Amine (32%) | A | Toluene | B |
| Chloroform | C | Methyl Bromide | C | Transformer Oil | A |
| Chloromethane | C | Methyl Chloride | C | Tributylphosphate | A |
| Chlorsulfonic Acid (100%) | C | Methyl Ethyl Ketone | B | Trichloroacetic Acid | B |
| Chrome Alum Sat'd | A | Methyl Isobutyl Ketone | B | Trichloroethane | C |
| Chromic Acid (50%) | B | Methyl Isopropyl Ketone | B | Trichloroethylene | C |
| Clycolic Acid (All Conc.) | A | Methyl Sulfate | A | Trichloroethylene | C |
| Copper Cyanide | A | Methyl Sulfuric Acid (All Conc.) | A | Tricresyl Phosphate | A |
| Cresylic Acid | A | Methylene Chloride | C | Triethanolamine | A |
| Crotonic Aldehyde | A | Mineral Oils | A | Trioctyl Phosphate | C |
| Cuprous Chloride Sat'd | A | Monochloroacetic Acid Ethyl Ester | A | Trisodium Phosphate Sat'd | A |
| Cyclohexanone | B | Monochloroacetic Acid Methyl Ester | A | Turpentine Oil | C |
| Cyclohexane | A | Mowilith D | A | Xylene | C |