

# Chemical resistance chart

Vesconite has a wide range chemical resistance, including resistance to many acids, mild alkalis, organic chemicals, solvents, hydrocarbons, oils and fuels.

Resistance at 25°C (77°F) for Vesconite and Vesconite Hilube.



This chemical resistance chart is given as a guide only. The resistance data are estimates. The aggressiveness of chemical solutions generally increases with higher concentrations and rising temperatures. While general guidelines may be provided, every application needs to be considered individually.

It is recommended that the resistance be checked in practical field tests in the solutions in question.

Chemical Name	%		Chemical Name	%		Chemical Name	%	
Acetaldehyde			Bleaching solution			Citric acid	10	
Acetic acid	10		Boric acid			Copper sulphate		
Acetic acid	100		Brake fluid			Cottonseed oil		
Acetic anhydride			Bromine			Cresol		
Acetone			Butane			Cyclohexane		
Acetonitrile			Butanol			Cyclohexanol		
Acetophenone			Butyl acetate			Cyclohexanone		
Acetyl chloride			Butyl amine			Decalin		
Aluminium chloride	10		Butyl chloride			Detergents	25	
Aluminium sulphate	50		Butyric acid			Dibutyl phthalate		
Ammonia	conc		Calcium chloride			Diesel		
Ammonium hydroxide	10		Calcium hypochlorite			Diethyl ether		
Ammonium sulphate	50		Calypsol greases			Diethylene amine		
Amyl acetate			Carbon disulphide			Diethylene glycol		
Amyl alcohol			Carbon tetrachloride			Dimethyl formamide		
Aniline			Castor oil			Diocetyl phthalate		
Anti freeze			Cellosolve			Dioxane		
Aqua regia			Chloride of lime			Ethanol		
ASTM oils			Chlorine (gas-dry)			Ether		
Barium chloride			Chlorine dioxide			Ethyl acetate		
Barium salts			Chlorine in water			Ethyl alcohol		
Benzaldehyde			Chloroacetic acid			Ethyl chloride		
Benzene			Chlorobenzene			Ethylene dichloride		
Benzyl alcohol			Chloroform			Ethylene glycol		
Benzyl chloride			Chlorosulfonic acid			Ferric chloride		
Bleaching lye			Chromic acid	40		Fixer solution		

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Chemical Name	%	Chemical Name	%	Chemical Name	%
Fluorine (gas)		Nitric acid	10	Sodium hypochlorite	20
Formaldehyde		Nitric acid	40	Sodium nitrate	10
Formic acid	10	Nitrobenzene		Stannic chloride	
Formic acid	90	Octane		Stearic acid	
Freon		Oil of cloves		Sucrose	
Furfural		Oleic acid	100	Sulphur dioxide (gas)	
Gasoline		Olive oil		Sulphuric acid	10
Glycerine		Oxalic acid		Sulphuric acid	70
Glycerol		Ozone (gas)		Sulphuric acid	96
Glycol		Paraffin		Tea	
Grease		Perchloroethylene		Tetrahydrofurane	
Heptane		Petrol		Tetralin	
Hexane		Phenol		Toluene	
High octane petrol		Phosphoric acid	30	Transformer oil	
Hydrobromic acid	50	Potassium bichromate	10	Trichloroacetic acid	
Hydrochloric acid	36	Potassium bromide		Trichloroethane	
Hydrochloric acid	100	Potassium carbonate		Trichloroethylene	
Hydrofluoric acid	5	Potassium hydroxide	1	Tricresyl phosphate	
Hydrofluoric acid	40	Potassium hydroxide	10	Triethanol amine	
Hydrofluoric acid	50	Potassium hydroxide	60	Triethylene glycol	
Hydrogen peroxide	35	Potassium permanganate	25	Turbo oil	
Hydrogen sulfide (gas)		Potassium sulphate		Turpentine	
Ink		Propane		Urea	
Iodoacetic acid		Propanol		Vaseline	
Isopropanol		Propyl alcohol		Vegetable oils	
Kerosene		Pyridine		Vinyl chloride	
Linseed oil		Rapeseed oil		Water	
Lubricating oil		Silicone fluids		Water (sea)	
Magnesium chloride		Silver nitrate		Wine	
Methanol		Soap solutions	1	Xylene	
Methyl alcohol		Sodium bicarbonate	10	Zinc chloride	
Methyl ethyl ketone		Sodium borate		Zinc sulphate	
Methyl glycol		Sodium carbonate	20		
Methylene chloride		Sodium chloride	25		
Mineral oils		Sodium hydroxide	1		
n-Hexane		Sodium hydroxide	10		
Nickel chloride		Sodium hydroxide	60		

