

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
<b>ACIDS</b>			
Acetic Acid, 10% Conc.	A	A	
Acetic Acid, Conc.	A	A	A
Acetic Acid, Glacial	A	A	
Acrylic Acid	A	A	
Aqua Regia	C	C	C
Benzene Sulfonic Acid	C		
Benzoic Acid	A	A	
Boric Acid	A	A	
Carbolic Acid	A		
Carbonic Acid	A	A	
Chloroacetic Acid	A	A	
Chlorosulfonic Acid	C	C	C
Chromic Acid, 40% Conc.	A		
Chromic Acid, Conc.	C	C	C
Citric Acid	A	A	
Formic Acid	B	B	
Hydrobromic Acid	C	C	C
Hydrochloric Acid, 10% Conc.	A	A	
Hydrochloric Acid, Conc.	A	B	
Hydrocyanic Acid	A	A	
Hydrofluoric Acid, 40% Conc.	C	C	C
Lactic Acid	A	A	
Maleic Acid	A	A	
Nitric Acid, 10% Conc.	A	A	
Nitric Acid, 30% Conc.	B		
Nitric Acid, 50% Conc.	C	C	C
Nitric Acid, Conc	C	C	C
Nitrous Acid, 10%	A		
Oleic Acid	A		
Oleum	C	C	C
Oxalic Acid	A	A	
Perchloric Acid	A	A	
Phosphoric Acid, 10% Conc.	A	A	A
Phosphoric Acid, 50% Conc.	A	A	A
Phosphoric Acid, 80% Conc.	A	A	
Phthalic Acid	A	A	
Picric Acid	A	A	
Silicic Acid	A	A	
Sulfuric Acid, <40% Conc.	B	B	B
Sulfuric Acid, >40% Conc.	C	C	C
Sulfurous Acid A A	A	A	
Tannic Acid, 10% Conc.	A	A	
Tartaric Acid	A	A	
Trifluoromethyl Sulfonic Acid	C	C	C

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
<b>ALCOHOLS</b>			
Benzyl Alcohol	A		
Butano	A		
Cyclohexanol	A		
Ethanol	A	A	
Ethylene Glycol	A	A	B
Ethylene Glycol, 50% Conc.	A	A	A
Glycerol	A		
Glycols	A	A	
Isopropanol	A		
Methanol	A	A	
Propanol	A		
<b>ALDEHYDES/KETONES</b>			
Acetaldehyde	A	A	
Acetone	A	A	
Benzaldehyde	A		
Cyclohexanone	A		
Formaldehyde	A	A	
Formalin	A		
Ketones	A		
Methylethyl Ketone (MEK)	A	B	C
N-Methyl-2-Pyrrolidone (NMP)	A		
<b>BASES</b>			
Ammonia 880	A		
Ammonia Anhydrous	A	A	A
Ammonia Liquid	A	A	A
Ammonium Hydroxide, 10% Conc.	A		
Ammonium Hydroxide, Conc.	A		
Calcium Hydroxide	A		
Hydrazine	A	A	
Hydroxides	A		
Magnesium Hydroxide	A		
Potassium Hydroxide, 10% Conc.	A		
Potassium Hydroxide, 70% Conc.	A		
Sodium Hydroxide, 10% Conc.	A	A	A
Sodium Hydroxide, 50% Conc.	A	A	A
Sodium Hydroxide, Conc.	A		
<b>ESTER</b>			
Aliphatic Esters	A	A	
Amyl Acetate	A	A	
Butyl Acetate	A		
Dibutyl Phthalate	A		
Dimethyl Phthalate	A		
Diethyl Phthalate	A		
Ethyl Acetate	A		

See key on back

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)	CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
<b>ESTERS (cont.)</b>				<b>HYDROCARBONS (cont.)</b>			
Oils (Di-Ester and Phosphate Ester Based)	A	A		Kerosene	A		
<b>ETHERS</b>				Lubricating Oil	A		
Diethylether	A	A		Methane (Gas)	A	A	A
Dioxane	A			Motor Oil	A	A	A
Ether	A	A		Naphtha	A	A	
Ethylene Oxide (EtO)	A			Naphthalene	A	A	
Tetrahydrofuran (THF)	A			Oils (Petroleum)	A	A	
<b>HALOGENATED ORGANICS</b>				Oils (Vegetable)	A	A	
1,1,1 Trichloroethane (Genklene <sup>1</sup> )	A			Pentane	A		
1,2 Dichloroethane	A			Petroleum Ether	A		
Carbon Tetrachloride	A	A		Propane	A		
Chorobenzene	A	A		Skydrol <sup>4</sup> Hydraulic Fluid	A		
Chloroform	A	A		Styrene (Liquid)	A		
Dibromoethane	A			Toluene	A		
Dichlorobenzene	A			Transformer Oil	A	A	
Dichloroethane	A			Vaseline <sup>5a</sup>	A		
Ethylene Dichloride	A			Xylene	A		
Freon <sup>2</sup> 11	A			<b>INORGANICS</b>			
Trichlorofluoromethane				Aluminum Chloride	A	A	
Freon 113	A			Aluminum Sulfate	A	A	
Trichlorotrifluoroethane				Alum, Saturated	A	A	
Freon 114 1,1 Dichloro	A			Ammonium Chloride, 10% Conc.	A	A	
1,2,2,2 Tetrafluoroethane				Ammonium Nitrate	A	A	
Freon 12	A			Antimony Trichloride	A	A	
Dichlorodifluoromethane				Barium Salts (Chloride, Sulfide)	A		
Freon 22 Chlorodifluoromethane	A	A		Bleach	A	A	
Freon 134a	A			Brine	A	A	
Freon 502	A	A		Bromine	C	C	C
Methylene Chloride	A			Bromine (Dry)	C	C	C
Perchloroethylene	A	A		Bromine (Wet)	C	C	C
Trichloroethylene	A	A		Bromine Water, Saturated	A	A	
<b>HYDROCARBONS</b>				Calcium Bisulfide	A	A	
Acetylene	A	A		Calcium Carbonate	A		
Aromatic Solvents	A	A		Calcium Chloride	A	A	
Aviation Hydraulic Fluid	A			Calcium Hypochlorite	A	A	
Benzene	A	A		Calcium Nitrate	A		
Brake Fluid (Mineral)	A	A	A	Calcium Sulfate	A	A	
Brake Fluid (Polyglycol)	A	A	A	Carbon Dioxide (Dry)	A		
Butane	A			Carbon Monoxide (Gas)	A	A	A
Crude Oil	A			Chlorine	C	C	C
Cyclohexane	A	A		Copper Acetate	A	A	
Diesel Oil	A			Copper Carbonate	A	A	
Dowtherm <sup>3</sup> A			C	Copper Chloride	A	A	
Dowtherm G			B	Copper Cyanide	A	A	
Dowtherm HT			B	Copper Fluoride	A	A	
Dowtherm LF			B	Copper Nitrate	A	A	
Ethane	A			Copper Sulfate	A	A	
Fuel Oil	A			Cupric Fluoride	A	A	
Gas (Manufactured)	A			Cupric Sulfate	A	A	
Gas (Natural)	A			Cuprous Chloride	A	A	
Gasoline	A	A		Ethylene Nitrate	A		
Heptane	A			Ferric Chloride	B	B	
Hexane	A			Ferric Nitrate	A		
Hydraulic Fluid	A			Ferric Oxide	A	A	
Iso-Octane	A						

See key on back

The information contained herein is believed to be correct and corresponds to the latest state of scientific and technical knowledge. However, no warranty is made, either express or implied, regarding its accuracy or the results to be obtained from the use of such information. CP does not grant any chemical resistance of its eddy current free shrouds without written approval relating to each fluid's combined characteristics, consistence, temperature, viscosity, vapour pressure or any other physical or chemical property that may or may not be leading to divergent results from the above given resistances. No statement is intended or should be construed as a recommendation to infringe any existing patent. ©2010 CP Pumpen Ltd., Zofingen

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
<b>INORGANICS (cont.)</b>			
Ferric Sulfate	A		
Ferrous Chloride	A		
Ferrous Nitrate	A		
Ferrous Sulfate	A	A	
Fluorine	C	C	C
Hydrogen Peroxide	A	A	
Hydrogen Sulfide (Gas)	A	A	A
Iodine	B		
Lead Acetate	A	A	
Lime	A	A	
Magnesium Chloride	A	A	
Magnesium Sulfate	A	A	
Mercuric Chloride	A	A	
Mercurous Chloride	A		
Mercury	A	A	
Nickel Acetate	A	A	
Nickel Chloride	A	A	
Nickel Nitrate	A	A	
Nickel Salts	A		
Nickel Sulfate	A	A	
Nitrogen	A		
Nitrous Oxide	A		
Oxygen	A		
Ozone	A	B	
Phosphorous Chlorides	A	A	
Phosphorous Pentoxide	A	A	
Potassium Aluminum Sulfate	A	A	
Potassium Bicarbonate	A		
Potassium Bromide	A	A	
Potassium Carbonate	A		
Potassium Chlorate	A	A	
Potassium Chloride	A	A	
Potassium Dichromate	A		
Potassium Ferricyanide	A		
Potassium Ferrocyanide	A		
Potassium Hydroxide	A	A	
Potassium Nitrate	A	A	
Potassium Permanganate	A		
Potassium Sulfate	A	A	
Potassium Sulfide	A		
Silicone Fluids	A	A	
Silver Nitrate	A	A	
Sodium Acetate	A		
Sodium Bicarbonate	A		
Sodium Carbonate	A	A	
Sodium Chlorate	A	A	
Sodium Chloride	A	A	
Sodium Hypochlorite	A	A	
Sodium Nitrate	A	A	
Sodium Nitrite	A		
Sodium Peroxide	A	A	
Sodium Salts	A		
Sodium Silicate	A	A	
Sodium Sulfate	A	A	
Sodium Sulfide	A	A	

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
<b>INORGANICS (cont.)</b>			
Sodium Sulfite	A	A	
Sodium (Hot)	C	C	C
Stannic Chloride	A	A	
Stannous Chloride	A	A	
Steam	A	A	A
Sulfites	A	A	
Sulfur	A	A	
Sulfur Chloride	A	A	
Sulfur Dichloride	A	A	
Sulfur Dioxide	A	A	A
Sulfur Hexafluoride (Gas)	A		
Sulfur Trioxide	A	A	
Tar	A		
Tetraethyl Lead	A		
Water, Distilled	A	A	
Water	A	A	A
Water, Sea/Salt	A	A	
Zinc Chloride	A	A	
Zinc Sulfate	A	A	
<b>MISCELLANEOUS</b>			
Adhesives (not cyanoacrylates)	A		
Apple Juice	A		
Aviation Spirit	A		
Beer	A	A	
Cooking Oil	A		
Creosote	A		
Detergent Solutions (non-phenolic)	A	A	
Edible Fats & Oils	A		
Fatty Acids	A	A	
Fruit Juice	A	A	
Gelatin	A	A	
Ketchup	A		
Linseed Oil	A		
Milk	A	A	
Mineral Oil	A		
Molasses	A	A	
Olive Oil	A	A	
Peanut Oil	A	A	
Paraffin	A	A	
Sewage	A	A	
Soap Solution	A		
Starch	A	A	
Tallow	A	A	
Turpentine	A		
Urea	A	A	
Varnish	A		
Vinegar	A	A	
Wax	A		
White Spirit	A		
Wines and Spirits	A		
Yeast	A	A	

See key on back

CHEMICAL	73°F (23°C)	212°F (100°C)	392°F (200°C)
<b>ORGANO-NITROGENS</b>			
Acetonitrile	A		
Aniline	A	B	
Dimethyl Formamide (DMF)	A		
Diethylamine	A		
Nitrobenzene	A		C
Pyridine	A	A	
<b>PHENOLE</b>			
Phenol (Conc.)	C	C	C
Phenol (Dilute)	A		
<b>SULFUR COMPOUNDS</b>			
Carbon Disulfide	A	A	
Dimethylsulfoxide (DMSO)	B	B	
Diphenylsulfone (DPS)	B	C	C
Ethylene Sulfate	A		

**KEY**

- A – No attack. Little or no absorption.
- B – Slight attack. Satisfactory use of eddy current free polymer will depend on the application
- C – Severe attack. Eddy current free polymer should not be used for any application where these chemicals are present.

## \* Trade mark information:

- 1 Genklene is a registered trademark of ICI
- 2 Freon is a registered trademark of DuPont
- 3 Dowtherm is a registered trademark of Dow Chemical
- 4 Skydrol is a registered trademark of Monsanto
- 5 Vaseline is a registered trademark of Chesebrough-Pond's, Inc.