

eagent	21°C / 70°F	60°C / 140°F	Reagent	21°C / 70°F	(
4		•	Beer	+	Ī
Acetic acid (10-60%)	+	0	Benzaldehyde	+	
Acetic acid (1-10%)	+	+	Benzene	0	Ī
Acetic acid (80-100%)	+	0	Benzene sulfonic acid	+	Ī
Acetic anhydride	+	+	Benzoic acid	+	Ī
Acetone	+	+	Bismuth carbonate saturated	+	Ī
Aluminum chloride	+	+	Borax	+	Ī
Aluminum fluoride concentrated	+	+	Boric acid	+	
Ammonia	+	+	Brine	+	
Ammonium carbonate	+	+	Bromic acid (10%)	-	
Ammonium chloride saturated	+	+	Bromine	-	
Ammonium fluoride (20%)	+	+	Butyl acetate	-	
Ammonium hydroxide	+	+	Butyl alcohol	+	
Ammonium nitrate	+	+	С		Ī
Ammonium sulfate	+	+	Calcium carbonate	+	
Ammonium sulfide	+	+	Calcium Chlorate	+	
Ammonium thiocyanate saturated	+	+	Calcium hydroxide	+	
Amyl acetate (100%)	0	-	Calcium hypochlorite	+	
Amyl alcohol (100%)	+	0	Calcium nitrate	+	
Amyl Chloride (100%)	-	-	Calcium sulfate	+	
Aniline (100%)	+	-	Camphor oil	-	
Antimony chloride	+	+	Carbon dioxide (dry)	+	
Aqua Regia	O	0	Carbon dioxide (wet)	+	
Arsenic	+	+	Carbon disulphide	О	
В			Carbon monoxide	+	
Barium carbonate	+	+	Carbon tetrachloride	-	
Barium hydroxide	+	+	Carbonic acid	+	
Barium sulfate saturated	+	+	Castor oil	+	
Barium sulfite saturated	+	+	Caustic soda	+	

Legend: + = satisfactory results

<sup>0 =</sup> some reaction

<sup>- =</sup> unsatisfactory results



Reagent	21°C / 70°F	60°C / 140°F
Chlorine	-	-
Chlorobenzene	-	-
Chloroform	-	-
Chlorosulfonic acid	-	-
Chromic acid (10-20%)	+	0
Chromic acid (50%)	+	0
Cider	+	+
Citric acid	+	+
Cooper cyanide	+	+
Copper chloride	+	+
Copper fluoride	+	+
Copper nitrate	+	+
Copper sulfate	+	+
Copper sulfate	+	+
Corn oil	+	+
Cottonseed oil	+	+
Cresols	+	0
Cuprous chloride	+	+
Cyclohexane	-	-
Cyclohexanone	-	-
D		
Decalin	-	-
Dextrin	+	+
E		
Ethyl acetate (100%)	0	0
Ethyl alcohol	+	+
Ethyl alcohol	+	+
Ethylene glycol	+	+

Reagent	21°C / 70°F	60°C / 140°F
F		
Ferric chloride	+	+
Ferric nitrate	+	+
Ferrous chloride	+	+
Ferrous sulfate	+	+
Fluorine	+	-
Fluosilicic acid	+	+
Formaldehyde	+	+
Formic acid (100%)	+	+
Formic acid (20%)	+	+
Fructose saturated	+	+
Fuel oil	0	-
Furfural	-	-
G		
Gasoline	0	-
Glucose	+	+
Glycol	+	+
Н		
Heptane	-	-
Hexachlorobenzene	+	+
Hexane	-	-
Hydrobromic acid (50%)	+	+
Hydrochloric acid	+	+
Hydrogen chloride dry gas	+	+
Hydrogen peroxide (30%)	+	0
Hydrogen sulfide	+	+
Hydroquinone	+	+
l		
Isopropyl alcohol	+	+

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Reagent	21°C / 70°F	60°C / 140°F
К		
Kerosene	0	-
L		
Lactic acid	+	+
Lanolin	+	+
Lead acetate	+	+
Lemon oil	0	0
Linseed oil	+	+
M		
Magnesium carbonate	+	+
Magnesium chloride	+	+
Magnesium hydroxide	+	+
Magnesium nitrate	+	+
Magnesium sulfate	+	+
Mercuric chloride	+	+
Mercuric cyanide	+	+
Mercurous nitrate	+	+
Mercury	+	+
Methyl ethyl ketone (100%)	-	-
Methylene chloride (100%)	-	-
Methylsulfuric acid	+	+
Milk	+	+
Mineral oil	+	-
Molasses	+	
Mustard	+	
N		
Naphtha	0	-
Naphthalene	+	-
Nickel chloride	+	+

Reagent	21°C / 70°F	60°C / 140°F
Nickel nitrate	+	+
Nickel sulfate	+	+
Nitric acid (0-10%)	+	+
Nitric acid, concentrated	-	-
Nitrobenzene (100%)	-	-
0		
Oleum	-	
Olive oil	+	+
Orange juice	+	+
Oxalic acid	+	+
Ozone	-	-
Р		
Peppermint oil	0	-
Perchloroethylene	-	-
Phenol (10%)	+	+
Phosphoric acid	+	+
Potassium bicarbonate saturated	+	+
Potassium bromide	+	+
Potassium carbonate	+	+
Potassium chlorate	+	+
Potassium cyanide	+	+
Potassium dichromate	+	+
Potassium ferrocyanide	+	+
Potassium nitrate	+	+
Potassium perborate saturated	+	+
Potassium permanganate	+	0
Potassium sulfate	+	+
Potassium sulfide concentrated	+	+
Pyridine	+	0

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Reagent	21°C / 70°F	60°C / 140°F
S		
Silver nitrate	+	+
Sodium benzoate (35%)	+	+
Sodium bicarbonate saturated	+	+
Sodium bisulfate saturated	+	+
Sodium bisulfite saturated	+	+
Sodium carbonate concentrated	+	+
Sodium chlorate saturated	+	+
Sodium chloride saturated	+	+
Sodium cyanide	+	+
Sodium hydroxide concentrated	+	+
Sodium hypochlorite	+	0
Sodium nitrate	+	+
Sodium perborate	+	+
Sodium phosphate	+	+
Sodium sulfite	+	+
Sodium thiosulphate	+	+
Soybean oil	+	+
Stannic chloride	+	+
Stannous chloride	+	+
Starch solution	+	+
Styrene	-	-
Sulfuric acid (0-50%)	+	+
Sulfuric acid (98% concentrated)	0	-
Sulfuric acid (fuming)	-	-
Sulfuric-nitric	+	-



The data in this chart refers to general chemical resistance based on the raw material used for production of HENKE-JECT® syringes. Full compatibility testing is required since other factors such as temperature, humidity and others also influence the chemical resistance. Staining of syringe barrel or syringe plunger is not considered in this chart.

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- = unsatisfactory results