

**The reaction of survey blocks or ball control glasses
 to various corrosive substances**

Product	%	Key to behaviour	Product	%	Key to behaviour
ACIDS					
Acetic acid	10	NA	Lactic acid	20	NA
Acetic acid	100	SA	Nitric acid	10	NA
Butyric acid	Concentrated	SA	Nitric acid	Concentrated	SA
Chromic acid	10	NA	Oxalic acid	Saturated	NA
Chromic acid	Saturated	SA	Pharacetic acid		SA
Citric acid	Saturated	NA	Phosphoric acid	10	NA
Formic acid	10	NA	Phosphoric acid	95	SA
Formic acid (conc.)	90	SA	Sulphuric acid	10	NA
Hydrochloric acid	10	NA	Sulphuric acid	30	LA
Hydrofluoric acid	Concentrated	NA	Sulphuric acid	90	SA
Hydrofluoric acid		SA	Tartaric acid	Saturated	NA
ALCOHOLS					
Amyl alcohols	Pure	SA	Methyl alcohol	10	NA
Benzyl alcohol	Pure	SA	Methyl alcohol	50	LA
Butyl Alcohol	Pure	SA	Methyl alcohol	Pure	SA
Ethyl alcohol	30	SA	Propyl alcohol	10	LA
Ethyl alcohol (Anhydrous)	Pure	SA	Propyl alcohol	50	SA
Ethyl alcohol (Brief contact)	10	NA			
BASES					
Caustic potash	10	NA	Cautisc soda	50	SA
Caustic potash	50	SA	Sodium carbonate	Saturated	NA
Caustic soda	10	NA			
GASES					
Acetylene		NA	Ozone		NA
Butane		NA	Propane		NA
Carbonic gases		NA	Sulphur dioxide		NA
Hydrogen		NA	Sulphuric anhydride		SA
Oxygen		NA			
OILS AND GREASY PRODUCTS					
Butyl stearate		NA	Mineral oils		NA
Coconut oil		NA	Paraffin		NA
Lanoline		NA	Sodium oleate		NA
Lockheed oil		SA			
PHENOLS					
Cresol		SA			SA
Metacresol		SA			

Key to behaviour: NA - No Attack LA - Limited Attack SA - Severe Attack

Please note, that the list should not be considered complete. This list shows the effect of various chemicals on the ball control glasses. If a chemical causing damage to the lubricator is applied, our normal guarantee shall no longer apply. In case of doubt, please contact Hans Jensen Lubricators A/S before application.

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DESINFECTANTS AND CLEANING AGENTS					
Ammonia solution (density 0.88)		NA	Hydrogen peroxide (40 volumes)		NA
Ammonia solution (concentrated)		SA	Hydrogen peroxide (90 volumes)		SA
Bleach		NA	Mercurochrome		NA
Bleach		NA	Tincture of iodine		SA
Formaldehyde		NA			
MINERAL SALTS IN SOLUTION					
Alun (saturated solution)		NA	Mercuric	10	SA
Ammonium chloride	Saturated	NA	Potassium bichromate	10	NA
Ammonium nitrate		NA	Potassium chloride	Saturated	
Calcium chloride	Saturated		Potassium iodide		NA
Calcium hypochlorite		NA	Potassium permanganate	10	NA
Chlorine water	2	LA	Sea water		NA
Coper sulphate		SA	Sodium bichromate	10	NA
Ferric perchloride	10		Sodium bisulphate	10	NA
Iron perchloride		SA	Sodium chloride		NA
Iron sulphate		NA	Sodium metaphosphate		NA
SOLVENTS AND MISCELLANEOUS					
Acetaldehyde	100	SA	Ethylene glycol		NA
Acetic anhydride		LA	Ethylene sulphate		SA
Acetone		SA	Freon		SA
Aniline		SA	Gasoil		LA
Benzene		SA	Glycerine		NA
Benzaldehyde		SA	Mercury		NA
Butyl acetate		SA	Methylene chloride		SA
Butyl phthalate		LA	Methylethylketone		SA
Carbon disulphide		SA	Naphtalene		LA
Chloroform		SA	Nonyl phthalate		LA
Cyclohexane		SA	Petrol - standard		LA
Dischloroethane		SA	Petrol super (100 octane)		SA
Diethylchloride		SA	Pyraline		SA
Diethylene glycol		NA	Turpentine		NA
Diocetyl phthalate		LA	Toluene		SA
Dioxane		NA	Trichlorethane		SA
Ethylamine		SA	Trichlorethylene		SA
Ethyl acetate		SA	Tricresyl phosphate		SA
Ethyl chloride		SA	Xylene		SA
Ethyl ether		SA	White spirit (<3% aromatic)		NA
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