

# FACT FILE



## Technical Data Sheet EIL0101 Issue 1.0

Typical Chemical Properties for PVC Inflatable Bladder Material

<b>Chemical</b>	<b>Concentration</b>	<b>Result</b>
Acetic acid	10%	resistant
dto.	concentrated	not resistant
Aluminium chloride	10%	resistant
dto.	saturated solution	resistant
Alum solution	saturated solution	resistant
Ammonia	10%	resistant
dto.	50%	resistant
Ammonium chloride	20%	resistant
dto.	saturated solution	resistant
Ammonium nitrate	10%	resistant
dto.	saturated solution	resistant
Ammonium sulphate	20%	resistant
dto.	saturated solution	resistant
Benzene		not resistant
Bleaching alkali		resistant
Butyl acetate		resistant
Calcium chloride	10%	resistant
dto.	saturated solution	resistant
Caustic soda	10%	resistant
dto.	35%	not resistant
Chromic acid	400 g/l	discolours
Chromic acid / Phosphoric acid	1 : 1	hardens
Chromic acid / Sulphuric acid	1 : 1	discolours
Citric acid	10%	resistant
dto.	saturated solution	resistant
Calcium chloride	10%	resistant
dto.	saturated solution	resistant
Caustic soda	10%	resistant

### IMPORTANT NOTICE:

This information is given in good faith and may be subject to variation. Please remember that the suitability of a particular material for a particular application depends upon a number of factors including all or some of the following: temperature, composition and concentrations chemicals, mixtures of chemical mixtures, duration of exposure and mechanical agitation. The above information assumes a temperature span of -10C to +40C, the maximum peak short term exposure temperature is 110C. Please note that Environmental Innovations Limited cannot accept any responsibility whatsoever for the use of this information consequential or otherwise. If in doubt a sample of the material should be tested before use.

<b>Chemical</b>	<b>Concentration</b>	<b>Result</b>
Copper chloride	10%	resistant
dto.	saturated solution	resistant
Copper sulphate	10%	resistant
dto.	saturated solution	resistant
Diesel oil		resistant
Diisobutylketone		not resistant
Dimethylformamide		not resistant
Distilled water		resistant
Fluoric acid	10%	resistant
Formaldehyde	10%	resistant
dto.	35%	resistant
Formic acid	10%	resistant
dto.	85%	not resistant
Glycerine		resistant
Glykol		not resistant
Hydrochloric acid	10%	resistant
dto.	concentrated	discolours
Hydrogen peroxide	30%	resistant
Indicator petrol		resistant
Iron trichloride	10%	resistant
dto.	20%	resistant
dto.	saturated solution	resistant
Lactic acid	10%	resistant
dto.	20%	resistant
dto.	50%	resistant
Machine oil		resistant
Mineral oil		resistant
Nitric acid	10%	resistant
dto.	concentrated	not resistant
Oxalic acid	saturated solution	resistant
Paraffin		resistant

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<b>Chemical</b>	<b>Concentration</b>	<b>Result</b>
Perchloroethylene		not resistant
Phosphoric acid	10%	resistant
dto.	85%	resistant
dto.	concentrated	resistant
Potassium bichromate	8%	resistant
Potassium chloride	10%	resistant
dto.	saturated solution	resistant
Potassium hydroxide	10%	resistant
dto.	50%	resistant
Soda solution	10%	resistant
Sodium bicarbonate	saturated solution	resistant
Sodium sulfate	25%	discolours
Sodium sulfide	10%	resistant
Sodium thiosulfate	10%	resistant
Solution of cooking salt	23%	resistant
Spirits		not resistant
Sulphuric acid	10%	resistant
dto.	50%	resistant
dto.	concentrated	limited resistance
Tartaric acid	10%	resistant
dto.	saturated solution	resistant
Trichlorethylene		not resistant
Water		resistant
Xylol		not resistant
Zink chloride	10%	resistant
dto.	50%	resistant

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