

Nasco SAMPLING

4916 East Broadway, Madison, WI 53716

Polyethylene Chemical Compatibility Guide

L = Excellent for long term storage at 100° F or lower.

S = Good for storage less than one year.

N = DO NOT store these compounds in polyethylene containers.

Nasco Sampling assumes no responsibility or liability for the use or misuse of this information. User is solely responsible for determining compatibility.

ACETALDEHYDE (40%)	L	HYPPOCHLOROUS ACID	L
ACETAMIDE UTYLENE LIQUID	L	INKS	L
ACETIC ACID (50%)	L	IODINE (ALC. SOL.) CONC.	L
ACETIC ACID ANHYDRIDE	S	IRON SALTS	L
ACETIC ETHER	S	ISO-OCTANE	S
ACETONE	L	ISOPROPYL ACETATE	L
ACETYLENE TETRABROMIDE	S	ISOPROPHYL ALCOHOL	L
ACRYLIC EMULSIONS	S	ISOPROPYL ETHER	N
ACRYLONITRILE	L	JET FUEL	S
ADIPIC ACID	L	KEROSENE	S
ALIPHATIC HYDROCARBONS (HEXANE, OCTANE, HEXENE, OCTENE, ETC.)	L	LACTIC ACID (ALL CONC.)	L
ALKALINE	L	LANOLIN	L
ALLYL ALCOHOL (96%)	L	LATEX	L
ALUM (AQUEOUS SOLUTIONS)	L	LEAD SALTS	L
ALUMINUM CHOLRIDE (20%)	L	LEAD ACETATE SAT'D	L
ALUMINUM FLOURIDE	L	LIME	L
ALUMINUM HYDROGEN SOLUTION(10%)	L	LINSEED OIL	L
ALUMINUM HYDROXIDE	L	LITHIUM SALTS	L
ALUMS (ALL TYPES)	L	LUBE OIL	L
AMMONIA (ANHYDROUS)	L	MAGNESIUM SALTS	L
AMMONIA (AQUEOUS)	L	MAGNESIUM CARBONATE	L
AMMONIA (100% DRY GAS)	L	MAGNESIUM HYDROXIDE	L
AMMONIUM SALTS	L	MAGNESIUM NITRATE	L
AMMONIUM ACETATE	L	MAGNESIUM OXIDE	L
AMMONIUM BIFLOURIDE	L	MAGNESIUM SULFATE	L
AMMONIUM CARBONATE 50%	L	MALEIC ACID	L

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AMMONIUM CHLORIDE	L	MALIC ACID (1%)	L
AMMONIUM HYDROGEN FLOURIDE (50%)	L	MERCURIC SALTS	L
AMMONIUM HYDROXIDE	L	MERCUROUS SALTS	L
AMMONIUM METAPHOSPHAT SAT'D	L	MERCURY	L
AMMONIUM NITRATE (10%)	L	METHANOL	L
AMMONIUM NITRATE SAT'D	L	METHYL ACETATE	L
AMMONIUM PERSULFATE SAT'D	L	METHYL ALCOHOL (100%)	L

AMMONIUM PHOSPHATE	L	METHYL AMINE (32%)	L
AMMONIUM SULFATE (10%)	L	METHYL BROMIDE	N
AMMONIUM SULFATE SAT'D	L	METHYL CHLORIDE	N
AMMONIUM THIOCYNATE SAT'D	L	METHYLENE CHLORIDE	N
AMYL ACETATE	L	METHYL ETHYL KETONE	S
AMYL ALCOHOL (100%)	L	METHYL ISOBUTYL KETONE	S
AMYL CHLORIDE	N	METHYL ISOPROPYL KETONE	S
ANLINE (100%)	S	METHYL SULFATE	L
ANILINE HYDROCHLORIDE	S	METHYL SULFURIC ACID (ALL CONC.)	L
ANIMAL FATS	L	MILK	L
ANTI-FREEZE	L	MINERAL OILS	L
ANTIMONY SALTS	L	MOLASSES	L
ANTIMONY TRICHLORIDE 90%	L	MONOCHLOROACETIC ACID ETHYL ESTER	L
AQUA REGIA	N	MONOCHLOROACETIC ACID METHUL ESTER	L
AQUEOUS SALT SOLUTIONS (NaCl)	L	MORPHOLIN	L
AQUEOUS ALKALIES (NaOH)	L	MOWILITH D	L
ARSENIC ACID	L	NAPHTHA	S
ARSENIC SALTS	L	NAPHTHALENE	S
BARIUM SALTS	L	NICKEL SALTS	L
BARIUM CARBONATE	L	NICOTINE DILUTE	L
BARIUM CHLORIDE	L	NICOTINIC ACID	L
BARIUM CYNIDE	L	NITRIC ACID <50%	L
BARIUM HYDROXIDE	L	NITROBENZENE	S
BARIUM NITRATE	L	NITROTOLUENE	S
BARIUM SULFATE	L	OCTYLE CRESOL	L

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BARIUM SULFIDE	L	OILS AND FATS	L
BATTERY FLUID, ACID	S	OLEIC ACID (ALL CONC.)	L
BEEF TALLOW EMULSION, SULFONATED	L	OLEUM CONC.	N
BEER	L	OLIVE OIL	L
BENZALDEHYDE	L	ORANGE EXTRACT	L
BENZENE	L	OXALIC ACID (ALL CONC.)	L
BENZENE SULFONIC ACID	S	PALMITIC ACID	N
BENZOIC ACID	L	PALM OIL	S
BENZYL ALCOHOL	L	PARAFFIN EMULSIONS	L
BENZYL CHLOROFORMATE	L	PARAFFIN OIL	L
BISMUTH SALTS	L	PERCHLORIC ACID (50%)	L
BLEACH LYE (10%)	S	PERCHLOROETHYLENE	N
BLACK LIQUOR	L	PETROLEUM	L
BORAX COLD SAT'D	L	PETROLEUM ETHER	S
BORIC ACID DILUTE	L	PHENOL (10%)	S
BORIC ACID CONC.	L	PHENYLHYDRAZINE	N
BROMINE, LIQUID	N	PHOSPORIC ACID ALL CONC.	L

BROMINE, WATER	N	PHOSPHOROUS CHLORIDES	S
BROMBENZENE	N	PHOSPOROUS YELLOW (100%)	L
BROMOFORM	N	PHOSPHOROUS PENTOXIDE	L
BUTADIENE	L	PHOTOGRAPHIC SOLUTIONS	L
BUTANE	L	PHTHALIC ACID(ALL CONC.)	L
BUTANEDIOL, (100%)	L	PHTHALIC ANY HYDRIDE	L
BUTANOL	L	PICKLING BATHS SULFURIC ACID	L
BUTYL ACETATE	L	HYDROCHLORIC ACID	L
BUTYL ALCOHOL (100%)	L	PICRIC ACID (1%)	L
BUTYLENE	N	PLATING SOLUTIONS:	
BUTYLENE GLYCOL	L	BRASS	L
BUTYLENE LIQUID	N	CADMIUM	L
BUTYL PHENOL	N	COPPER	L
BUTYRIC ACID	L	GOLD	L
CALCIUM CARBONATE	L	INDIUM	L
CALCIUM CHLORIDE	L	LEAD	L
CALCIUM HYDROXIDE	L	NICKEL	L
CALCIUM HYPOCHLORITE	L	RHODIUM	L

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CALCIUM NITRATE (50%)	L	SILVER	L
CALCIUM SULFATE	L	TIN	L
CAMPHOR OIL	N	POTASH	L
CARBON BISULFIDE	N	POTASSIUM/ALUMINUM SULFATES (50%)	L
CARBON DISULFIDE	N	POTASSIUM BICHROMATE	L
CARBONIC ACID (AQ.CO2)	L	POTASSIUM BORATE (10%)	L
CARBON MONOXIDE	L	POTASSIUM BROMIDE	L
CARBON TETRACHLORIDE	N	POTASSIUM CHLORATE	L
CASTOR OIL CONC.	L	POTASSIUM CHLORIDE	L
CAUSTIC (AQUEOUS)	L	POTASSIUM CHROMATE	L
CAUSTIC POTASH SOL.(50%)	L	POTASSIUM CYNIDE	L
CAUSTIC SODA SOL. (10%)	L	POTASSIUM DICROMATE 40%	L
CHLORAL HYDRATE	L	POTASSIUM FERRI/FERRO CYNIDE SAT'D	L
CHLOROETHANOL	L	POTASSIUM FLUORIDE	L
CHLORIC ACID (10%)	L	POTASSIUM HYDROXIDE	L
CHLOROACETIC ACID	L	POTASSIUM IODINE	L
CHLOROBENZENE	L	POTASSIUM NITRATE SAT'D	L
CHLOROFORM	N	POTASSIUM PERBORATE SAT	L
CHLOROMETHANE	N	POTASSIUM PERCHLORATE	L
CHLOROSULFONIC ACID 100%	N	POTASSIUM PERMANGANATE	L
CHROME ALUM SAT'D	L	POTASSIUM PERSULFATE SAT'D	L
CHROMIC ACID (50%)	S	POTASSIUM PHOSPHATES	L
CIDER	L	POTASSIUM SULFATE	L
CITRIC ACID (ALL CONC.)	L	PROPANOL	L
CLOROX BLEACH	L	PROPARGYL ALCOHOL (7%)	L
COCONUT OIL ALCOHOLS	L	PROPIONIC ACID (50%)	L
COLA CONCENTRATES	L	PROPYL ALCOHOL	L
COMPRESSED AIR - CONDITIONING OIL	L	PROPYLENE DICHLORIDE(100%)	L
COPPER SALTS	L	PROPYLENE GLYCOL	L
COPPER CYANIDE	L	PROPYLENE OXIDE	L
COPPER NITRATE	L	PYRIDINE	S
COPPER SULFATE	L	RAYON COAGULATION SALTS	L
CORN OIL	L	RUST INHIBITORS	L
COTTONSEED OIL	L	SEA WATER	L

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CRESOL (90%)	L	SELENIC ACID	L
CRESYLIC ACID	L	SEWAGE	L
CROTONIC ALDEHYDE	L	SHORTENING	L
CUPROUS CHLORIDE SAT'D	L	SILICIC ACID	L
CYCLOHEXANE	L	SILICONE OIL	L
CYCLOHEXANOL	L	SLIVER SALTS	L
CHCLOHEXANONE	S	SLIVER NITRATE	L
DETERGENTS, GENERAL	L	SOA SOLUTION (ALL CONC)	L
DEVELOPER, PHOTOGRAPHIC	L	SODA ASH	L
DEXTRIN SAT'D	L	SODIUM SALTS	L
DEXTROSE SAT'D	L	SODIUM ACETATES SAT'D	L
DIBUTYL ETHER	N	SODIUM ACRYLATES	L
DIBUTYPHTHALATE	S	SODIUM BENZOATE	L
DIBUTYL SEBACATE	S	SODIUM BICARBONATE	L
DICHLORACETIC ACID	S	SODIUM BUSULFATE (10%)	L
DICHLORACETIC ACID, METHYL ESTER	L	SODIUM BISULFITE	L
DICHLOROBENZENE, LIQUID	N	SODIUM BROMATE	S
DICHLOROETHYLENE	N	SODIUM BROMIDE	L
DIESEL FUEL	S	SODIUM BROMIDE DILUTE SOL.	L
DIESEL OIL	S	SODIUM CARBONATE	L
DIETHYL CARBONATE	L	SODIUM CHLORATE	L
DISODIUM PHOSPHATE	L	SODIUM CHLORIDE	L
DIAZO SALTS	L	SODIUM CHLORITE	L
DIETHYLENE GLYCOL	L	SODIUM CHROMATE	L
DIETHANOLAMINE	S	SODIUM DISULFITE	L
DIGLYCOLIC ACID (30%)	L	SODIUM DITHOINITE (10%)	L
DI-ISOBUTYL KETONE	S	SODIUM FERRICYANIDE	L
DIMETHYLAMINE	S	SODIUM FERROCYANIDE SAT	L
DIMETHYL FORMAMIDE	S	SODIUM FLUORIDE SAT'D	L
DINONYL PHTHALATE	N	SODIUM HYDROXIDE CONC.	L
DIOCTYL PHTHALATE	N	SODIUM HYPOCHLORITE	L
DIOXANE	L	SODIUM IODINE	L
DIPHENYL OXIDE	N	SODIUM NITRATE	L
ELECTROLYTE	L	SODIUM OXALATE	L
EMULSIONS, PHOTOGRAPHIC	L	SODIUM PERSULFATE	L
ETHANOL	L	SODIUM PHOSPHATE	L

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ETHER	N	SODIUM SILICATE	L
ETHYL ACETATE (100%)	S	SODIUM SULFATE	L
ETHYL ALCOHOL	L	SODIUM SULFIDE	L
ETHYL BUTYRATE	S	SODIUM SULFITE	L
ETHYL CHLORIDE	N	SODIUM SULFONATES	L
ETHYL ETHER	N	SODIUM THIOSULFATE	L
ETHYLENE CHLORIDE	N	SPINDLE OIL	N
ETHYLENE CHLOROHYDRIN	L	STANNIC SALTS	L
ETHYLENE DIAMINE	L	STANNOUS SALTS	L
ETHYLENE DICHLORIDE	N	STARCH SOLUTION SAT'D	L
ETHYLENE GLYCOL	L	STEARIC ACID (ALL CONC.)	L
ETHYLENE OXIDE	N	SUCCINIC ACID	L
FATTY ACIDS	L	SUGAR SOLUTIONS:	
FATTY ALCOHOL, SULFONATE	L	GLUCOSE	L
FERRIC SALTS	L	LACTOSE	L
FERRIC SULFATE	L	SUCROSE, ETC.	L
FERROUS SALTS	L	SULFUR	L
FERROUS SULFATE	L	SULFURIC ACID (98%)	S
FERTILIZER SALTS	L	SULFURIC ACID, FUMING	N
FISH SOLUBLES	L	SULFUROUS ACID	L
FLUOBORIC ACID	L	SULFURYL CHLORIDE	N
FLUOSILICIC ACID (ALL CONC.)	L	TALLOW	L
FORMALDEHYDE (40%)	L	TANNIC ACID	L
FORMAMIDE	L	TANNING EXTRACTS	L
FORMIC ACID (ALL CONC.)	L	TARTARIC ACID SAT'D	L
FRUIT PULP	L	TETRACHLOROETHANE	N
FUEL OIL	L	TETRACHLOROETHYLENE	N
FURFURAL (100%)	L	TETRAETHYL LEAD	L
FURFURYL ALCOHOL	N	TETRAHYDROFURANE	N
GALLIC ACID SAT'D	L	TETRAHYDRONAPHTHALENE	N
GASOLINE	L	THIONYL CHLORIDE	N
GASOHOL	L	TIN SALTS	L
GELATINE	L	TITANIUM SALTS	S
GIN	L	TOLUENE	S
GLUCONIC ACID (ALL CONC)	L	TOLUENE SULFONIC ACID (ALL CONC.)	S

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GLUCOSE	L	TRANSFORMER OIL	L
GLYCERINE	L	TRIBUTYLPHOSPHATE	L
GLYCOL	L	TRICHLOROACETIC ACID	S
GLYCOL ETHERS	L	TRICHLOROETHANE	N
GLYCOLIC ACID(ALL CONC)	L	TRICHLOROETHYLENE	N
GRAPE SUGAR SAT'D AQ.	L	TRICRESYL PHOSPHATE	L
HEPTANE	L	TRIETHANOLAMINE	L
HEXANE	L	TRIOCTYL PHOSPHATE	N
HEXANOL TERT	L	TRISODIUM PHOSPHATE SATD	L
HYDROZINE HYDRATE	L	TRICHLOROETHYLENE	N

HYDROSULFITE (10%)	L	TURPENTINE OIL	N
HYDROXYLAMINE SULFATE	L	UREA	L
HYDROZINE (35%)	L	URINE	L
HYDROZINE HYDROCHLORIDE	L	VEGETABLE OILS	L
HYDROIODIC ACID (ALL CONC.)	L	VINEGAR	L
HYDROBROMIC ACID (50%)	L	VANILLA EXTRACT	L
HYDROCYANIC ACID SAT'D	L	WAX ALCOHOL	N
HYDROCHLORIC ACID (ALL CONC.)	L	WETTING AGENTS	L
HYDROFLUORIC ACID (ALL CONC.)	L	WHISKY	L
HYDROFLUORISILICIC ACID (ALL CONC.)	L	WHITE ACID (75%)	L
HYDROGEN BROMIDE (10%)	L	WINE	L
HYDROGEN PEROXIDE (90%)	L	XYLENE	N
HYDROGEN PHOSPHIDE 100%	L	YEAST	L
HYDROQUINONE	L	ZINC SALTS	L
HYDROGEN SULFIDE	L	ZINC SULFATE	L