



# CORROSION RESISTANCE GUIDE



## TableTop® Corrosion Resistance Guide

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Resistance  
Guide

Common or Chemical Name	Carbon Steel	Austenitic Series	Acetal	Nylon and Nylatron®	Polyester	Chemically Resistant Fluorinated Polymer	Poly-propylene	Poly-ethylene
	S	SS, SSB	AS, D, WD, DUV, LF, WLF, HP™, WHP	BWR, HS, MR	P, FR	CR	ESD	UHMWPE
Acetic Acid (over 5%-up to 50%)	U	M	U	M	S	S	S	S
Acetone	U	S	S	S	S	U	S	S
Alcohol	S	S	S	S	S	S	S	S
Ammonia	M	S	U	S	S	S	S	S
Beer	S	S	S	S	S	S	S	S
Beverages-Soft Drinks	S	S	S	S	S	S	S	S
Benzene	S	S	S	S	S	S	M	M
Brine (pickle)	U	M	M	M	S	S	S	S
Carbon Tetrachloride	M	M	S	S	S	U	M	M
Chlorine	U	U	U	U	S	S	S	S
Citric Acid	U	S	M	M	S	S	S	S
Cyclohexane	--	--	S	--	--	S	U	U
Ethyl Chloride	--	S	S	S	S	S	M	M
Formaldehyde	S	S	S	S	S	M	S	S
Formic Acid	U	U	U	U	S	S	S	S
Fruit Juices	U	S	S	S	S	S	S	S
Gasoline	S	S	S	S	S	S	M	M
Hexane	--	S	S	--	S	S	S	U
Hydrochloric Acid (up to 2%)	U	U	U	U	S	S	S	S
Hydrochloric Acid (up to 37%)	U	U	U	U	S	S	M	S
Hydrogen Peroxide	U	S	U	U	S	S	S	S
Iodine	U	U	U	U	U	M	M	M
Isopropanol (isopropyl alcohol)	S	S	S	S	S	S	S	S
Lactic Acid	U	S	S	M	S	M	S	S
Methylene Chloride	--	S	S	--	U	M	S	U
Milk	S	S	S	S	S	S	S	S
Muriatic Acid	U	U	U	U	S	S	M	S
Nitric Acid (low concentrations)	U	S	U	U	S	M	S	S
Oil (vegetable or mineral)	S	S	S	S	S	S	S	S
Paraffin	S	S	S	S	S	S	S	S
Phosphoric Acid (up to 10%)	U	S	U	U	S	S	S	S
Soap and Water	M	S	S	S	S	S	S	S
Sodium Chloride	U	M	S	S	S	S	S	S
Sodium Hydroxide (up to 25%)	U	S	S	U	U	M	S	S
Sodium Hypochlorite (Bleach)	U	U	U	U	S	S	S	S
Stearic Acid	U	S	M	S	S	S	S	S
Sulphuric Acid (up to 40%)	U	U	U	U	S	S	S	S
Toluene (Toluol)	S	S	M	S	S	M	S	U
Turpentine	--	S	S	S	S	S	S	U
Vegetable Juices	M	S	S	S	S	S	S	S
Vinegar	U	S	S	S	S	M	S	S
Water (fresh)	U	S	S	S	S	S	S	S
Whiskey	S	S	S	S	S	S	S	S
Wine	S	S	S	S	S	S	S	S
Xylene	S	S	S	S	S	S	U	M

**Dash = Not tested**  
**U = Unsatisfactory**

**M = Marginal**  
**S = Satisfactory**



### General Rules of Thumb:

With thermoplastic products, do not use cleaning or lubricating agents with a pH below 4 or above 10.

This table is based on data available by various material suppliers.

Contact Rexnord Application Engineering for more information 1.262.376.4800

#### Regulatory Information:

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