

Polyethylene Chemical Compatibility Guide



AJ spill pallets, articles: 20180-84, 20186, 20195, 20196, 20199, 24788, 24789
24790, 24791, 24792, 24796, 24905, 24906, 24907

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This chart provides a guideline for the chemical resistance of Polyethylene plastics used in Emtez products. Because so many factors can affect chemical resistance, test your product under your actual conditions of use.

CHEMICAL	CHEMICAL	CHEMICAL	CHEMICAL
Acetaldehyde 40%	Butadiene	Ferrous Sulphate	Mercury
Acetamide	Butanediol	Fluoboric Acid	Methanol
Acetic Acid 10%	Butanol	Fluosilicic Acid	Methyl Acetate
Acetone	Butyl Acetate	Formaldehyde 40%	Methyl Alcohol
Acrylonitrile	Butyl Alcohol	Formamide	Methyl Amine 32%
Adipic Acid	Butylene Glycol	Formic Acid	Methyl Sulphate
Aliphatic Hydrocarbons	Butyric Acid	Fruit Pulp sol	Methyl Sulphuric Acid
Allyl Alcohol 96%	Calcium Carbonate sat.sol	Furfural	Monchloroacetic Acid Methyl Ester
Alum (aqu.sol)	Calcium Chloride	Gallic Acid sat.so	Monochloroacetic Acid Ethyl Ester
Aluminium Chloride sat.sol	Calcium Hydroxide	Gluconic Acid	Morpholin
Aluminium Fluoride	Calcium Hypochlorite sol	Glycerine	MowilithD
Aluminium Hydrogen sol 10%	Calcium Nitrate 50%	Glycol	Muriatic Acid
Aluminium Hydroxide	Calcium Sulphate sat.sol	Glycol Ethers	Nickel Chloride sat.so
Aluminium Sulphate sat.sol	Carbon Monoxide	Glycolic Acid	Nicotine Dilute
Ammonia (100% Dry Gas)	Carbonic Acid (Aq.CO2)	Heptane	Nicotinic Acid
Ammonia (Anhydrous)	Caustic (Aqueous)	Hexane	Nitric Acid 25%
Ammonia (aqu.sol)	Caustic Potash Sol. 50%	Hexanel Tert	n-Octane
Ammonium Acetate	Caustic Soda Sol. 10%	Hydrazine 35%	Octyl Cresol
Ammonium Bifluoride	Chloral Hydrate	Hydrazine Hydrate	Oleic Acid
Ammonium Carbonate 50%	Chloric Acid 10%	Hydrazine Hydrochloride	Orthophosphoric Acid 50%
Ammonium Chloride	Chloroacetic Acid	Hydrobromic Acid 50%	Oxalic Acid
Ammonium Hydrogen Fluoride 50%	Chlorobenzene	Hydrochloric Acid 36%	Paraffin Emulsions
Ammonium Hydroxide	Chloroethanol	Hydrocyanic Acid sat.sol	Paraffin Oil
Ammonium Metaphosphate sat.so	Chrome Alum sat.sol	Hydrofluoric Acid 40%	Perchloric Acid 20%
Ammonium Nitrate sat.sol	Chromic Acid sat.sol	Hydrofluorisilicic Acid	Petrol
Ammonium Persulphate sat.so	Citric Acid 25%	Hydrogen Bromide 10%	Phosphoric Acid 50%
Ammonium Phosphate	Clorox Bleach	Hydrogen Peroxide 20%	Phosphorous Pentoxide
Ammonium Sulphide sat.sol	Copper Cyanide	Hydrogen Phosphide 100%	Phosphorous Yellow
Ammonium Thiocyanate sat.sol	Copper Nitrate	Hydrogen Sulphide	Phtalic Anhydride
Amyl Acetate	Copper Sulphate	Hydroiodic Acid	Phtalic Acid
Amyl Alcohol	Cresol 90%	Hydrosulphite 10%	Picric Acid 1%
Antimony Salts	Cresylic Acid	Hydroxylamine Sulphate	Potash
Antimony Trichloride 90%	Crotonic Aldehyde	Hypochlorous Acid	Potassium Bichromate
Aqueous Alkalies (NaOH)	Cuprous Chloride sat.sol	Iodine (Alc. Sol.) Conc	Potassium Borate 10%
Arsenic Acid	Cyclohexanol	Iron (II) Chloride sat.sol	Potassium Bromide
Asorbic Acid 10%	Cyclohexane	Iron (II) Sulphate sat.sol	Potassium Chlorate
Barium Carbonate sat.sol	Dextrin sat.so	Iron (III) Chloride sat.sol	Potassium Chloride
Barium Chloride	Dextrose sat.sol	Iron (III) Nitrate sat.sol	Potassium Chromate
Barium Cyanide	Diethyl Carbonate	Iron (III) Sulphate sat.sol	Potassium Cyanide
Barium Hydroxide sat.sol	Diethylene Glycol	Isopropanol	Potassium Dichromate 40%
Barium Nitrate	Diglycolic Acid 30%	Isopropyl Acetate	Potassium Fluoride
Barium Sulphate sat.sol	Dioxane	Isopropyl Alcohol	Potassium Hydroxide
Barium Sulphide	Disodium Phosphate	Lactic Acid (All Conc)	Potassium Iodide
Battery Fluid, Acid	Electrolyte	Lead Acetate sat.sol	Potassium Nitrate sat.sol
Benzaldehyde	Ethanol	Magnesium Carbonate	Potassium Perborate sat.sol
Benzene Ethylene Diamine	Ethylene Chlorohydrin	Magnesium Hydroxide	Potassium Perchlorate
Benzoic Acid	Ethylene Glycol	Magnesium Nitrate	Potassium Permanganate
Benzyl Alcohol	Ferric Chloride sat.sol	Magnesium Oxide	Potassium Persulphate sat.sol
Benzyl Chloroformate	Ferric Nitrate sat.sol	Magnesium Sulphate	Potassium Phosphates
Boric Acid Conc	Ferric Salts	Maleic Acid	Potassium Sulphate
Boric Acid Dilute	Ferric Sulphate sat.sol	Malic Acid 1%	Potassium/Aluminum

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CHEMICAL
Propanol
Propargyl Alcohol 7%
Propionic Acid 50%
Propyl Alcohol
Propylene Dichloride
Propylene Glycol
Propylene Oxide
Selenic Acid
Silicic Acid
Silver Nitrate
Sodium Acetate sat.sol
Sodium Acrylates
Sodium Benzoate
Sodium Bicarbonate
Sodium Bisulphate sat.sol
Sodium Bisulphite
Sodium Bromide
Sodium Carbonate
Sodium Chlorate
Sodium Chloride
Sodium Chromate
Sodium Disulphite
Sodium Dithionite 10%
Sodium Ferricyanide
Sodium Ferrocyanide sat.sol
Sodium Fluoride sat.sol
Sodium Hydroxide Conc.
Sodium Hypochlorite
Sodium Iodide
Sodium Nitrate
Sodium Oxalate
Sodium Persulphate
Sodium Phosphate
Sodium Silicate
Sodium Sulphate
Sodium Sulphide
Sodium Sulphonates
Sodium Thiosulphate
Starch Solution sat.sol
Stearic Acid
Succinic Acid
Sulphates 50%
Sulphur
Sulphuric Acid 50%
Tannic Acid sol
Tanning Extracts
Tartaric Acid sat.sol
Tetraethyl Lead
Tributylphosphate
Tricresyl Phosphate
Triethanolamine
Trisodium Phosphate sat.sol
Urea
Wetting Agents
White Acid 75%
Yeast sol
Zinc Bromide sat.sol
Zinc Chloride sat.sol
Zinc Sulphate