

## RESISTENCE OF RILSAN® TO SOME IMPORTANT CHEMICAL PRODUCTS.

**G = GOOD                      L = LIMITED**

PRODUCT	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Acetone	Pure	G	G	L
Agricultural sprays		G	G	
Ammonia	Concentrated	G	G	G
Beer		G		
Calcium chloride		G	G	G
Citric acid		G	G	L
Copper sulphate	Concentrated solutions	G	G	G
Fruit juices		G	G	
Gas-oil		G	G	G
Glucose		G	G	G
Glycerine	Pure	G	G	L
Greases		G	G	G
Hydrocarbons		G	G	G
Hydrogen		G	G	G
Kerosene		G	G	
Lactic acid		G	G	G
Milk		G	G	G
Oils		G	G	G
Oxygen		G	G	L
Petrol		G	G	G
Sea Water		G	G	G
Sodium carbonate	Concentrated solutions	G	G	L
Sodium chloride	Saturated	G	G	G
Stearine		G	G	G
Sulphur		G	G	
Sulphuric acid	1 %	G	L	L
Turpentine		G	G	G
Wine		G		

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INORGANIC BASES	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Ammonia	Liquid or gas	G	G	
Ammonium hydroxide	Concentrated	G	G	G
Lime-wash		G	G	G
Potassium hydroxide	50%	G	L	P
Sodium hydroxide	5%	G	G	L
Sodium hydroxide	10%	G	L	L
Sodium hydroxide	50%	G	L	P

INORGANIC ACIDS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Chromic acid	10%	P	P	P
Hydrochloric acid	1%	G	L	P
Hydrochloric acid	10%	G	L	P
Nitric acid	All concentrations	P	P	P
Phosphoric acid	50%	G	L	P
Sulphur trioxide		L	P	P
Sulphuric acid	1%	G	L	L
Sulphuric acid	10%	G	L	P

INORGANIC SALTS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Alum	Concentrated solutions	G	G	G
Aluminium sulphate	Concentrated solutions	G	G	G
Ammonium nitrate	Concentrated solutions	G	G	G
Ammonium sulphate	Concentrated solutions	G	G	L
Ammonium sulphate	Concentrated solutions	G	G	L
Barium chloride	Concentrated solutions	G	G	G
Calcium arsenate	Concentrated solutions	G	G	G
Calcium arsenate	Concentrated solutions	G	G	L
Calcium chloride	Concentrated solutions	G	G	G
Cooper sulphate	Concentrated solutions	G	G	G
Diammonium phosphate	Concentrated solutions	G	G	L
Magnesium chloride	50 %	G	G	G
Potassium ferrocyanide	Concentrated solutions	G	G	G
Potassium sulphate	Concentrated solutions	G	G	G
Sodium carbonate	Concentrated solutions	G	G	L
Sodium chloride	Saturated	G	G	G
Sodium silicate	Concentrated solutions	G	G	
Sodium sulphide	Concentrated solutions	G	L	L
Trisodium phosphate	Concentrated solutions	G	G	G

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OTHER INORGANIC PRODUCTS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Agricultural spray		G	G	
Bleach solution		L	P	P
Bromine		P	P	
Chlorine		P	P	P
Fluorine		P	P	P
Hydrogen		G	G	G
Hydrogen peroxide	20 vol	G	L	
Mercury		G	G	G
Oxygen		G	G	L
Ozone		L	P	P
Potassium permanganate	5%	P	P	
Sea water		G	G	G
Soda water		G	G	G
Sulphur		G	G	
Water		G	G	G

ORGANIC BASES	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Aniline	Pure	L	P	P
Diethanolamine	20%	G	G**	G**
Pyridine	Pure	L	P	P
Urea		G	G	L

ORGANIC ACIDS AND ANHYDRIDES	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Acetic acid		L	P	P
Acetic anhydride		L	P	P
Citric acid		G	G	L
Formic acid		P	P	P
Lactic acid		G	G	G
Oleic acid		G	G	G
Oxalic acid		G	G	L
Picric acid		L	P	P

Stearic acid		G	G	G
Tartaric acid	Saturated solutions	G	G	G
Uric acid		G	G	G

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HIDROCARBONS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Acetylene		G	G	G
Benzene		G	G**	L
Butane		G	G	G
Cyclohexane		G	G	L
Decalin		G	G	G
Forane® 12 (CFC)		G		
Forane® 22 (CFC)		G		
Hexane		G	G	G
Methane		G	G	G
Naphthalene		G	G	G
Propane		G	G	G
Styrene		G	G**	
Toluene		G	G**	L
Xilene		G	G**	L

ALCOHOLS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Benzyl alcohol		L	P	P
Butanol alcohol		G**	L	P
Ethanol alcohol	Pure	G**	G	L
Glycerine	Pure	G	G	L
Glycol		G	G	G
Methanol alcohol	Pure	G**	L	P

ALDEHYDES AND KETONES	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Acetaldehyde		G	L	P
Acetone	Pura	G	G**	L
Benzaldehyde		G	L	P
Cicloexanone		G	L	P

Formaldehyde	Technical	G	L	P
Methylentylketone		G	G	L
Methylisobutylketone		G	G	L

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CHLORINATED SOLVENTS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Carbon tetrachloride		P		
Methyl bromide		G	P	
Methyl chloride		G	P	
Perchloroethylene		G	G	L
Trichloroethane		L	P	
Trichloroethylene		G	L	

PHENOLS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Phenols		P	P	P

SALTS, ESTERS AND ETHERS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Amyl acetate		G	G	G
Butyl acetate		G	G	G
Diethyl ether		G		
Diethylphosphate		G	G	G
Diethylphthalate		G	G	G
Ethyl acetate		G	G	G
Fatty acid esters		G	G	G
Methyl acetate		G	G	G
Methyl sulphate		G	L	
Tributylphosphate		G	G	G
Tricresylphosphate		G	G	G

VARIOUS ORGANIC COMPOUNDS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Anethol		G		
Carbon disulphide		G**	L*	P
Dimethyl formamide		G	G	L
Ethylene chlorhydrin		P	P	
Ethylene oxide		G	G	L
Furfurol		G	G**	L
Glucose		G	G	G
Tetraethyl lead		G		
Tetrahydrofurane		G	G	L

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VARIOUS PRODUCTS	CONCENTRATION	RESISTANCE		
		20° C	40° C	60° C
Agricultural sprays		G		
Beer		G		
Cider		G		
Crude petroleum		G	G	G**
Emulsions 2,4-D Lindane-D.D.T.		G		
Fruit juices		G	G	
Fuel-oil		G	G	G
Diesel fuel		G	G	G**
Greases		G	G	G
Ground-nut oil		G	G	
High octane petrol		G	G	G**
Kerosene		G	G	G**
Milk		G	G	G
Mustard		G		
Normal petrol		G	G	G**
Oils		G	G	G
Soap solution		G		
Solvent naphtha		G	G	G**
Stearin		G	G	G
Town gas		G	G	
Turpentine		G	G	G**
Vinegar		G		
Wine		G		

\* Slight yellowing.

\*\* Swelling action.