

CHEMICAL RESISTANCE

All our **Polytank** containers are made of a medium-density polyethylene plastic which is resistant to many, but not all chemicals. Mechanical stress, high temperatures, and extended use tend to multiply the effects of chemicals on the tank. Such effects should be taken into account when using **Polytanks** for long-term chemical storage or with handling equipment. Under normal conditions, chemicals rated "S" may be safely

handled in **Polytanks**. A "V" rating indicates that conditions of use may affect resistance. Chemicals rated "U" are not recommended for storage in **Polytanks**. "-" Indicates insufficient or no test data. Check this Chemical Resistance Chart for compatibility with your intended use.

This chart applies to tank materials at temperatures from 70°F/21°C to 140°F/60°C.

NOTE: The chemical resistance information in this chart is a general guide only. Because many factors can affect chemical resistance, you should test under your own conditions. If doubt exists about specific applications of **Polytanks**, please call 1-800-328-7659.

Description	% Conc.	70°	140°	Description	% Conc.	70°	140°	Description	% Conc.	70°	140°
Acetaldehyde*	10	V	U	Barium Hydroxide		S	S	Corn Oil*		S	S
Acetic Acid*	10	S	S	Beer		S	S	Cottonseed Oil*		S	S
Acetic Acid*	60	S	V	Benzene*##		U	U	Cuprous Chloride	Sat'd.	S	S
Acetic Anhydride*		U	U	Benzoic Acid	All Conc.	S	S	Description	% Conc.	70°	140°
Acetone		U	U	Bleachlye	10	S	S	Detergents, Synthetic*		S	S
Acrylic Emulsions*		U	U	Borax	Sat'd.	S	S	Developers, Photographic		S	S
Adipic Acid		S	S	Boric Acid	All Conc.	S	S	Dextrin	Sat'd.	S	S
Air		S	S	Boron Trifluoride		S	S	Destrose	Sat'd.	S	S
Alcohol:				Brine		S	S	Diazo Salts		S	S
Allyl*		U	U	Bromine Gas	Weak	U	U	Dibutylphthalate*+		V	V
Amyl*+	100	S	S	Bromine Liquid	100	U	U	Dichlorobenzene*+		U	U
n-Butyl*	100	S	S	Bromine Water#	Sat'd	U	U	Diethyl Ketone*+		V	V
Ethyl*	100	S	S	Butanediol*	All Conc.	S	S	Diethylene Glycol*		S	S
Ethyl*	35	S	S	Butter*		S	S	Diglycolic Acid*		S	S
Furfuryl*+		V	U	n-Butyl Acetate*+	100	S	U	Dimethylamine		U	U
Hexyl*		-	-	Butyric Acid+	Conc.	U	U	Disodium Phosphate		S	S
Isobutyl*		-	-	Calcium Salts		S	S	Emulsions, Photographic*		S	S
Isopropyl*	100	-	-	Calcium Hypochlorite**		S	S	Ethyl Acetate*+	100	V	U
Methyl*	100	S	S	Calgon (sodium hexameta phosphate)*		U	U	Ethyl Benzene*+		U	U
n-Propyl*		S	S	Camphor Oil*+		U	U	Ethyl Chloride+		U	U
Propargyl*		S	S	Carbon Dioxide, Wet or Dry	All Conc.	S	S	Ethyl Ether+		U	U
Aluminum Chloride	All Conc.	S	S	Carbon Disulphide		U	U	Ethylene Chloride*+		U	U
Aluminum Fluoride	All Conc.	S	S	Carbon Monoxide		S	S	Ethylene Glycol*		S	S
Aluminum Salts	All Conc.	S	S	Carbon Tetrachloride+		U	U	Fatty Acids*		S	S
Alums (All Types)	Conc.	S	S	Carbonic Acid		S	S	Ferric Chloride	Sat'd.	S	S
Ammonia, Dry Gas	100	S	S	Castor Oil+	Conc.	S	S	Ferric Nitrate	Sat'd.	S	S
Ammonia, Solution	30	U	U	Chlorine Gas, Dry#	100	U	U	Ferrous Chloride	Sat'd.	S	S
Ammonium Carbonate		S	S	Chlorine Liquid#		U	U	Ferrous Sulphate	Sat'd.	S	S
Ammonium Chloride	Sat'd	S	S	Chlorine Water#	2	S	S	Fish Solubles*		S	S
Ammonium Fluoride	Sat'd	S	S	Chlorobenzene*+		U	U	Fluoboric Acid		S	S
Ammonium Hydroxide	10-28	S	S	Chloroform*+		V	U	Fluosillic Acid	32	S	S
Ammonium Persulphate	Sat'd	S	S	Chlorosulfonic Acid	100	U	U	Fluosillic Acid	Conc.	S	V
Ammonium Nitrate	Sat'd	S	S	Chrome Alum	Sat'd.	S	S	Formic Acid	All Conc.	S	S
Ammonium Metaphosphate	Sat'd	S	S	Chromic Acid	10	S	S	Freon 11		-	-
Ammonium Sulfide	Sat'd	S	S	Chromic Acid	50	S	V	Freon 113		-	-
Ammonium Sulphate	Sat'd	S	S	Cider*		S	S	Freon 12		S	U
Amyl Acetate*+	100	U	U	Citric Acid*	Sat'd.	S	S	Fructose	Sat'd.	S	S
Amyl Chloride*+	100	U	U	Coconut Oil Derivatives*		S	S	Fruit Pulp*		S	S
Aniline*+	100	U	U	Coffee		S	S	Furtural	100	V	U
Aqua Regia#		U	U	Cola Concentrates*		S	S	Gallic Acid*	Sat'd.	S	V
Arsenic Acid	All Conc.	S	S	Copper Chloride	Sat'd.	S	S	Gasoline*+		V	U
Aromatic Hydrocarbons*#		U	U	Copper Cyanide	Sat'd.	S	S	Glucose		S	S
Ascorbic Acid	10	A	A	Copper Fluoride	2	S	S	Glycerine*		S	S
Barium Carbonate	Sat'd	S	S	Copper Nitrate	Sat'd.	S	S	Glycolic Acid*	30	S	S
Barium Chloride	Sat'd	S	S	Copper Sulphate	Sat'd.	S	S	Glycols*		S	S
								Grape Sugar	Sat'd.	S	S