

Chemical Compatibility Guide for:
HANDcraft Poly Pumps

HANDcraft Poly Drum and Bucket (Pail) Pumps Chemical Compatibility Chart

These chemicals are compatible at temperatures of 75F, at the concentrations shown

Y= Compatible **N**= Not Compatible **Sat** = Saturated

Liquid	Percent Concentration	Compatible
Acetic Acid	<80	Y
Adipic Acid	Sat	Y
Allyl Alcohol	96	Y
Aluminum Chloride	100	Y
Aluminum Fluoride	100	Y
Aluminum Hydroxide	100	Y
Aluminum Nitrate	<50	Y
Aluminum Sulphate	Sat	Y
Amyl Alcohol		Y
Arsenic Acid	<80	Y
Benzoic Acid	Sat	Y
Benzyl Alcohol	100	Y
Boric Acid	Sat	Y
Bromic Acid	10	Y
Butyl Alcohol		Y
Butylene Glycol	100	Y
Butyric Acid	<20	N
Calcium Chlorate		Y
Calcium Chloride	100	Y
Calcium Hydroxide	100	Y
Calcium Nitrate	50	Y
Calcium Sulfate	100	Y
Calcium Sulfide	Sat	Y
Chloric Acid	20	Y
Chlorine	50	Y
Chromic Acid	<30	Y
Citric Acid	50	Y
Fluorosilicic Acid	50	Y
Formaldehyde	<30	Y
Formic Acid	100	Y
Glycerine	50	Y
Glycolic Acid	37	Y
Hydrobromic Acid	50	Y
Hydrochloric Acid	50	Y
Hydrofluoric Acid	20	Y
Hydrogen Peroxide	90	Y
Lactic Acid	50	Y

Liquid	Percent Concentration	Compatible
Magnesium Chloride	Sat	Y
Magnesium Hydroxide		Y
Malcic Acid		Y
Methyl Alcohol		Y
Molasses		Y
Nitric acid	<40	Y
Oxalic Acid	Sat	Y
Parraffin Oil (Kerosene)		Y
Perchloric Acid	100	Y
Petrol		N
Phenol		Y
Phosphoric Acid	<90	Y
Phthalic Acid	50	Y
Picric Acid		Y
Potassium Bromide	Sat	Y
Potassium Chloride	Sat	Y
Potassium Fluoride	Sat	Y
Potassium Hydroxide	<60	Y
Potassium Nitrate	Sat	Y
Propyl Alcohol	100	Y
Silicic Acid		Y
Sodium Acetate	100	Y
Sodium Chlroate		Y
Sodium Chloride	Sat	Y
Sodium Hydroxide	60	Y
Sodium Hypochlorite		Y
Sodium Hyposulfite		Y
Sodium Nitrate		Y
Sodium Sulfate	Sat	Y
Sodium Sulfite	Sat	Y
Sulfuric Acid	<90	Y
Tanic Acid	10	Y
Tartaric Acid	100	Y
Zinc Chloride	Sat	Y
Zinc Chromate		Y
Zinc Nitrate		Y
Zinc Sulfate	Sat	Y

Note: This compatibility chart is a guide only and does not warrant that the HANDcraft Poly Drum and Bucket (Pail) Pumps will withstand chemical attack from a combination of these chemicals, or chemicals not stated here.

If it is uncertain that the pump will be chemically resistant to certain chemicals, the manufacturer of the chemical should be contacted for clarification.