

Hazchem Absorbent Chemical Compatibility

Key

Judgement required for use

Not recommended

A liquid is not compatible if:
It reacts with the sorbent
It will not absorb

Liquid	Concentration	Absorption	Compatibility	
	%		20 C	60 C
Acetic Acid	97	Good	Good	Good
Acetic Acid	50	Good	Good	Good
Acetic Acid	40	Good	Good	Good
Acetic Acid	10	Good	Good	Good
Acetone	100	Good	Good	Good
Acetophenone	100	Good	Good	Good
Acrylic Emulsion		Slow	Good	Good
Aluminium Chloride	dil	Good	Good	Good
Aluminium Fluoride	dil	Good	Good	Good
Aluminium Sulphate	dil	Good	Good	Good
Ammonia	30	Good	Good	Good
Ammonium Carbonate	dil	Good	Good	Good
Ammonium Chloride	dil	Good	Good	Good
Ammonium Hydroxide	dil	Good	Good	Good
Ammonium Metaphosphate	dil	Good	Good	Good
Ammonium Nitrate	dil	Good	Good	Good
Ammonium Persulphate	dil	Good	Good	Good
Ammonium Sulphate	dil	Good	Good	Good
Ammonium Sulphide	dil	Good	Good	Good
Ammonium Thiocyanate	dil	Good	Good	Good
Amyl Acetate	100	Good	Good	Swells
Amy Alcohol	100	Good	Good	Good
Aniline	100	Slow	Good	Good
Anisole	100		Good	Good
Antimony Chloride	dil	Good	Good	Good
Aqua Regia		No	Good	Good
Aviation Fuel 115/145 octane	100	Good	Good	Swells
Aviation Turbine Fuel	100	Good	Good	Swells
Barium Carbonate		dil	Good	Good
Barium Chloride		dil	Good	Good
Barium Hydroxide		dil	Good	Good
Barium Sulphate		dil	Good	Good
Beer			Good	Good
Benzene		100	Good	Swells
Benzoic Acid			Good	Good

Benzyl Alcohol		Good	Good	Good
Bismuth Carbonate	dil	Good	Good	Good
Boric Acid	dil	Good	Good	Good
Brine	dil	Good	Good	Good
Bromine Liquid	100	No	Reacts	
Bromine Water	dil	Good	Swells	
Butyl Acetate	100	Good		Swells
Butyl Alcohol	100	Good	Good	
Calcium Carbonate	dil	Good	Good	Good
Calcium Chlorate	dil	Good	Good	Good
Calcium Chloride	dil	Good	Good	Good
Calcium Hydroxide	dil	Good	Good	Good
Calcium Hyperchlorite bleach	dil	Good	Good	Good
Calcium Nitrate	dil	Good	Good	Good
Calcium Phosphate	dil	Good	Good	
Calcium Sulphate	dil	Good	Good	Good
Calcium Sulphite	dil	Good	Good	Good
Carbon Disulphide	dil	Good	Good	Swells
Carbon Tetrachloride	100	Good	Swells	Swells
Carbonic Acid	dil	Good	Good	Good
Castor Oil	100	Good	Good	
Cetyl Alcohol	100		Good	Good
Chorobenzene	100	Good	Swells	Swells
Chloroform	100	Good	Swells	Reacts
Chlorosulphonic Acid	100	Slow	Reacts	Reacts
Chrome Alum	dil	Good	Good	Good
Chromic/Sulphuric Acid		No	Reacts	Reacts
Chromic Acid	50%	Good	Good	Good
Cider		Good	Good	Good
Citric Acid	dil	Good	Good	Good
Copper Chloride	dil	Good	Good	Good
Copper Cyanide	dil	Good	Good	Good
Copper Nitrate	dil	Good	Good	Good
Copper Fluoride	dil	Good	Good	Good
Copper Sulphate	dil	Good	Good	Good
Cotton Seed Oil		Good	Good	Good
Cuprous Chloride	dil	Good	Good	Good
Cyclohexanol	100	Good	Good	Good
Cyclohexanone	100	Good	Good	Swells
Detergents		Good	Good	Good
Dibutyl Phthalate	100	Good	Good	Good
Dichloroethylene	100	Good	Swells	
Diethylene Glycol	100	Good	Good	Good

Dipropylene Glycol	100	No	Good	Good
Emulsifiers		Good	Good	Good
Ethyl Acetate	100	Good	Good	Good
Ethyl Alcohol	96	Good	Good	Good
Ethyl Benzene	100	Good	Good	Good
Ethylene Glycol	100	Slow	Good	Good
Ethyl Ether	100	Good	Good	
Ethyl Chloride	100	Good	Swells	Swells
Ethylene Dichloride	100	Good	Good	
Fatty Acids	100	Slow	Good	Good
Feric Chloride	dil	Good	Good	Good
Feric Nitrate	dil	Good	Good	Good
Feric Sulphate	dil	Good	Good	Good
Fluosilicic Acid	dil	Good	Good	Good
Formaldehyde	40	Good	Good	Good
Formic Acid	100	Good	Good	
Fructose		Slow	Good	Good
Fruit juice		Good	Good	Good
Furfural	100	Good	Swells	Swells
Gasoline	100	Good	Good	Swells
Gear Box Oil	100	Good	Good	Good
Glucose	20	Good	Good	Good
Glycerine	100	Slow	Good	Good
Glycol		Slow	Good	Good
Hexane	100	Good	Swells	Swells
Hydrobromic Acid	dil	Good	Good	Good
Hydrochloric Acid	30	No	Good	Good
Hydrochloric Acid	20	Slow	Good	Good
Hydrochloric Acid	10	Good	Good	Good
50-50 HCl HN03		No	Good	Reacts
Hydrofluoric Acid	30	Good	Good	Good
	50	Good	Good	Good
Hydrogen Peroxide	30	Good	Good	Reacts
	10	Good	Good	Good
Inks		Good/Slow	Good	Good
Isopropyl Alcohol	100	Good	Good	Good
Iso-Octane	100	Good	Swells	Swells
Lead Acetate	dil	Good	Good	Good
Linseed Oils	100	Good	Good	Good

Lubricating Oil	100	Good	Good	Good
Magnesium Carbonate	dil	Good	Good	Good
Magnesium Chloride	dil	Good	Good	Good
Magnesium Hydroxide	dil	Good	Good	Good
Magnesium Nitrate	dil	Good	Good	Good
Magnesium Sulphate	dil	Good	Good	Good
Magnesium Sulphite	dil	Good	Good	Good
Meat Juices		Good	Good	Good
Mercuric Cyanide	dil	Good	Good	Good
Mercury	100	No	Good	Good
Mercurous Nitrate	dil	Good	Good	Good
Methyl Ethyl Ketone	100	Good	Good	Swells
Methyl Alcohol	100	Good	Good	Good
Methylene Chloride	100		Swells	
Milk		Good	Good	Good
Mineral Oil	100	Good	Good	Good
Molasses	100	Slow	Good	Good
Motor Oil	100	Good	Good	Good
Nickel Chloride	dil	Good	Good	Good
Nickel Nitrate	dil	Good	Good	Good
Nickel Sulphate	dil	Good	Good	Good
Nitric Acid	fuming	Good	Reacts	Reacts
Nitric Acid	70	Good	Swells	Reacts
Nitric Acid	60	Good	Good	Reacts
Nitric Acid	10	Good	Good	Good
50-50 HN03 / HCl		No	Good	Reacts
50-50 HN03 / H2SO4		No	Swells	Reacts
Nitrobenzene	100	Good	Good	Good
Oleic Acid		Good	Good	Good
Oleum		No	Reacts	Reacts
Olive Oil	100	Good	Good	Good
Paraffin	100	Good	Good	Good
Petrol	100	Good	Good	Good
Phenol	100	Slow	Good	Good
Phosphoric Acid	95	Good	Good	Good
Petroleum Ether	100	Good	Swells	Swells
Potassium Bicarbonate	dil	Good	Good	Good
Potassium Bromate	dil	Good	Good	Good
Potassium Bromide	dil	Good	Good	Good
Potassium Carbonate	dil	Good	Good	Good
Potassium Chlorate	dil	Good	Good	Good

Potassium Chloride	dil	Good	Good	Good
Potassium Chromate	dil	Good	Good	Good
Potassium Cyanide	dil	Good	Good	Good
Potassium Dichromate	dil	Good	Good	Good
Potassium Hydroxide	dil	Good	Good	Good
Potassium Hydroxide	dil	Good	Good	Good
Potassium Nitrate	dil	Good	Good	Good
Potassium Perchloride	dil	Good	Good	Good
Potassium Permanganate	dil	Good	Good	Good
Potassium Sulphate	dil	Good	Good	Good
Potassium Sulphide	dil	Good	Good	Good
Potassium Sulphite	dil	Good	Good	Good
Propyl Alcohol	100	Good	Good	Good
Silicone Oil	100	Good	Good	Good
Soap Solution		Good	Good	Good
Sodium Actetate	dil	Good	Good	Good
Sodium Bicarbonate	dil	Good	Good	Good
Sodium Bisulphate	dil	Good	Good	Good
Sodium Bisulphite	dil	Good	Good	Good
Sodium Borate	dil	Good	Good	Good
Sodium Bromide Oil Solution	dil	Good	Good	Good
Sodium Carbonate	dil	Good	Good	Good
Sodium Chlorate	dil	Good	Good	Good
Sodium Chloride	dil	Good	Good	Good
Sodium Chlorite	dil	Good	Good	Good
Sodium Cyanide	dil	Good	Good	Good
Sodium Dichromate	dil	Good	Good	Good
Sodium Ferricyanide	dil	Good	Good	Good
Sodium Ferrocyanide	dil	Good	Good	Good
Sodium Fluoride	dil	Good	Good	Good
Sodium Hydroxide	40	No	Good	Good
Sodium Hydroxide	30	Slow	Good	Good
Sodium Hypochlorite	dil	Good	Good	Good
Sodium Nitrate	dil	Good	Good	Good
Sodium Nitrite	dil	Good	Good	Good
Sodium Silicate	dil	Good	Good	Good
Sodium Sulphate	dil	Good	Good	Good
Sodium Sulphide	dil	Good	Good	Good
Sodium Sulphite	dil	Good	Good	Good
Stannous Chloride	dil	Good	Good	Good
Sulphuric Acid	98	No	Swells	Swells
Sulphuric Acid	60	Slow	Good	Good
Sulphuric Acid	50	Good	Good	Good
50-50 H2SO4/HN03		No	Swells	Reacts

Sugars and Syrups		Slow	Good	Good
Tannic Acid	dil	Good	Good	Good
Tartaric Acid	dil	Good	Good	Good
Tetrachloroethylene	100	Good	Good	Good
Toluene	100	Good	Swells	Swells
Transformer Oil	100	Good	Good	Swells
Trichloroacetic Acid	100	Good	Good	Good
Trichloroethane	100	Good	Good	Good
Trichloroethylene	100	Good	Swells	Swells
Triethanolamine	100	Good	Good	Good
Turpentine	100	Good	Swells	Swells
Urea		Good	Good	Good
Urine		Good	Good	Good
Vinegar		Good	Good	Good
Water		Good	Good	Good
Whisky		Good	Good	Good
White Paraffin		Good	Good	Good
White Spirit	100	Good	Good	Good
Wines		Good	Good	Good
Xylene	100	Good	Good	Good
Zinc Chloride	dil	Good	Good	Good
Zinc Oxide	dil	Good	Good	Good
Zinc Sulphate	dil	Good	Good	Good

Polypropylene products are compatible for use with the substances and concentration levels shown above. This guide was compiled from various sources as an information aid only. Spill Station Australia P/L assumes no responsibility for the use or misuse of this information.

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