

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.



Resistant



Partly resistant



Not resistant

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		Resistant	Bleaching solution		Resistant	Citric acid	10	Resistant
Acetic acid	10	Resistant	Boric acid		Resistant	Copper sulphate		Resistant
Acetic acid	100	Partly resistant	Brake fluid		Resistant	Cottonseed oil		Resistant
Acetic anhydride		Resistant	Bromine		Partly resistant	Cresol		Not resistant
Acetone		Resistant	Butane		Resistant	Cyclohexane		Resistant
Acetonitrile		Partly resistant	Butanol		Resistant	Cyclohexanol		Resistant
Acetophenone		Partly resistant	Butyl acetate		Resistant	Cyclohexanone		Resistant
Acetyl chloride		Partly resistant	Butyl amine		Partly resistant	Decalin		Partly resistant
Aluminium chloride	10	Resistant	Butyl chloride		Partly resistant	Detergents	25	Resistant
Aluminium sulphate	50	Resistant	Butyric acid		Resistant	Dibutyl phthalate		Resistant
Ammonia	conc	Resistant	Calcium chloride		Resistant	Diesel		Resistant
Ammonium hydroxide	10	Partly resistant	Calcium hypochlorite		Resistant	Diethyl ether		Not resistant
Ammonium sulphate	50	Resistant	Calypsol greases		Resistant	Diethylene amine		Resistant
Amyl acetate		Partly resistant	Carbon disulphide		Resistant	Diethylene glycol		Resistant
Amyl alcohol		Resistant	Carbon tetrachloride		Resistant	Dimethyl formamide		Resistant
Aniline		Resistant	Castor oil		Resistant	Diethyl phthalate		Partly resistant
Anti freeze		Resistant	Cellosolve		Resistant	Dioxane		Resistant
Aqua regia		Not resistant	Chloride of lime		Resistant	Ethanol		Resistant
ASTM oils		Resistant	Chlorine (gas-dry)		Resistant	Ether		Resistant
Barium chloride		Resistant	Chlorine dioxide		Resistant	Ethyl acetate		Resistant
Barium salts		Resistant	Chlorine in water		Partly resistant	Ethyl alcohol		Resistant
Benzaldehyde		Resistant	Chloroacetic acid		Partly resistant	Ethyl chloride		Resistant
Benzene		Resistant	Chlorobenzene		Resistant	Ethylene dichloride		Partly resistant
Benzyl alcohol		Resistant	Chloroform		Partly resistant	Ethylene glycol		Resistant
Benzyl chloride		Resistant	Chlorosulfonic acid		Not resistant	Ferric chloride		Resistant
Bleaching lye		Resistant	Chromic acid	40	Resistant	Fixer solution		Resistant

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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		😊	Tetrahydrofuran		😊
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	☹️			

