

# Chemical Resistance

Sabdrain's drainage channel body is produced from Polypropylene Polymer, a state-of-art plastic that is highly resistant to attacks from a large range of corrosive and destabilising chemical agents.

The following table gives an outline of the suitability for the use of Polypropylene channels with wide range chemical agents and does not take into account the type of grate being used in the application. Customers are advised to test the product to ensure its suitability.

KEY: S - Satisfactory, L - Limited, NS - Not Suitable

Chemical	Concentration	Temperature		
		20	60	100
Acetic Acid	Up to 50%	S	S	L
Acetic Acid, Glacial	>96%	S	L	NS
Acetone	100%	S	S	-
Allyl Alcohol	100%	S	S	-
Almond Oil		S	-	-
Alum	Sol	S	S	-
Ammonia Aqueous	Sat. Sol	S	S	-
Ammonia Liquid	100%	S	-	-
Ammonium Acetate	Sat. Sol	S	S	-
Ammonium Nitrate	Sat. Sol	S	S	S
Ammonium Sulphate	Sat. Sol	S	S	S
Amyl Alcohol	100%	S	S	S
Aniline	100%	S	S	-
Apple Juice		S	-	-
Barium Bromide	Sat. Sol	S	S	S
Barium Chloride	Sat. Sol	S	S	S
Barium Sulphide	Sat. Sol	S	S	S
Beer		S	S	-
Bezene	100%	L	NS	NS
Benzoic Acid	Sat. Sol	S	S	-
Benzyl Alcohol	100%	S	L	-
Boric Acid	Sat. Sol	S	-	-
Butyl Glycol	100%	S	-	-
Calcium Carbonate	Sat. Sol	S	S	S
Calcium Chlorate	Sat. Sol	S	S	-
Calcium Chloride	Sat. Sol	S	S	S
Calcium Hydroxide	Sat. Sol	S	S	S
Calcium Nitrate	Sat. Sol	S	S	-
Castor Oil	100%	S	S	-
Caustic Soda	Up to 50%	S	L	L
Chloroacetic Acid	Sol	S	-	-
Chrome Alum	Sol	S	S	-
Chromic Acid	Up to 40%	S	L	NS

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Chemical	Concentration	Temperature		
		20	60	100
Citric Acid	Sat. Sol	S	S	S
Copper Chloride	Sat. Sol	S	S	-
Dextrin	Sol	S	S	-
Dextrose	Sol	S	S	S
Diethylene Glycol	100%	S	S	-
Dimethyl Fomamide	100%	S	S	-
Ethanolamine	100%	S	-	-
Ethyl Acetate	100%	L	NS	NS
Ethyl Alcohol (Ethanol)	Up to 95%	S	S	S
Ethylene Glycol	Up to 95%	S	S	S
Ferric Chloride	Sat. Sol	S	S	S
Formaldehyde	40%	S	-	-
Formic Acid	10%	S	S	L
Fructose	Sol	S	S	S
Fruit Juice		S	S	S
Gasoline (Petrol)		NS	NS	NS
Gelatine		S	S	-
Glucose	20%	S	S	S
Glycerine	100%	S	S	S
Heptane	100%	L	NS	NS
Hydrochloric Acid	Up to 20%	S	S	S
Hydrochloric Acid	35% -36%	S	-	-
Hydrofluric Acid	40%	S	-	-
Iodine in Alcohol		S	-	-
Isopropyl Alcohol	100%	S	S	S
Lactic Acid	Up to 90%	S	S	-
Lanoline		S	L	-
Linseed Oil		S	S	S
Magnesium Carbonate	Sat. Sol	S	S	S
Magnesium Sulphate	Sat. Sol	S	S	-
Methyl Acetate	100%	S	S	-
Methyl Alcohol (Methanol)	5%	S	L	L
Methyl Amine	Up to 32%	S	-	-
Methyl Ethyl Ketone	100%	S	-	-
Milk		S	S	S
Monochloroacetic Acid	>85%	S	S	-
Nickel Chloride	Sat. Sol	S	S	-
Nickel Sulphate	Sat. Sol	S	S	-
Nitric Acid	Up to 30%	S	NS	NS
Oleic Acid	100%	S	L	-
Olive Oil		S	S	L
Oxalic Acid	Sat. Sol	S	L	NS
Paraffin Oil (FL65)		S	L	NS

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Chemical	Concentration	Temperature		
		20	60	100
Peanut Oil				
Phenol	90%	S	-	-
Phosphoric Acid	Up to 85%	S	S	S
Potassium Bicarbonate	Sat. Sol	S	S	S
Potassium Carbonate	Sat. Sol	S	S	-
Potassium Dichromate	Sat. Sol	S	S	S
Potassium Hydroxide	Up to 50%	S	S	S
Potassium Nitrate	Sat. Sol	S	S	-
Potassium Sulphate	Sat. Sol	S	S	-
Saltwater		S	S	S
Silver Nitrate	Sat. Sol	S	S	L
Sodium Acetate	Sat. Sol	S	S	S
Sodium Bicarbonate	Sat. Sol	S	S	S
Sodium Carbonate	Up to 50%	S	S	L
Sodium Chloride	Sat. Sol	S	S	-
Sodium Hydroxide	From 10%-60%	S	S	S
Sodium Nitrate	Sat. Sol	S	S	L
Sodium Phosphate (Neutral)		S	S	S
Soybean Oil		S	L	-
Sulphuric Acid	96%	S	L	NS
Toluene	100%	L	NS	NS
Trichloroethylene	100%	NS	NS	NS
Triethanolamine	Sol	S	-	-
Urea	Sat. Sol	S	S	-
Vinegar		S	S	-
Water - Brackish, Mineral, Potable		S	S	S
Whiskey		S	S	-
Wines		S	S	-
Xylene	100%	NS	NS	NS
Yeast	Sol	S	S	S
Zinc Chloride	Sat. Sol	S	S	-
Zinc Sulphate	Sat. Sol	S	S	-