CHEMICAL RESISTANCE GUIDE

IMPORTANT NOTICE:
THIS IS A GUIDELINE ONLY AND SHOULD BE READ IN CONJUNCTION WITH THE FOLLOWING TABLE

The Aquapump® in the Aquacart® is fitted with a Santoprene® and Viton® diaphragm which is resistant to a range of chemicals. This Chemical Resistance Guide is offered to assist in selecting chemicals that *may* be used with the Aquapump®. Suitability for the application should be determined by actual use and is the full responsibility of the customer. No warranty, expressed or implied, can be extended by Aquacart Australia Pty Ltd where failure is caused by chemical attack on pump materials.

This information should be used only as a guide in the selection of chemicals. Temperature, aeration, concentration and other factors may change the effect of the specific fluid on the pump materials. Data shown is based on results at ambient temperatures, unless otherwise noted. It is recommended that the pump be thoroughly flushed with water or other neutralizing agent after each use whenever possible.

If a chemical is not shown on the list then data is not currently available and should be qualified by testing.

LITTLE OR NO EFFECT ON SANTOPRENE®					
Acetaldehyde	Bleaching liquor	Fluoboric acid	Linseed Oil	Oils. vegetable	Sulfur dioxide
Acetic acid	Boric acid	Fluosilicic acid	Magnesium salt	Oxalic acid	Sulfuric acid, dil.
Acetic Anhydride	Bromine	Formaldehyde	Maleic acid	Oxygen	Sulfurous acid
Acrylonitrile	Butyric acid	Formamide	Manganese salts	Phosphoric acid	Tannic acid
Aluminum Chloride	Calcium salts	Formic acid	Mercury salts	Phthalic acid	Tanning extracts
Aluminum sulfate	Carbon Dioxide	Glucose	Methanol	Phosphoric acid	Trisodium phosphate
Ammonia	Chlorine (wet/dry)	Glycerins	Natural gas	Plating solutions	Urea
Ammonium salts	Chloroacetic acid	Hydrochloric acid	Nickel salts	Potassium salts	Uric acid
Ammonium hydroxide	Chronic acid	Hydrocyanic acid	Nitric acid-10%	Silver salts	Water
Amyl acetate	Chromium salts	Hydrogen peroxide	Nitroethane	Soap solutions	Water (brine)
Antimony salts	Copper salts	Hydrogen sulfide	Nitrogen oxides	Sodium salts	Water (stoam)
Arsenic salts	Ethylene glycol	Iodine & solutions	Nitrous acid	Sodium hydroxide	Zinc salts
Barium salts	Ferric salts	Lactic acid	Oils, animal	Sodium hypochlorite	
Benzoic acid	Fluoborate salts	Lead salts	Oils. mineral	Stearic acid	
MINOR EFFECT ON SANTOPRENE®					
Acetates	Benzaldehyde	Ethers	Nitric acid-30%	Pyridine	
Acetone	Benzyl alcohol	Ethanol	Nitrobenzene	Skydrol 500-B4	
Alcohols	Butane	Furfural	Oleic acid	Sulfuric acid-90%	
Amyl alcohol	Butanol	Lithium grease	Phenol	Tetrahydrofuran	
Aniline	Essential Oils	Me Et Ketone	Propanol	Turpentine	
SEVERE EFFECT ON SANTOPRENE® – NOT RECOMMENDED					
Benzene	Chlorobenzene	Freon	Trichloroethylene	Nitric acid- 70%	Toluene
Carbon tetrachloride	Ethyl chloride	Kerosene	Lacquer	Perchloroethylene	