

# KrystalKote™/KrystalTred™ & KrystalMarine™/MarineTred™

## Guide to Chemical - Acid - Alkali & Corrosion Resistance

	I	S	F		I	S	F
<b><u>ACIDS, ORGANIC</u></b>							
Formic	-	-	+	Hydrogen Sulfide Gas	+	+	+
Lactic	+	+	+	Sewage Waste	+	+	+
Cresylic	-	-	+	Glycerine	+	+	+
Oleic	+	+	+	Glycols	+	+	+
Oxalic	+	+	*	Fatty Alcohols	+	+	+
Maleic	+	+	+	Carbonated Beverages	+	+	+
Stearic	+	+	+				
Acetic, 10%	+	+	+	<b><u>ACID SALTS</u></b>			
Glacial Acetic	-	+	+	Aluminum Sulfide	+	+	+
				Ammonium Chloride	+	+	+
				Calcium Chloride	+	+	+
				Ferric Chloride	+	+	+
				Zinc Chloride	+	+	+
<b><u>ACIDS, INORGANIC</u></b>							
Hydrochloric 10%	+	+	+	<b><u>ALKALINE SALTS</u></b>			
25%	+	+	+	Sodium Bicarbonate	+	+	+
85%	-	-	+	Sodium Carbonate	+	+	+
Sulfuric 10%	+	+	+	Sodium Sulfide	+	+	+
25%	+	+	+	Tri-Sodium Phosphate	+	+	+
85%	-	-	+	Sodium Nitrate	+	+	+
Phosphoric 10%	+	+	+	Aluminum Sulfate	+	+	+
50%	+	+	+				
85%	-	+	+	<b><u>SOLVENTS &amp; FUELS</u></b>			
Chromic 10%	+	+	+	Ketones	-	+	+
50%	-	+	+	Alcohols	+	+	+
85%	-	+	+	Chlorinated Solvents	+	+	+
Hydrofluoric 48%	-	+	+	Aromatic Hydrocarbons	+	+	+
				Aliphatic Hydrocarbons	+	+	+
				Esters	+	+	+
				JP-4 & JP-5 Fuels	+	+	+
				Salt Water & Jet Fuels	+	+	+
				Heptane	+	+	+
				Aviation Gasoline	+	+	+
				U.D.M.H. (Missile Fuel)	-	+	+
<b><u>ALKALIES</u></b>							
Ammonium Hydroxide 15%	+	+	+	<b><u>OILS</u></b>			
50%	-	+	+	Synthetic Lubricating & Hydraulic	+	+	+
Calcium Hydroxide 15%	+	+	+	Skydrol 500	+	+	+
50%	-	+	+	Skydrol 7000	+	+	+
Potassium Hydroxide 15%	+	+	+	Mineral Oil	+	+	+
50%	-	+	+	Vegetable Oil	+	+	+
Sodium Hydroxide 15%	+	+	+	Fatty Acids	+	+	+
50%	-	+	+	Sour Crude	+	+	+
				Animal Oils	+	+	+
				Animal Fats	+	+	+
<b><u>MISCELLANEOUS</u></b>							
Water: Tap, Salt, Deionized, Chlorinated	+	+	+				
Fruit Juices	+	+	+				
Liquid Foods: Syrup, Beverages, Milk	+	+	+				
Chlorine (Dry & Wet)	-	+	+				
Ammonia	+	+	+				
Natural Latex	+	+	+				
P.V.A. Latex	+	+	+				
Acrylic Latex	+	+	+				
Dilute Alcohol: Whiskey, Wine, Beer	+	+	+				

+ = passes; - = not recommended; \* = not applicable (Oxalic Acid is a solid)

NOTE: I = @1000 hour Immersion test S = @45 minutes Splash & Spillage test F = @1000 hour Fumes exposure test

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