

Lumax Pumps - Chemical Compatibility Chart

LX-1330 - Lift-Action, Steel Barrel Pump, for 55 Gallon Drums

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