

Chemical Resistance Guide

This document is intended to be used as a guide for chemical compatibility to aid in appropriate equipment selection. The data presented in this guide is based on published data and field experience and believed to be reliable. It is recommended that you cross reference this guide with one or two others guides and contact your chemical supplier or manufacturer.

Some chemical compatibility information may vary based on the size of the tank. We recommend contacting us at 866-765-9957 with any questions regarding this guide.

Please check for the latest revision to this guide at <https://tanks.polyprocessing.com/chemical-resistance-guide>.



Some of the chemicals listed in this guide have hyperlinks. These hyperlinks will take you to our Chemical Position Statements on our website for more detailed information regarding that specific chemical.

PPC ID	Chemical Name	Formula	Concentration	Specific Gravity	Tank SPG	OR 1000	XLPE 100 F	XLPE 140 F	HDPE 100 F	HDPE 140 F	PVC	CPVC	PP	SS 304	SS 316	C-276	Titanium	Alloy 400	Viton®	Buna	Teflon® (Gortex)	EPDM	Neoprene®	PVDF	Comments	NSF
c1120	Acetaldehyde	CH3CHO	40%	0.783	1.35	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1121	Acetamide	CH3CONH2		1.159	1.35	N	S	U	U	U	U	U	100	S	S	S	S	S	S	100	S	S	U	U		0
c1000	Acetic Acid	CH3COOH	10%	1.049	1.35	N	S	S	U	U	S	S	S	S	S	S	S	S	S	U	S	S	S	S		1
c1086	Acetic Acid	CH3COOH	20%	1.049	1.35	N	S	S	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1087	Acetic Acid	CH3COOH	50%	1.05	1.35	N	S	S	U	U	S	U	S	S	S	S	S	S	S	S	S	S	S	S		1
c1088	Acetic Acid	CH3COOH	60%	1.05	1.35	N	S	U	U	U	U	U	S	S	S	S	S	S	S	S	S	S	S	S		1
c1089	Acetic Acid	CH3COOH	80%	1.06	1.35	N	S	U	U	U	U	U	S	S	S	S	S	S	S	S	S	S	S	S		1
c1122	Acetone	CH3COCH3	0%	0.792	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	High Vapor Pressure, Do Not Store	0
c1090	Acrylonitrile	CH2CHCN	100%	0.8	1.35	N	S	U	U	U	U	U	U	S	S	S	S	S	U	U	S	S	S	100		0
c1123	Alcohol - Benzyl	C6H5CH2OH	0%	1.043	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1091	Alcohol - Ethyl	C2H5OH	0%	0.789	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1092	Alcohol - Isopropyl	C3H7OH	100%	0.802	0.00	N	S	U	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1002	Alum (All types)	Al2(SO4)3(NH4)2SO4-24H2O	100%	1.35	1.65	N	S	S	S	S	S	S	S	U	S	S	S	S	S	S	S	S	S	S		1
c1169	Aluminum Chlorohydrate	ACH	50%	1.33	1.65	N	S	S	S	S	S	S	S	U	U	S	S	U	S	S	S	S	S	S		1
c1084	Aluminum Hydroxide	Al(OH)3	<10%	1.1	0.00	N	S	S	S	S	S	S	S	S	S	U	S	U	S	S	S	S	S	S		0
c1001	Aluminum Salts		45%	1.33	1.65	N	S	S	S	S	S	S	S	U	U	S	S	U	S	S	U	S	S	U		1
c1050	Aluminum Sulfate	Al2(SO4)3	50%	1.3	1.65	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1003	Ammonium Hydroxide	NH4OH	<30%	0.89	1.65	N	S	S	S	S	S	S	S	S	S	S	S	U	S	S	S	S	S	S	High Vapor Pressure. Will need to vent to atmosphere with proper venting.	0
c1004	Ammonium Salts		<30%	1.073	1.35	N	S	S	S	S	S	S	S	U	S	S	U	U	S	S	U	S	S	U		0
c1393	Ammonium Sulfate		<50%	1.25	1.35	N	S	U	U	U	S	S	S	U	S	S	S	S	S	S	S	S	S	S		1
c1124	Amyl Acetate	CH3COOC5H11	1	0.876	1.35	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1394	Anthraquinone			1.44	1.65	N	S	U	U	U	S	S	U	U	U	S	U	S	S	U	S	U	U	S		0
c1093	Antimony Trichloride	SbCl3	25%	1.6	1.90	N	S	S	S	S	S	S	S	U	U	S	S	S	S	U	S	S	S	S		0
c1395	Antiscalant		25%	1.15	1.65	N	S				S		S		S				S		U	S		U		0

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c1125	Aqua Regia	80% HCl, 20% HNO3		0.997	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	Chemical Attack	0
c1072	Aqueous Ammonia	NH3	< 26%	0.89	1.35	N	S	U	S	U	S	S	S	S	S	S	S	U	S	S	S	S	S	S	S	>25% creates pressure	0
c1126	Benzene	C6H6		0.879	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1094	Benzoic Acid	C6H5COOH		1.08	1.35	N	S	S	S	S	S	S	S	S	S	S	S	S	S	U	S	U	S	S	S		0
c1168	Bioxide			1.45	1.65	N	S	U	U	U	S	U	U	S	S	U	U	U	S	U	S	S	U	S		0	
c1095	Borax	Na2B4O7-10H2O	100%	1.71	1.90	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	Solid at 100% concentrate.	0
c1005	Boric Acid	H3BO3		1.435	1.65	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1058	Brine Solutions			1.21	1.65	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1127	Bromine (Liquid)	Br2		3.119	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	Chemical Attack	0
c1128	Butadiene	CH2CHCH2		0.65	1.35	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1096	Calcium Carbonate (Lime)	CaCO3		2.93	1.90	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	100	S		1	
c1097	Calcium Chlorate	Ca(ClO3)2		0	0.00	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1051	Calcium Chloride	CaCl2	25%	1.23	1.35	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1098	Calcium Hypochlorite	Ca(OCl)2		1.1	1.35	N	S	S	S	S	S	S	S	U	U	S	S	U	S	U	S	S	U	S		0	
c1396	Calcium Nitrate		45%	1.5	1.90	N	S	S	S	S	S	S	S	U	S	S	S	U	S	S	S	S	S	S		0	
c1397	Canola Oil		100%	0.92	1.35	N	S	U	S	U	S	S	S	U	S	S	S	S	S	S	S	S	U	S	S		0
c1099	Carbonic Acid	H2CO3		0.76	1.35	N	S	S	S	S	S	S	S	S	S	U	S	S	S	S	S	S	S	S	S		0
c1100	Castor Oil			0.965	1.35	N	S	S	U	U	S	S	S	U	S	U	U	U	S	S	S	S	S	S	S		0
c1068	Caustic Soda	NaOH	<50%	1.53	1.65	N	S	U	S	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1398	Chelaated Iron Solution			1.6	1.65	N	S	U	U	U	S	S	S	U	S	U	U	U	U	U	U	S	S	U	S		0
c1129	Chlorine (liquid under pressure)	Cl2		1.56	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1865	Chlorine Dioxide		38%	1.1	1.90	Y	S	S	U	U	S	S	S	U	U	U	S	U	S	U	S	S	U	S		1	
c1399	Choline Chloride		75%	1.1	1.65	N	S	U	U	U	U	U	U	U	S	U	U	U	U	U	S	S	U	S		0	
c1006	Chromic Acid	H2CrO4	50%	1.6	1.90	N	S	U	U	U	U	S	S	U	S	S	S	U	S	S	S	U	U	S		0	
c1007	Citric Acid	HOOCCH2C(OH)(COOH)CH2COO	conc.	1.542	1.65	N	S	S	S	U	S	S	S	U	S	S	S	U	S	S	S	S	S	S		1	
c1101	Coconut Oil			0.92	1.35	N	S	S	S	S	S	S	S	S	S	U	U	S	S	S	S	S	U	U	S		0

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c1061	Concrete Additives			0	1.35	N	S	S	S	S	S				S						U	S		U		0
c1874	Copper Sulfate		25%	1.2	1.35	N	S	N	S	N	S	S	S	S	S	S	S			S	S	S	S	S		1
c1400	Corrosion Inhibitor		20%	1.52	1.65	N	S				S				S						U	S		U		0
c1102	Cottonseed Oil			0.921	1.35	N	S	S	U	U	S	S	S	S	S	S	S	S	S	S	S	U	S	S		0
c1130	Cresol	CH3C6H4OH		1.048	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1131	Cyclohexane	C6H12		0.779	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1870	DEF (Diesel Exhaust Fluid)		35%	1.093	1.35	N	S	S	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1036	Detergents		ALL	1.35	1.90	N	S	U	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1103	Dextrin	(C6H10O5)X		1.45	0.00	N	S	S	S	S	S	S	S	U	S	U	U	U	U	S	S	U	S	S		0
c1104	Dextrose (Glucose)	C6H12O6-H2O		1.544	1.65	N	S	S	S	S	S	S	S	U	S	S	U	U	S	S	S	S	S	S		0
c1075	Diesel Fuel			0.96	0.00	N	S	U	U	U	U	100	100	S	S	S	S	S	S	S	S	U	U	S		0
c1105	Disodium Phosphate	Na2H2P2O7-6H2O		1.862	0.00	N	S	S	S	S	S	S	S	U	S	U	U	U	U	U	S	S	U	S		0
c1106	Epsom Salts	MgSO4-7H2O		1.678	0.00	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1132	Ethyl Acetate	CH3C00-C2H5	1	0.901	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1133	Ethyl Bromide	CH3CH2Br		1.431	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1134	Ethyl Chloride	CH3CH2Cl		0.917	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1135	Ethyl Ether	C2H5OC2H5		0.716	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	High Vapor Pressure	0
c1136	Ethylene Chloride			1.246	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1008	Ethylene Glycol	CH2OHCH2OH		1.115	1.35	N	S	S	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c2002	Fats, Oils, Grease (F.O.G.)			0.95	1.35	N	S	S	S	U	S	S	S	S	S	S	S	S	S	S	S	U	100	S		
c1048	Fatty Acids			1.35	0.00	N	S	S	U	U	S	S	S	S	S	S	S	S	S	S	S	U	S	S		0
c1052	Ferric Chloride	FeCl3	40%	1.4	1.65	N	S	S	S	S	S	S	S	U	U	100	S	U	S	S	S	S	S	S		1
c1799	Ferric Sulfate	(Fe2(SO4)3)		1.4	1.65	N	S	S	S	U	S	S	S	S	S	S	S	U	S	S	S	S	U	S		1
c1866	Ferrous Chloride		37%	1.3	1.65	N	S	U	S	U	S	S	S	U	U	S	S	U	S	S	S	S	U	S		1
c1053	Ferrous Sulfate	FeSO4		1.6	1.65	N	S	S	S	S	S	S	S	S	U	S	S	S	S	S	S	S	S	S		1
c1059	Fertilizer		32%	1.3	1.35	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1074	Fire Foam			1.08	1.35	N	S	S	S	S	S	U	U	U	S	U	U	U	U	U	S	S	U	S		0
c1401	Fluoride	H2SiF6		0	1.90	N	S	S		U	S	U	S	U	S	90	U	90	S	S	S	S	S	S		1

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c1013	Fluorosilicic Acids	H2SiF6		1.22	1.90	N	S	S	S	U	73	73	S	U	U	S	U	S	S	S	S	S	S	S		1
c1014	Fluosilicic Acid	H2SiF6		1.22	1.90	N	S	S	S	U	73	73	S	U	U	S	U	S	S	S	S	S	S	S		1
c1071	Formaldehyde	HCHO	35%	0.815	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1009	Formic Acid	HCOOH	conc.	1.22	1.35	N	S	S	U	U	S	S	100	S	S	S	S	S	S	U	S	S	S	S		0
c1107	Fructose	CH2OH(CHOH)3C		1.669	1.90	N	S	S	S	S	S	S	S	U	U	U	U	U	S	S	S	S	S	S		0
c1137	Fuel Oil			0.893	0.00	N	S	U	U	U	S	S	S	S	S	S	S	100	U	S	S	U	S	S	Viton not good above 80° F	0
c1138	Gasoline			0.713	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1108	Glycerol	C3H5(OH)3		1.129	0.00	N	S	S	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1080	Glycolic Acid	HOCH2CO2H	30%	1.14	1.35	N	S	S	U	U	S	S	S	S	S	S	S	S	U	S	S	S	S	100		0
c1063	Glycols		100%	1.03	1.35	N	S	U	S	U	S	S	S	100	S	S	U	100	S	S	S	S	S	S		0
c1109	Grease			1.35	0.00	N	S	S	S	U	S	S	S	S	S	S	S	S	S	S	S	U	100	S		0
c1139	Heptane	CH3(CH2)5CH3		0.684	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1081	Hydraulic Oils (Petroleu			0.89	1.90	N	S	U	U	U	S	U	U	S	S	S	S	U	S	S	S	U	U	S		0
c1082	Hydraulic Oils (Syntheti			0.89	1.90	N	S	U	U	U	S	U	U	S	S	S	S	S	S	S	S	U	U	S		0
c1110	Hydrochloric Acid	HCl	20%	1.2	1.90	Y	S	S	U	U	S	S	S	U	U	S	U	U	S	S	S	S	S	S		1
c1010	Hydrochloric Acid	HCl	35 - 38%	1.2	1.90	Y	S	S	U	U	S	S	S	U	U	S	U	U	S	U	S	S	U	S		1
c1011	Hydrochloric Acid	HCl	50%	1.48	1.90	Y	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1012	Hydrofluoric Acid	HF	30%	1.1	1.90	N	S	S	U	U	S	U	S	U	U	S	U	S	S	U	S	U	U	S	PP must NOT contain GLASS	1
c1112	Hydrofluoric Acid	HF	50-70%	1.15	1.90	N	S	S	U	U	U	U	S	U	U	S	U	S	S	U	S	U	U	S	PP must NOT contain GLASS	1
c1113	Hydrofluoric Acid	HF	70%	1.15	1.90	N	S	S	U	U	U	U	S	U	U	S	U	S	S	U	S	U	U	S	PP must NOT contain GLASS	0
c1111	Hydrofluoric Acid	HF	<40%	1.15	1.90	N	S	S	U	U	S	S	S	U	U	S	U	S	S	U	S	U	U	S	PP must NOT contain GLASS	1
c1015	Hydrofluorosilicic Acid			1.22	1.90	N	S	S	S	U	S	S	S	U	U	S	U	S	S	S	S	S	S	S		1

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c1016	Hydrofluosilicic Acid			1.22	1.90	N	S	S	S	U	S	S	S	U	U	S	U	S	S	S	S	S	S	S		1
c1140	Hydrogen	H2	1	0.071	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c2003	Hydrogen Peroxide	H2O2	10%	1.11	1.35	N	S	U	S	U	S	S	100	S	S	100	S	U	S	U	S	100	U	S	Slip Fittings, Non-Pigment Col. HDPE<=3000 Only	1
c1017	Hydrogen Peroxide	H2O2	30%	1.11	1.35	N	S	U	S	U	S	S	100	S	S	100	S	U	S	U	S	100	U	S	Slip Fittings, Non-Pigment Col. HDPE<=3000 Only	0
c1018	Hydrogen Peroxide	H2O2	50%	1.2	1.65	N	S	U	S	U	S	S	S	S	S	100	S	U	S	U	S	100	U	S	Slip Fittings, Non-Pigment Col. HDPE<=3000 Only	0
c1114	Hydrogen Peroxide	H2O2	90%	1.438	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1115	Hydrogen Sulfide	H2S		1.19	1.35	N	S	S	S	S	S	S	S	U	S	S	U	S	U	U	S	S	U	S		0
c1065	Inks			1.4	1.35	N	S	U	U	U	U	U	S	S	S	S	U	U	100	U	S	100	U	S		0
c1019	Iodine	I2		1.43	1.65	N	S	U	U	U	S	U	U	U	U	S	S	U	S	U	S	S	U	S		0
c1141	Jet Fuel		JP3, JP4, JP5	0.82	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1142	Kerosene			0.81	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1020	Lactic Acid	CH3CHOHCOOH	90%	1.2	1.35	N	S	U	U	U	U	100	S	U	S	S	S	U	S	U	S	S	100	100		0
c1021	Latex			0	1.35	N	S	S	U	U	S	S	S	S	S	S	S	S	U	U	S	S	100	S		0
c1269	Leachate			0	1.35	N	S	U	U	U	S	S	S	S	S	S	S	S	S	S	S	S	U	S		0
c1402	Leachate			0	1.65	N	S				S				S						S	S		S		0
c1022	Lead Acetate	Pb(C2H3O2)2 · 3H2O		0	0.00	N	S	S	S	S	S	S	S	S	S	S	S	S	U	S	S	S	S	S		0

PPC ID	Chemical Name	Formula	Concentration	Specific Gravity	Tank SPG	OR 1000	XLPE 100 F	XLPE 140 F	HDPE 100 F	HDPE 140 F	PVC	CPVC	PP	SS 304	SS 316	C-276	Titanium	Alloy 400	Viton®	Buna	Teflon® (Gortex)	EPDM	Neoprene®	PVDF	Comments	NSF
c1143	Linseed Oil			0.936	0.00	N	S	U	U	U	S	S	S	S	S	S	S	S	S	S	S	U	100	S		0
c1863	Lubricant (synthetic)			0	1.90	N	S	N/A	N/A	N/A	S	N/A	N/A	S	S	S	S	S	S	S	S	U	U	S		0
c1184	Lysine			1.25	1.65	N	S	N/A	N/A	N/A	S	N/A	N/A	N/A	S	N/A	N/A	N/A	N/A		S	S		S		0
c1403	Lysine (Liquid)			1.28	1.65	N	S	U	S	U	S	S	S	U	S	U	U	U	S	U	S	S	U	S		0
c1060	Magnesium Chloride	MgCl2	30%	1.34	1.65	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1054	Magnesium Hydroxide	Mg(OH)2	50%	1.45	1.65	N	S	S	S	S	S	S	S	S	S	S	U	S	S	S	S	S	S	S		0
c1116	Magnesium Salts	MgSO4 · 7H2O		0	0.00	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	U	S	S	U		0
c1144	Maleic Acid	H02C-CH:CH-CO2H		1.59	0.00	N	S	U	S	U	S	S	S	S	S	S	S	S	S	U	S	U	U	S		0
c1404	Methionine			1.26	1.35	N	S	U	U	U	S	U	S	U	S	U	U	U	S	U	S	S	U	S		0
c1117	Methyl Acetate	CH3CO2CH3		0.93	0.00	N	S	U	U	U	U	U	100	S	S	S	U	U	U	U	S	U	U	S		0
c1532	Methyl Alcohol			0	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1145	Methyl Bromide	CH3Br		1.732	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1146	Methyl Chloride	CH3Cl		0.952	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1147	Methyl Ethyl Ketone (MEK)	CH3CO-CH2CH3		0.805	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	High Vapor Pressure	0
c1148	Methylamine	CH3NH2	100%	0.69	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1149	Methylene Chloride	CH2Cl2		1.336	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	High Vapor Pressure	0
c1079	Milk			1.035	1.35	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1049	Mineral Oils		100%	0.83	0.00	N	S	U	U	U	S	S	S	S	S	U	S	S	S	S	S	S	S	S		0
c1188	Molasses		100%	1.38	1.50	N	S	U	S	U	S	S	S	S	S	S	U	S	S	S	S	S	S	S		0
c1150	Naphtha		100%	0.9	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1151	Naphthalene	C10H8		0.963	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1024	Nitric Acid	HNO3	0 - 29%	1.502	1.90	N	S	S	S	S	S	S	S	S	S	S	S	U	S	U	S	U	U	S		0
c1025	Nitric Acid	HNO3	30 - 49%	1.502	1.90	N	S	U	S	U	S	S	S	S	S	S	S	S	S	U	S	U	U	S		0
c1152	Nitric Acid	HNO3	50% >	1.502	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	Chemical Attack	0
c1153	Nitrobenzene	C6H5NO2		1.205	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1154	Oleic Acid	CH3(CH2)7CH:CH(CH2)7C		0.854	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0

PPC ID	Chemical Name	Formula	Concentration	Specific Gravity	Tank SPG	OR 1000	XLPE 100 F	XLPE 140 F	HDPE 100 F	HDPE 140 F	PVC	CPVC	PP	SS 304	SS 316	C-276	Titanium	Alloy 400	Viton®	Buna	Teflon® (Gortex)	EPDM	Neoprene®	PVDF	Comments	NSF
c1155	Oleum	xH2SO4-ySO3		0	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1026	Oxalic Acid	(COOH)2	Sat	1.653	1.90	N	S	U	S	U	S	S	S	U	U	S	S	U	S	U	S	S	U	S		0
c1064	Ozone	O3		1.71	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1156	Palmitic Acid	CH3(CH2)14CO2 H	All	0.849	0.00	N	S	U	U	U	U	U	S	S	S	100	U	S	S	100	S	U	U	S		0
c1183	Pepper Mash			1.25	1.35	N	S	U	S	U	S	U	S	U	S	U	U	U	U	U	S	S	U	S		0
c1867	Peracetic Acid		25%	1.2	1.65	Y	S	U	S	U	U	U	U	S	S	U	S	U	U	U	S	S	U	S		1
c1027	Perchloric Acid	HClO4	10%	1.77	0.00	N	S	S	S	S	S	S	S	U	U	S	U	U	S	U	S	S	U	S		0
c1028	Phenol (Carbolic Acid)	C6H5OH		1.075	1.35	N	S	U	S	U	U	S	S	S	S	S	U	S	S	U	S	U	U	S		0
c1405	Phosphate			0	1.90	N	S				S					S					U	S		U		0
c1031	Phosphoric Acid	H3PO4	0 - 49%	1.78	1.90	N	S	S	S	S	S	S	S	S	S	S	S	U	S	U	S	S	S	S		1
c1118	Phosphoric Acid	H3PO4	50 - 75%	1.78	1.90	N	S	S	S	S	S	S	S	U	S	S	100	S	S	U	S	S	U	S		1
c1157	Phosphorous Trichloride	PCI3		1.574	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0
c1032	Photographic Solutions			0	1.35	N	S	S	S	S	S	S	S	S	S	U	S	U	S	S	S	S	S	S		0
c1864	Poly Aluminum Chloride	AL2O3	50%	1.42	1.65	N	S	U	S	U	S	S	S	U	U	S	S	U	S	S	S	S	S	S		1
c1406	Poly Phosphate			1.5	1.65	N	S	S	S	S	S	S	S	S	S	S	S	S	S	U	U	S	S	U		0
c1258	Polymer			1.26	1.35	N	S	U	S	U	S	S	S	U	S	S	U	U	S	U	U	S	U	U		0
c1407	Polymer			1.26	1.35	N	S	U	S	U	S	S	S	U	S	S	U	U	S	U	U	S	U	U		0
c1868	Polyorthophosphate		100%	1.35	1.65	N	S	U	U	U	S	U	U	S	S	U	U	U	U	U	U	S	U	U		1
C2001	Potassium Carbonate		50%	1.54	1.9		S		S		S	S	S		S	S	S		S	S		S		S		0
c1029	Potassium Hydroxide	KOH	50%	1.457	1.65	N	S	U	U	U	S	S	S	S	S	S	S	S	U	S	S	S	S	S		1
c1070	Potassium Permanganate	KMnO4		1.35	1.65	N	S	U	U	U	S	U	S	U	S	U	U	U	U	U	S	U	U	S		1
c1030	Potassium Salts			1.35	1.90	N	S	S	S	S	S	S	S	U	U	S	U	U	S	U	U	S	S	U		0
c1308	Propionic Acid			1.26	1.35	N	S	U	U	U	100	100	100	U	S	S	U	S	S	S	S	S	S	S		0
c1409	Propionic Acid			1.26	1.35	N	S	U	U	U	100	100	100	U	S	S	N/A	S	S	S	S	S	S	S		0

PPC ID	Chemical Name	Formula	Concentration	Specific Gravity	Tank SPG	OR 1000	XLPE 100 F	XLPE 140 F	HDPE 100 F	HDPE 140 F	PVC	CPVC	PP	SS 304	SS 316	C-276	Titanium	Alloy 400	Viton®	Buna	Teflon® (Gortex)	EPDM	Neoprene®	PVDF	Comments	NSF
c1033	Propylene Glycol	CH2OHCHOHCH3		1.04	1.35	N	S	U	S	U	S	S	S	U	S	U	U	U	S	S	S	S	U	S		0
c1034	Selenic Acid Aqueous	H2SeO4		0	0.00	N	S	U	S	U	S	S	S	U	U	S	U	U	S	U	S	U	U	S		0
c1035	Silicic Acid	H2SiO3		1.3	1.65	N	S	S	S	S	S	N/A	S	S	S	N/A	N/A	N/A	S	U	S	U	U	S		0
c1037	Soap Solution		100%	0	0.00	N	S	U	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1078	Soda Ash	NaCO3		0	1.35	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1167	Sodium Aluminate	NaAlO2	<=43%	1.56	1.65	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1076	Sodium Bicarbonate	NaHCO3		0	1.35	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1056	Sodium Bisulfate	NaHSO4		0	1.65	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0
c1062	Sodium Bisulfite	NaHSO3		1.48	1.65	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	Heat Trace and Insulation Recommended	1
c1410	Sodium Bromide			1.41	1.65	N	S	U	S	U	S	S	S	100	S	S	U	S	U	U	S	S	U	S		0
c1873	Sodium Carbonate	NaCO3	40%	1.6	1.90	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1411	Sodium Chloride			1.19	1.35	N	S	U	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1073	Sodium Chlorite	NaClO2	25%	1.31	1.90	N	S	S	U	U	S	S	S	S	S	S	S	U	S	U	S	U	U	S		1
c1069	Sodium Hydroxide	NaOH	<=50%	1.53	1.65	N	S	U	S	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1
c1039	Sodium Hypochlorite	NaOCl	0.8%	1.2	1.35	Y	S	S	S	S	S	S	S	U	U	S	S	U	S	U	S	S	U	S		1
c1158	Sodium Hypochlorite	NaOCl	20%	1.4	1.90	Y	S	S	U	U	S	S	S	U	U	U	S	U	S	U	S	S	U	S	When referred by 20% this is usually the trade percentage which is equal to 16% by weight. Verify that is so for compatibility	0
c1038	Sodium Hypochlorite	NaOCl	9 - 15%	1.2	1.90	Y	S	S	U	U	S	S	S	U	U	U	S	U	S	U	S	S	U	S	Use IMFO for 5 year warranty	1
c1413	Sodium Permanganate		40%	1.36	1.90	N	S	U	U	U	S	U	S	U	S	U	U	U	U	U	S	U	U	S		1

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c1057	Sodium Salts			1.35	1.65	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0	
c1869	Sodium Silicate		100%	1.4	1.65	N	S	U	S	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1	
C2000	Sodium Sulfide		40%	1.4	1.65		S		S		S	S	S		S	S	S					S				0	
c1040	Stearic Acid	CH3(CH2)16COOH		0.941	1.35	N	S	S	U	U	S	S	S	S	S	S	S	S	100	S	S	U	S	S		0	
c1180	Sugar Solutions		100%	1.1	1.35	N	S	U	U	U	S	S	S	S	S	S	S	U	S	S	S	S	S	S		0	
c1160	Sulfur Dioxide	SO2	0 - 49%	1.433	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0	
c1041	Sulfuric Acid	H2SO4	80 - 92%	1.8	2.20	Y	S	U	U	U	S	S	S	U	U	S	U	U	S	U	S	U	U	S		1	
c1042	Sulfuric Acid	H2SO4	93 - 98%	1.8	2.20	Y	S	U	U	U	S	S	S	U	S	S	U	U	S	U	S	U	U	S		1	
c1077	Sulfuric Acid	H2SO4	< 80%	1.5	2.20	Y	S	S	U	U	S	S	S	U	U	S	U	U	S	U	S	U	U	S		1	
c1043	Tannic Acid	C76H52O46		0	0.00	N	S	S	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0	
c1044	Tartaric Acid	C4H6O6		1.737	0.00	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	U	S	S		0
c1162	Tetrachlorethane	(Cl2HC)2		1.6	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0	
c1163	Toulene	CH3C6H5		0.866	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0	
c1164	Trichloroethylene	ClCH=CCl2		1.466	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0	
c1045	Urea	CO(NH2)2		1.335	0.00	N	S	S	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0	
c1046	Vinegar			1.35	0.00	N	S	S	S	S	S	S	S	U	S	100	100	U	S	U	S	S	S	S		0	
c1066	Water, Deionized			1	1.35	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1	
c1055	Water, Non-Potable			1	1.00	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0	
c1083	Water, Potable			1	1.00	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		1	
c1085	Water, RO			1	1.35	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0	
c1023	Water, Waste			1	1.00	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0	
c1488	Whey		100%	1	1.35	N	S	U	S	U	S	S	S	S	S	S	S	S	S	U	S	S	U	S		0	
c1119	Whiskey			0.935	1.35	N	S	S	U	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S		0	
c1067	Wines			0	1.35	N	S	S	S	S	S	S	S	S	S	S	S	100	S	S	S	S	S	S		0	
c1165	Xylene	C6H4(CH3)3		0.867	0.00	N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		0	
c1414	Zinc Orthophosphate			0	1.90	N	S	U	U	U	S	S	U	U	S	S	U	U	S	U	S	S	U	S		1	
c1047	Zinc Salts			0	0.00	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	U	S	S	U		0	