

Lumax Pumps - Chemical Compatibility Chart

LX-1337 - Plastic Pail Pump with Flex Hose and 2" Bung Adapter

Caution: The Materials List below is to be referred for Guidance only in selecting Equipment for Appropriate Chemical Compatibility. ALWAYS Test your Equipment under the Specific Conditions of your Application before Permanent Installation. Ratings of Chemical Behavior listed in this Manual apply at a 48 Hour Exposure Period. Lumax has No Knowledge of Possible Effects beyond this Period. All Recommendations are Based on Room Temperature (72°F/22°C) Exposure. Compatibility Results may deviate from these Recommendations at Elevated Temperatures. Recommendations are based on Presence of Listed Chemical Only. Mixtures containing more than one Chemical can greatly affect Chemical Compatibility. Polypropylene Products and Components should not be used with Low Flash Point Chemicals, regardless of Chemical Compatibility Results. Failure, Improper Selection, or Improper Use of the Products referred to and described herein or related items can cause Severe Personal Injury or Property Damage. This Document provides Product Options for further Investigation by Users having Technical expertise. It is Important that you Analyze all Aspects of your Application and Review the information concerning the Product or System.

Ratings: Chemical Effect



Good



Not Recommended

Chemical	Good	Chemical	Good	Chemical	Good
Acetaldehyde	Not Recommended	Fruit Juices	Good	Soap Solutions	Good
Acetic Acid 20-50%	Not Recommended	Fuel Oils (ASTM #1 thru #9)	Good	Soda Ash (Sodium Carbonate)	Good
Acetic Anhydride	Not Recommended	Gasoline (Unleaded)	Not Recommended	Sodium Bicarbonate	Good
Acetone	Not Recommended	Gasoline (Petrol)	Not Recommended	Sodium Chlorate	Good
Alcohol: Amyl	Good	Glycerol (Glycerine)	Good	Sodium Chloride	Good
Alcohol: Benzyl	Not Recommended	Grease	Good	Sodium Chromate	Not Recommended
Alcohol: Butyl	Good	Heptane (Brake Cleaner)	Not Recommended	Sodium Hydroxide - 50%	Not Recommended
Alcohol: Diacetone	Not Recommended	Hexane	Good	Sodium Hypochlorite (Bleach)	Not Recommended
Alcohol: Ethyl (Ethanol)	Not Recommended	Hexyl Alcohol (Hexanol)	Good	Sodium Nitrate	Good
Alcohol: Hexyl (1-Hexanol)	Good	Hexylene Glycol (Brake Fluid)	Not Recommended	Sodium Nitrite	Good
Alcohol: Isobutyl	Good	Hydraulic Oil	Not Recommended	Sodium Peroxide	Good
Alcohol: Isopropyl	Good	Hydrochloric Acid - 20%	Good	Sodium Phosphate	Good
Alcohol: Methyl (Methanol)	Not Recommended	Hydrochloric Acid - 30%	Good	Sodium Silicates	Good
Alcohol: Propyl	Good	Hydrogen Peroxide - 30%	Good	Sodium Sulfate	Good
Aluminum Sulfate	Good	Isobutyl Alcohol	Good	Sodium Sulfide	Good
Ammonia, Anhydrous	Not Recommended	Isopropyl Alcohol	Good	Sodium Sulfite	Good
Ammonia Liquids	Not Recommended	Jet Fuels (JP1 to JP6)	Not Recommended	Stearic Acid	Good
Ammonium Hydroxide	Good	Kerosene	Good	Stoddard Solvent	Not Recommended
Anti-Freeze (Alcohol Base)	Good	Lacquers	Not Recommended	Sulfuric Acid - 75%	Good
Anti-Freeze (Glycol Base)	Good	Lacquer Solvents	Not Recommended	Tallow	Not Recommended
Benzene	Not Recommended	Lactic Acid	Good	Toluene, Toluol	Not Recommended
Benzoic Acid	Not Recommended	Lubricating Oils (Petroleum)	Good	Transformer Oil	Not Recommended
Bleach Solutions	Not Recommended	Methyl Ethyl Ketone	Not Recommended	Transmission Fluid (Type A)	Good
Boric Acid - 30%	Good	Mineral Oil (Petroleum)	Good	Trichlorethane	Not Recommended
Brake Fluid (Hexylene Glycol)	Not Recommended	Motor Oil	Good	Trichlorethylene	Not Recommended
Calcium Carbonate	Good	Naphtha	Good	Turpentine	Not Recommended
Calcium Chloride	Not Recommended	Nitric Acid - 50%	Not Recommended	Urea/DEF/Ad Blue	Not Recommended
Calcium Hypochlorite - 20%	Good	Oils, Animal	Good	Varnish	Not Recommended
Calcium Sulfate	Good	Oils, Mineral	Good	Vegetable Juices	Good
Chlorine, Wet	Not Recommended	Oils, Vegetable	Good	Vegetable Oils	Good
Chlorox	Not Recommended	Oxalic Acid	Good	Vinegar	Good
Citric Acid	Good	Petroleum (Crude Oil)	Not Recommended	Water, Distilled (Deionized)	Good
Copper Chloride	Good	Phosphoric Acid - 50%	Good	Water, Fresh	Good
Copper Sulfate	Good	Photographic Developer	Good	Wines	Good
Detergent Solutions	Good	Potassium Chloride	Good	Xylene	Not Recommended
Diesel Oil (Fuel ASTM #2)	Not Recommended	Potassium Hydroxide (Caustic Potash)	Good	Zinc Chloride	Good
Ethyl Acetate	Not Recommended	Propylene Glycol	Good	Zinc Sulfate	Good
Ethylene Glycol	Good	Salt Water (Brine)	Good		
Formaldehyde	Good	Sea Water (Brine)	Good		
Formic Acid	Good	Silicone Oils	Good		