

B CORROSION CHART

An R indicates that the material is resistant to the named chemical up to the temperature shown, subject to the limitations given in the notes. The notes are given at the end of the table.

A blank indicates that the material is unsuitable. ND indicates that no data was available for the particular combination of material and chemical.

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NOTE

This appendix should be used as a guide only.
Before a material is used its suitability should be
cross-checked with the manufacturer.

METALS										
	Aluminium (a)	Aluminium Bronze	Brass (b)	Cast Iron (c)	Copper	Gunmetal and Bronze (d)	High Si Iron (14% Si) (e)	Lead	Mild Steel BSS 15	Nickel (cast)
Centigrade	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°
Acetaldehyde	R R R	R R R	R R R	R ND ND	R R R	R R R	R R R	R ND	No data	R R R
Acetic acid (10%)	R R	R R R			R R R	R R R	R R R	R ND		R ²⁰ R R
Acetic acid (glac. & anh.)	R ¹ R R	R R R			R R R	R R R	R R R	R ND		R R R
Acetic anhydride	R ¹ R R	R R R		R R R	R R R	R R R	R R R	R R		R R R
Acetone	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R ¹¹	R R R
Other ketones	R R R	R R R		R R R	R R R	R R R	R R R	R R	No data	R R R
Acetylene	R R R		R R R ⁸²	R R R			R R R	R R		R R R
Acid fumes	R ² R R	R ² R ² R ²						R ² R		
Alcohols (most fatty)	R ¹ R R	R R R	R R R	R ²⁴ R R	R R R	R R R	R R R	R R	R R R	R R R
Aliphatic esters	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	No data	R R R
Alkyl chlorides	No data	No data		R ¹¹ R R	R R R	R R R	R R R	R	R ¹¹	R R R
Alum	R R R	R R R			R R R	R R R	R R R	R R ¹⁸ R ¹⁹		R
Aluminium chloride	R ¹¹ ND ND	R ²⁰ R ²⁰			R R R	R R R	R R R	R ^{4,10}		
Ammonia, anhydrous	R R R	R R R		R	R R R ⁸³	R R R	R R R	R R R ⁶²	R R R	
Ammonia, aqueous	R R R			R R			R R R	R R	R R	
Ammonium chloride	R ²⁴ R R			R			R R R	R R		R R R
Amyl acetate	R R R	R R R		R ¹¹ R R	R R R	R R R	R R R	R ⁴ ND ND	No data	R R R
Aniline	R R R			R R R			R R R	R R	No data	R R R
Antimony trichloride		No data		R ¹¹ R R	No data	R	R ¹¹ R R	R ⁴ R		R ¹¹ R R
Aqua regia										
Aromatic solvents	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R ¹¹	R R R
Beer	R R R	R R R	R R R	R R ND	R R R	R R R	R R ND			R R R
Benzoic acid	R R R	R R R	R R R		R R R	R R R	R R R	R ⁴		R R R
Boric acid	R R	R R R	R R R		R R R	R R R	R R R	R R R ⁶²		R R R
Brines, saturated	R R R	R R R		R ⁸⁴	R R R ²⁰	R R	R R R	R R		R R R
Bromine	R ¹¹ R R	R ²⁰		R ¹¹ R			R	R ²⁴		
Calcium chloride	R R R	R R R		R R R	R R R	R R R	R R R	R ⁴		R ²⁰ R R
Carbon disulphide	R R R	R	R R R	R R R	R R R	R R R	R R R	R R R		R
Carbonic acid	R R R	R R R						ND		R
Carbon tetrachloride	R	R R R	R R R	R ¹¹ R R	R R R	R R R	R R R	R R ¹¹	R ¹¹ R	R R R
Caustic soda & potash		R		R R	R R R	R R R	R R R	R R ²⁵	R R	R R R
Chlorates of Na, K, Ba	R ¹¹ R R	R R R			R R R	R R R	R R R	R R R ⁴	R R R	R R R
Chlorine, dry	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R ⁴	R R R	R R R
Chlorine, wet								R R		
Chlorides of Na, K, Mg	R R R	R R R			R R R ²⁰	R R R	R R R	R ⁴ R ^{4,22}	No data	R R R
Chloroacetic acids		No data			No data	No data			No data	R ¹¹ R R
Chlorobenzene	R ND ND	R R R	No data	R R R	No data	R R R	R R R	R R	R ¹¹ R	R R R
Chloroform	R ¹ R R	R R R	R R R	R R R	R R R	R R R	No data	R R	R ¹¹ R	R R R
Chlorosulphonic acid		R ²⁰ R ²⁰ R ²⁰	No data	R ¹¹ R R				R ⁴	R	
Chromic acid (80%)								R R		
Citric acid	R R R	R R R			R R R	R R R	R R R	R R ²⁵		R R R
Copper salts (most)		R R R					R ¹⁶ R R	R ¹⁶ R		R
Cresylic acids (50%)	R R R	R R R			R R R	R R R	R R R	R R R		R R R
Cyclohexane	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	No data	R R R
Detergents, synthetic	R R R	No data	R R R	No data	R R R	R R R	No data	R R	No data	R R R
Emulsifiers (all conc.)	R R R	R R R	No data	No data	R R R	No data	No data	R R	No data	No data
Ether	R ¹ R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R R	R R R
Fatty acids (> C ₆)	R R R	R R R			R R R	R R R	R R R	R ⁴ R ⁵⁸		R R R
Ferric chloride								R ⁴		
Ferrous sulphate		R ²⁰ R ²⁰ R ²⁰						R R R		
Fluorinated refrigerants, aerosols, e.g. Freon	R ¹¹ ND ND	R R R	R R R	R R R	R R R	R R R	R R R	R R	R ¹¹ ND ND	No data
Fluorine, dry	R R R	R R R ¹¹			R R R	R R R		R ⁴ R	R R R	R R R
Fluorine, wet				No data				R R ND		R R R
Fluosilicic acid								R R R ⁵⁸		R ²⁰ R R
Formaldehyde (40%)	R	R R R	R	R	R R R	R R R	R R R	No data	R	R R R
Formic acid	R	R R R	No data		R R R	R R R	R R R	R ³⁰ R ³⁶		R R R

METALS											
Nickel-Copper Alloys (c)	Ni Resist (High Ni Iron) (c)	Platinum	Silver	Stainless Steel 18/8 (f)	Molybdenum Stainless Steel 18/8 (f)	Austenitic Ferritic Stainless Steel (x)	Tantalum	Tin (g)	Titanium	Zirconium	
20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	
R R R	R ND	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R R	R R R	
R R R	R	R R R	R R R	R R R	R R R	R R R	R R R	R	R R R	R R R	
R R R	R	R R R	R R R	R R	R R R ⁸⁴	R R R	R R R		R R R	R R R	
R R R	R R R	R R R	R R R	R ⁸⁰	R R R	R R R	R R R	R R R	R R R	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	
R ² R R	R R R	R R R		R R R	R R R	R R R	R R R	R R	R ND ND	R R R	
R R R	R R R	R R R	R ¹⁶ R R	R ² R R	R ² R R	R ¹⁰² R ¹⁰² R ¹⁰²	R ⁵ R R	R ¹⁴ R R	R ² R ² R ²	R ² R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R ²³ R ²³ R ²³	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R	R R R	R R R	
R R R	R R	R R R	R R R	R ¹¹ R R	R ¹¹ R R	R R R	R R R	R	R R R	R R R	
R R	R R	R R R	R R R	R R ¹³	R ⁸⁴ R	R R	R R R	R	R R R	R R R	
R R R	R R R	R R R	R R R	R ⁸⁴	R R R	R R R	R R R	R ²⁷ R R	R R R ¹⁰	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	
R R R	R R R	R R R	R ³⁰ R R	R R R	R R R	R R R	R R R	R ¹³	R R R	R R R	
R R R	R R R	R R R	R ²³ R R	R ⁸⁴	R ⁸⁴ R	R	R R R	R	R R R	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R	R R R	R R R	
R ND ND	R R R	R R R	R R R	R ¹¹	R ¹¹ R ¹¹	R R	R R R	R	R R ND	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R ND	R R R	
R R R	R R ND	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R R	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	No data	R R R	R R R	R R R	R R R	
R R R	R R R	R R R	R R R	R ⁴²	R ⁴²	R R R	R R R	R	R R R	R R R	
R R R	R R R	R R R	R R R		R ⁴²		R R R		R ⁹⁰	R ⁹⁰ R R	
R R R	R R R	R R R	R R R	R R ND	R R ND	R R R	R R R	R R	R R R	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	
R R R	R R R	R R R	R R R	R ¹¹ R R	R ¹¹ R R	R R R	R R R	R ¹¹ R R	R R R	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R ¹⁰³ R ¹⁰³	R ¹⁰ R R		R R ¹⁹ R ¹⁵	R R R	
R R R	R R R	R R R	R R R	R ¹⁶ R R	R ¹⁶ R R	R R R	R R R ²⁵	R R	R ⁷⁹ R ⁷⁹ R ⁷⁹	R ²⁵ R ²⁵ R ²⁵	
R R R	R R R	R R R	R R R	R R R	R R R		R R R		R ⁹¹ R R		
R R R	R R ND ND	R R R	R R R	R ⁸⁴	R ⁸⁴ R	R ⁵⁶ R ⁵⁶	R R R	R ²⁷ R R	R R R	R R R	
R R R	R R R	R R R	R R R	R ¹¹ R ND	R ¹¹ R R	R R R	R R R	No data	No data	R R R	
R R R	R R R	R R R	R R R	R ¹¹ R R	R ¹¹ R R	R R R	R R R	R ¹¹ R R	R R ND	R R R	
R R	R ³⁰ R R	R ²⁰ R R	R ²⁰ R R		R ⁸⁴	No data	R R R			R R R ¹⁹	
R R R	R R R	R R R	R R R	R ¹³ R R	R R R ¹³	R R R	R R R	R ²⁰ R R	R R R ²⁷	R R R	
R R R	R ND ND	R R R	R R R	R ¹⁶ R R	R ¹⁶ R R	R ¹⁶ R ¹⁶ R ¹⁶	R R R		R R ND ND	R R R	
R R R	No data	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	
No data	No data	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R ND	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	No data	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R ND	R R R	
R R	R	R R R		R R R	R R R	R R R	R R R	R R	R R R	R R R	
R R R	R R R	R R R	R R R	R ¹¹ R R	R ¹¹ R R	R R R	R R R	R R R	R R R	R R R	
R R R	No data	R R R		R ND ND	R ND ND	R R			R ⁵ R R		
R R R	No data	R R R		R ND ND	R ND ND						
R R R	R ¹² R ¹² ND	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R R	R R R	
R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R R	R R R	
R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R		R ⁶⁷ R ⁶⁹	R ¹⁰ R ²⁰	

METALS										
	Aluminium (a)	Aluminium Bronze	Brass (b)	Cast Iron (c)	Copper	Gunmetal and Bronze (d)	High Si Iron (14% Si) (e)	Lead	Mild Steel BSS 15	Nickel (cast)
Centigrade	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°
Fruit juices	R R R	R R R			R R R	R R R	R R R		No data	R R R
Gelatine	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	No data	R R R
Glycerine	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R	R R R
Glycols	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R	R R R
Hexamine								R R	No data	R R R
Hydrazine	R ND ND			No data			No data	ND	R R R	R ND ND
Hydrobromic acid (50%)		R		ND ND						
Hydrochloric acid (10%)		R ⁶²					R R			R
Hydrochloric acid (conc.)		R ²⁰ R ²⁰ R ²⁰						R ^{4,11}		
Hydrocyanic acid	R R R	R ²⁰ R ²⁰ R ²⁰					R R R	R R		R R R
Hydrofluoric acid (40%)		R ⁶²						R		R ²⁰
Hydrofluoric acid (75%)		R ⁶²								R
Hydrogen peroxide (30%)	R R R						R			R
Hydrogen sulphide	R R R	R ¹¹ R R	R ¹¹ R R	R	R ¹¹ R R	R ¹¹ R R	R R R	R R	R ¹¹ R R	R ¹¹ R R
Hypochlorites		R					R R R	R ^{4,34,76}		
Lactic acid (100%)	R R R	R R			R R	R ⁴ R ⁴	R R R	ND		R R R
Lead acetate	R ¹¹ R R	No data		No data						R R R
Lime (CaO)	R ¹¹	R R R	R R R	R R R	R R R	R R R	R R R	R ⁴	R ¹¹ R R	R R R
Maleic acid	R R R	No data	No data		R R R	No data	R R ND		No data	R R R
Meat juices	R R R	R R R		No data			No data	No data	No data	No data
Mercuric chloride							R			
Mercury				R R R			R R R		R R R	R ²⁷ R R
Milk & its products	R R R	R R R		No data		R R R	No data			R R R
Moist air	R R R	R R R			R R R	R R R	R R R	R R R		R R R
Molasses	R R R	R ³⁰ R ³⁰ R ³⁰	R ³⁰ R	R R R	R ³⁰ R R	R ³⁰ R R	R R R		No data	R R R
Naphtha	R R R	R R R	R R R	R R R	R R R	R R R	No data	R R R	R	R
Naphthalene	R R R	No data	No data	R R R	R R R	No data	R R R	R R	R	R R R
Nickel salts		No data		No data		R R R	R R R	R R		R ²⁶ R R
Nitrates of Na, K, NH ₃	R R R	R ⁷³ R ⁷³ R ⁷³		R ¹¹ R R			R R R			R R R
Nitric acid (<25%)							R			
Nitric acid (50%)							R R R			
Nitric acid (95%)	R R R						R R R		R	
Nitric acid, fuming	R ND ND						R R R		R	
Oils, essential	R R R	R R R	R R R	R R R	R R R	R R R	R R R	No data	R R	R R R
Oils, mineral	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R	R R R
Oils, vegetable & animal	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R	R R R
Oxalic acid	R ³⁰	R R R	No data		R R R	R R R	R R R	R ⁴		
Ozone	R R R	No data	No data	R ND ND	No data	No data	R R R	No data	R ¹¹ R R	No data
Paraffin wax	R R R	R R R	R R R	R R R	R R R	R R R	R R ND	R R	R R	R R R
Perechloric acid			No data				R R R			
Phenol	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R ⁴ R ¹⁹	No data	R R R
Phosphoric acid (25%)	R	R R R			R R R		R R R	R R R		
Phosphoric acid (50%)		R R R					R R R	R R R ⁴		
Phosphoric acid (95%)		R R R					R R R	R R		
Phosphorus chlorides		R ¹¹ R ¹¹ R ¹¹		R ¹¹ R			R R R ¹¹	R R R	R ¹¹ R R	R R R
Phosphorus pentoxide	R ¹¹ ND ND	No data					R R R		R ¹¹ R R	No data
Phthalic acid	R R R	R R R	No data		R R R	R R R	R R R	R R	No data	R R R
Picric acid	R ND ND						R R R	R ⁴		R ¹¹
Pyridine	R R R	No data		R R R			R R R	R R		R R R
Sea water	R R R	R R R	R ⁶² R R	R ⁸⁴	R R R	R R R	R R R	R R	No data	R R ND
Silicic acid	R R R		No data		R R R	No data	R R ND	R R	No data	R R ND
Silicone fluids	R R R	R R R	R R R	R R R	R R R	R R R	No data		No data	R R R
Silver nitrate				ND ND			R R R			
Sodium carbonate	R ⁴² R	R R R ⁴	R R R	R ¹¹ R R	R R R	R R R	R R R	R ⁴	R R R	R R R
Sodium peroxide				R ¹⁰ R R			R ¹⁰ R ¹⁰ R ¹⁰			R R R

METALS										
	Aluminium (a)	Aluminium Bronze	Brass (b)	Cast Iron (c)	Copper	Gunmetal and Bronze (d)	High Si Iron (14% Si) (e)	Lead	Mild Steel BSS 15	Nickel (cast)
Centigrade	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°
Sodium silicate	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R
Sodium sulphide	R R R	R ¹¹	R R R	R R R	R R R	R R R	R ND	R ⁴ R R	R R R	R R R
Stannic chloride	R R R	R ¹¹	No data	R R R	R R R	R R R	R R	No data	No data	R R R
Starch	R R R	R R R	No data	R R R	R R R	R R R	R R R	No data	No data	R R R
Sugar, syrups, jams	R R R	R R R	R R R	R R ND	R R R	R R R	R R R	No data	No data	R R R
Sulphamic acid	R ⁵⁰	No data	No data	R R R	R R R	R R R	R R R	R R R	No data	No data
Sulphates (Na, K, Mg, Ca)	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R R	R R R
Sulphites	R R R	R R R	R R R	R ³⁸ R R	R R R	R R R	R ³⁸ R	R R	R R R	R R R
Sulphonic acids	No data	No data	No data	R ¹¹	R R R	No data	R R R	R R	No data	No data
Sulphur	R R R	R R R	R R R	R R	R R R	R R R	R R R	R R R	R R R	R R R
Sulphur dioxide, dry	R R R	R R R	R R R	R R	R R R	R R R	R R R	R R R	R R R	R R R
Sulphur dioxide, wet	R ⁴ R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R
Sulphur trioxide	R R R	R ¹¹ R R	R ¹¹ R R	R R R	R ¹¹ R R	R ¹¹ R R	R R R	R R ⁴ R	R ¹¹ R R	R R R
Sulphuric acid (< 50%)	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R
Sulphuric acid (70%)	R R R	R R ⁶²	R R R	R	R R R	R R R	R R R	R R R	R R R	R R R
Sulphuric acid (95%)	R R R	R ⁶²	R R R	R R	R R R	R R R	R R R	R R	R R	R R R
Sulphuric acid, fuming	R ⁴	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R	R R R
Sulphur chlorides	R R R	R R R	R R R	R ¹¹ R ¹¹	R R R	R R R	No data	R ⁴	R R R	No data
Tallow	R R R	R R R	No data	R R R	R R R	No data	R R R	R R	No data	No data
Tannic acid (10%)	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R	R ND ND
Tartaric acid	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R ⁴ R R	R R R	R ²⁰ R R
Trichlorethylene	R R R	R R R	R R R	R R R	R R R	R R R	R R ND	R R	R ¹¹ R	R R R
Vinegar	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R	R R R	R R R
Water, distilled	R R R	R ⁵³ R	R R R	R R R	R ⁵³ R	R ⁵³ R R	R R R	R ⁵³ R R	R ⁵³ R R	R R R
Water, soft	R ⁴³ R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R ⁵³ R R	R R R
Water, hard	R ¹⁴ R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	R R R
Yeast	R R R	No data	No data	R R R	R R R	R R R	R R R	No data	No data	R R R
Zinc chloride	R R R	R R R	R R R	R R R	R R R	R R R	R	R ⁴ R	R R R	R ²⁰ R R

METALS											
Nickel-Copper Alloys (c)	Ni Resist (High Ni Iron) (c)	Platinum	Silver	Stainless Steel 18/8 (f)	Molybdenum Stainless Steel 18/8 (f)	Austenitic Ferritic Stainless Steel (x)	Tantalum	Tin (g)	Titanium	Zirconium	
20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	
R R R No data	R R R R R R	R R R R R R R R R	R R R R ³⁸ R R	R R R R R	R R R R R	R R R No data	R R R R R R	R R R	R R ND R ND R ¹⁰ R ¹⁵ R ¹⁵ R ¹⁵	R R R R R R R ¹⁵ R ¹⁵ R ¹⁵	
R R R R R R	R R R R R R	R R R R R R	R R R R R R	R ³² R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R ND No data	R R R R R R	
R R R R R R	R ²⁰ R R R R ³⁸ R R	R R R R R R R R R	R R R R R R	R ⁴⁴ R R R	R R ³⁷ R R R	R R R R R	R R R R R R	R R R R R R	No data	No data	
R R R R R	No data R R R	R R R R R R	No data R ¹¹ R R	No data R R R	No data R R R	No data R R R	R R R R R R	R R R R R R	R ND R ²⁴	R R R R R R	
R R R R R	R R R R ND R ND	R R R R R R R R R	R R R R R R R ¹¹ R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R ND R R R	R R R R R R	
R R R R R	R ²⁰ R	R R R R R R	R R R R R R	R R R R R R	R ¹⁰ R	R R R R	R R R R R R	R R R R R R	R ³⁹ R R R ³⁹ R	R R R R R R	
R R R R R	R R R R R R	R R R R R R	R R R	R R ⁸⁰ R	R R ⁸⁰ R	R R R R	R R R R R R	R R R R R R	No data	R R R R R R	
R R R R R R	R R R R R R	R R R R R R	R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	
R R R R R R	R R R R R R	R R R R R R	R R ²⁰ R R R R	R R R R ¹¹ R R	R R R R ¹¹ R R	R R R R R R	R R R R R R	R ²⁰ R R R ¹¹ R R	R R R ¹⁰ R R R	R R R R R R	
R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	
R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R ³⁴ R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	
R R R No data R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R R R R R R	R ⁵⁷ R R R R	R R R No data	R R R R R R	

THERMOPLASTIC RESINS																											
	Acrylic Sheet (e.g. Perspex)			Acrylonitrile Butadiene Styrene Resins (I)			Nylon 66 Fibre (m)			Nylon 66 Plastics (m)			PCTFE			PTFE (n)			PVDF (y)			Rigid Unplasticised PVC			Plasticised PVC		
Centigrade	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°
Sodium silicate	R	R		R			R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	
Sodium sulphide	R	R ⁶⁸		R			R	R	ND	R	ND	ND	R	R	R	R	R	R	R	R	R	R	R		R	R	
Stannic chloride	R ⁶⁸	R								R ⁵⁰	ND	ND	R	R	R	R	R	R	R	R	R	R	R		R	R	
Starch	R	R		R			R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	
Sugar, syrups, jams	R	R		R	R		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R				No data
Sulphamic acid		No data			No data		R ⁴³	R	R		No data			No data			No data			R	R		No data			No data	
Sulphates (Na, K, Mg, Ca)	R	R		R	R		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	
Sulphites	R	R		R				No data			No data		R	R	R	R	R	R	R	R	R	R	R			No data	
Sulphonic acids		No data			No data						No data			No data		R	R	R	R	R	R	R	R		R	R ⁵⁰	
Sulphur	R	R ⁶⁸		R	ND			No data		R	ND	ND	R	R	R	R	R	R	R	R	R	R	R				No data
Sulphur dioxide, dry	R	R ⁶⁸		R				No data		R	ND	ND	R	R	R	R	R	R	R	R	R	R	R		R	R	
Sulphur dioxide, wet	R	R ⁶⁸		R				No data		R ⁵⁰			R	R	R	R	R	R	R	R	R	R	R		R	R ⁵⁰	ND
Sulphur trioxide		No data		R	R						No data			No data		R	R	R	R	R	R	R	R		R	R ¹³	
Sulphuric acid (<50%)	R ²⁵	R ²²											R	R	R	R	R	R	R	R	R	R	R		R	R	
Sulphuric acid (70%)													R	R	R	R	R	R	R	R	R	R	R		R	R	
Sulphuric acid (95%)													R	R	R	R	R	R	R	R	R	R	R		R	R ⁵⁰	
Sulphuric acid, fuming													R	R	R	R	R	R	R	R	R	R	R		R	R	
Sulphur chlorides		No data			No data						No data			No data		R ³⁰	R	R		No data		ND				No data	
Tallow	R ⁶⁸	R		R	R		R	R	R	R	ND	ND	R	R	R	R	R	R	R	R	R	R	R		R	R	
Tannic acid (10%)	R	ND			No data		R	ND	ND	R	ND	ND	R	R	ND	R	R	R	R	R	R	R	R		R	R	
Tartaric acid	R	R		R	R		R	ND	ND	R	R ⁵⁰	ND	R	R	ND	R	R	R	R	R	R	R	R		R	R	
Trichlorethylene							R	R	R	R	R	R ⁵⁰	R	R	R	R ¹⁴	R	R	R	R	R	R	R		R	R	
Vinegar	R	R ⁶⁸		R	R					R ⁵⁰	ND	ND	R	R	R	R	R	R	R	R	R	R	R		R	R	
Water, distilled	R	R		R	R		R	R	R	R	R ⁵⁰	R	R	R	R	R	R	R	R	R	R	R	R		R	R	
Water, soft	R	R		R	R		R	R	R	R	R ⁵⁰	R	R	R	R	R	R	R	R	R	R	R	R		R	R	
Water, hard	R	R		R	R		R	R	R	R	R ⁵⁰	R	R	R	R	R	R	R	R	R	R	R	R		R	R	
Yeast	R	R ⁶⁸		R			R	R	R	R	ND	ND	R	R	R	R	R	R	R	R	R	R	R		R	ND	
Zinc chloride	R	R ⁶⁸		R	R		R ⁴³	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	

THERMOPLASTIC RESINS					THERMOSETTING RESINS				
Polyethylene Low Density	Polyethylene High Density	Polycarbonate Resins	Polypropylene	Polystyrene	Melamine Resins (m)	Furanic Resin	Epoxy Resins (p)	Phenol Form- aldehyde Resins (r)	Polyester Resins
20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°	20° 60° 100°
R R	R R	ND	R R R	No data	R	R R R	R R	R	R R R ⁵⁵
R R	R R	No data	R R R	No data	R	R R R	R R	No data	R R R ⁶⁵
R R	R R	No data	R ⁷ R R	R ¹ R	ND ND	R R ND	R ⁶⁸	R ND ND	No data
R R	R R	R ND	R R R	R R	R R	No data	R R	R R R	No data
R R	R R	R	R R ND	R R	R R	No data	R R	R R R	No data
ND ND	No data	No data	R R ND	No data	R ND ND	R ND ND	No data	No data	No data
R R	R R	R R ND	R R ND	R R	R R	R R R	R R ³⁰	R R R	R R ³⁰ R ⁶⁵
R ³⁴	R R	No data	R R ND	R R	R R	R R R	R R	R R	R R ³⁰ R ⁶⁵
No data	No data	No data	No data	No data	No data	R R ND	R R ⁴⁴	No data	No data
R R	R R	No data	R R ND	No data	R R	R R R	R R	No data	No data
R R	R R	No data	R R	R R	R	R R R	R R	R ND ND	R ND ND
R	R R	ND	R R ND	R R	R	R R R	R	R ND ND	R ³⁰ ND ND
R R	R R	ND	No data				R ¹¹	R ND ND	R ³⁰ ND ND
R R	R R	R R	R R	R	R ¹⁰	R R R	R R ³⁰	R R R	R ³⁰ R
R R ⁵⁰	R R ⁵⁰	R R ND	R				R ³⁰		R ³⁰ R
R ⁵⁰	R ⁵⁰ R ³⁰		R ⁵⁶						
	R ⁶⁰	R ⁶⁰							
ND ND	No data		No data	No data	ND ND	R R R	No data	R ND ND	No data
R	R ⁵⁰ ND ND	R ND	R R ND	R	R R	No data	R R	R R R	No data
R R	R ⁵⁶ R	ND	R R ND		R R	No data	R R ³⁰	R R R	R R R
R R ¹⁰	R R	R R	R R ND	R R	R R	No data	R R ³⁰	R R R	R R R
	R ⁵⁰				R R	R R R	R R R	R R R	R R ³⁰
R R	R R	No data	R R ND	R	R R	No data	R R ¹	R ND ND	R R ³⁰
R R	R R	R R R	R R R	R R	R R	R R R	R R	R R R	R R R ³⁰
R R	R R	R R R	R R R	R R	R R	R R R	R R	R R R	R R R ³⁰
R R	R R	R R R	R R R	R R	R R	R R R	R R	R R R	R R R ³⁰
R R	R R	R R R	R R R	R R	R R	R R R	R R	R R R	R R R ³⁰
R ND	R R	ND	R R ND	No data	R R	No data	R R	No data	No data
R R	R R	R R	R R ND	R R	R	R R R	R ND	R ND ND	R R ³⁰ R ⁶⁵

RUBBERS																												
	Butyl Rubber and Halo-Butyl Rubber			Ethylene Propylene Rubber (q)			Hard Rubber (Ebonite) (h)			Soft Natural Rubber (h)			Neoprene (i)			Nitrile Rubber			Chlorosulphonated Polyethylene			Polyurethane Rubber (v)			Silicone Rubbers (s)			
	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	
Acetaldehyde	R	R	ND	R	R	ND	R	R	R	R ⁹⁰	R ⁹⁰	ND				R	R					ND	ND		R	R	R	
Acetic acid (10%)	R ¹⁴	R	R	R	R ¹⁴	ND	R	R	R				R	R	R ¹⁴	R	R		R	R	ND	R ⁸⁰	R ⁸⁰		R	R	R	
Acetic acid (glac. & anh.)	R ¹⁴	R	R	R ¹⁴	R ¹⁴	ND	R	R	R				R ⁹⁵		R ¹⁴	R			R	R	ND	R ⁸⁰			R ¹⁷	R	R	
Acetic anhydride	R ⁸⁰	R	R	No data			R	R ³⁰					R	R	ND				R	R	ND	R ¹⁵	ND	ND	R ¹⁷	R	R	
Acetone	R	R		R ⁶⁰	R ⁶⁰		R	R	R	R ⁶⁰	R	ND							R ¹⁵	ND	ND				R ¹⁷	R	R	
Other ketones	R ¹³	R	R	R ⁶⁰	R ⁶⁰		R ¹³	R	R	R ³⁰	R	R													R ¹⁷	R	R	
Acetylene	R	R ⁸⁰		No data			R ⁸⁰	R	R				R ¹⁴	R	R	R	ND	ND	R ¹⁴	R	R				ND	ND		
Acid fumes	R ²	R	R	R ²	R ²	R ²	R ²	R	R	R ²	R	R ^{2,30}	R ²	R	R	R ²			R	R	R ²	R ²	R ²		R ²	R ²		
Alcohols (most fatty)	R	R		R ⁶⁰	R ⁶⁰		R ³⁰	R	R	R ⁶⁰	R		R	R	R ¹⁴	R	R	R	R	R	R	R ⁴	R ⁴		R ⁴	R ⁴		
Aliphatic esters													No data															
Alkyl chlorides																												
Alum	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Aluminium chloride	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ⁴	
Ammonia, anhydrous	R	R	ND	R	R	ND	R	R	R	R ⁸⁰			R	R	R	R	R	R	R ¹⁰	ND	ND	R ⁸⁰			R	R	R	
Ammonia, aqueous	R	R	R	R	R	R	R	R	R	R	R	R ⁸⁰	R	R	R	R	R	R	R	R	R	R ³⁰	R ⁸⁰		R	R	R	
Ammonium chloride	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Amyl acetate	R ⁸⁰																								R ²¹	R	R	
Aniline	R	R	ND																						R	R	R	
Antimony trichloride	R	R	R	No data			R	R	R				No data			No data			R	R	R				ND	ND		
Aqua regia																			R ⁸⁰									
Aromatic solvents																R ⁶²	R								R ²¹	R	R	
Beer	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R	R	R ⁸⁰	R	R	R	R	R	R	R	R	
Benzoic acid	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		No data		R	R	R	R	R	R	
Boric acid	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Brines, saturated	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Bromine				No data																								
Calcium chloride	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Carbon disulphide																R	ND	ND							R	R		
Carbonic acid	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Carbon tetrachloride																												
Caustic soda & potash	R	R	R	R	R	R	R	R	R ¹³	R	R	R	R	R	R	R	R	R	R	R	R	R ³⁰	R ³⁰		R	R	R ³⁰	
Chlorates of Na, K, Ba	R	R	R	R	R	R	R	R	R	R	R	R	No data			No data			R	R	R	R	R	R	R	R	R ³⁰	
Chlorine, dry	R ⁵⁰	R	R	R ⁵⁰	R ⁵⁰	R ⁵⁰	R ³⁰	R	R											No data					R	R	R	
Chlorine, wet	R ⁸⁰	R	R	R ⁵⁰	R ⁵⁰	R ⁵⁰	R ¹³	R	R										R ³	ND	ND				R	R	R	
Chlorides of Na, K, Mg	R	R	R	R	R	R	R	R	R	R	R	R ⁸⁰	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Chloroacetic acids	R ¹⁰						R ²	R	R				R	R	ND										R ⁸⁰			
Chlorobenzene																												
Chloroform																												
Chlorosulphonic acid	R ¹³	R ¹³		R ¹³	R ¹³		R ¹³	R	ND											No data		R ³⁰	ND				No data	
Chromic acid (80%)																				R ³⁰	R	ND				R ¹⁹	R	R
Citric acid	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Copper salts (most)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	ND	R	R	R	R	R	R	
Cresylic acids (50%)	R ⁴			No data															R						ND	ND		
Cyclohexane																												
Detergents, synthetic	R ¹³	R	R	R ¹³	R ¹³	R ¹³	R	R	R	R ⁸⁰	R ⁸⁰	R	R	R	R	R	R	R	R	R	R	R ³⁰	R ³⁰		R	R	R	
Emulsifiers (all conc.)	R	R	R	No data			R	R ⁴	R ⁴	No data			R ³⁰	R	R	R	R	R	R ³⁰	R	R	ND	ND		R	R	R	
Ether																												
Fatty acids (>C ₆)	R ¹	R ⁸⁰	R	R ⁸⁰	R ⁸⁰		R ⁸⁰	R ¹³	R ⁸⁰				R	R	R	R	R ⁴		R	R	R	R ⁴	R ⁸⁰		R	R	R	
Ferric chloride	R	R	R	R	R	R	R	R	R	R ⁸⁰	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Ferrous sulphate	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Fluorinated refrigerants, aerosols, e.g. Freon	R ⁴	ND	ND	No data			No data			No data			R ³⁰	R	ND	R ³⁰	R	R	R ³⁰	ND	ND	ND	ND		ND	ND		
Fluorine, dry	R ⁸⁰	ND	ND	R ⁸⁰	ND	ND	R ¹³	R ¹³	ND				No data			No data				No data								
Fluorine, wet	R ⁸⁰	ND	ND	R ⁸⁰	ND	ND	R ¹³	R ¹³	ND				No data			No data				No data								
Fluosilicic acid	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	No data			R	R	R	R	R	R	R	R	R	
Formaldehyde (40%)	R ⁸⁰			R ⁸⁰			R	R ³⁰	R	R ¹⁴			R	ND	ND				R			R			ND	ND		
Formic acid	R ¹³	R	R	R ¹⁴	R ¹⁴		R	R ⁸⁰		R ⁸⁰			R	R	R				R	R	R	R	R	R	R	ND	ND	

RUBBERS																													
	Butyl Rubber and Halo-Butyl Rubber			Ethylene Propylene Rubber (q)			Hard Rubber (Ebonite) (h)			Soft Natural Rubber (f)			Neoprene (i)			Nitrile Rubber			Chlorosulphonated Polyethylene			Polymethane Rubber (v)			Silicone Rubbers (k)				
	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°		
Fruit juices	R ⁸⁰	R ⁸⁰		R ⁶⁰	R ⁶⁰		R ⁶⁵	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Gelatine	R	R	R	R	R		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Glycerine	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Glycols	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ⁴	R	R	R	R	R	R	R	R	R	R	
Hexamine	R	R	ND	No data			R	R	ND	R	R	ND	R	R ¹⁷	R	No data			R	R	R	ND	ND	No data					
Hydrazine	R	R	ND	R	ND	ND	R						R ¹¹	ND	ND	R				No data	ND	ND						No data	
Hydrobromic acid (50%)	R	R	R	R	R	ND	R	R	R ³⁷	R ³⁷	R ⁵⁵	R	R	ND	ND	R				R	R	ND	R ¹⁵	R ¹⁵	R ³⁰				
Hydrochloric acid (10%)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R				R	R		R	R			R	
Hydrochloric acid (conc.)	R ⁴	R	R	R	R ⁴	R ⁸⁰	R	R ³⁷	R ³⁷	R	R ⁸⁰	R	R	R ²⁵	ND	R				R	R		R	R			R	R ³⁰	
Hydrocyanic acid	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R				R	R	ND	R	R				No data	
Hydrofluoric acid (75%)				R ³⁰	ND	ND							R							R	R	ND							
Hydrogen peroxide (30%) (30-90%)	R ⁸⁰	R	R	R ⁸⁰	ND	ND	R ⁸⁰						R	R		R				R ⁸⁷	R ⁸⁷		R ¹	ND			R	R	
Hydrogen sulphide	R	R	R	R	R	R	R	R	R	R	R	R	R	R	ND	R				R	ND	ND	R	R				No data	
Hypochlorites	R ³⁰	R ⁸⁰	R	R	R	ND	R ³⁰	R		R ^{80,76}			R	R		R				R	R	R	R ³⁰	ND			R	R	
Lactic acid (100%)	R	R	ND	R	R	ND	R	R	R	R ^{14,80}			R	R	R	R	R			R	R	R	R ²³	R ²³			R	R	
Lead acetate	R	R	R	R	R	R	R	R	R	R	R ⁸⁰	R	R	R	R	R	ND	ND		No data	R	R		R	R			R	R ³⁰
Lime (CaO)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R			R	R	
Maleic acid	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	ND				No data	R	R		R	R			R	R
Meat juices	R	R	R	R	R	R	R ¹³	R	R	R ¹⁴	R	R	R	R	R	R	R	R		R	R	R	R	R			R	R	
Mercuric chloride	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			R	R	R	R	R			R	R	
Mercury	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R			R	R	
Milk & its products	R ⁸⁰	R	R	R ⁸⁰	R ⁸⁰		R	R	R				R	R	R	R	R			R	R	R	R	R			R	R	
Moist air	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R			R	R	
Molasses	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	ND	ND		R ⁸⁰	R	R	R	R			R	R	
Naphtha																				R	R								
Naphthalene																													
Nickel salts	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R			R	R	
Nitrates of Na, K, NH ₃	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R			R	R	
Nitric acid (<25%)	R ²³	R ²³	R ²³				R ¹⁰¹	R		R ¹⁰¹			R	R		R				R	R						R	R	
Nitric acid (50%)																				R	R						R ²¹	R	
Nitric acid (95%)																				R	R						R		
Nitric acid, fuming																				R ⁸⁰							R		
Oils, essential	R ¹⁴	R	ND	R ⁶⁰	ND	ND	R ¹⁴			No data			R ¹⁴	ND	ND	R ⁴	R ⁴			R ⁸⁰			R	R			R ³⁰	R	R
Oils, mineral				R ⁸⁰	R ⁸⁰	R ⁸⁰							R	ND	ND	R	R	R		R ³⁰			R	R			R ³⁰	R	R
Oils, vegetable & animal	R	R	R ¹⁴	R ¹⁴	R ¹⁴		R ⁸⁰	R	R	R ¹⁴	R		R ¹⁴	ND	ND	R	R	R		R ³⁰			R	R			R	R	
Oxalic acid	R	R	R	No data			R	R	R	R ⁸⁰	R	R	R	R	R	R	R			R	ND	ND	ND	ND			R	R	
Ozone	R	R	R	R	R	R	R	R	R				R	R	R	R ³⁰				R	R	R	R	R			R	R	
Paraffin wax	R	R	R	R	R	ND	R	R	R	R	R ¹⁴		R	R	R	R	R	R		R	R	R	R	R			R	R	
Perchloric acid	R			R																No data			ND	ND				No data	
Phenol	R	R ⁸⁰	ND	R ⁸⁰			R ¹³	R																			R	R	
Phosphoric acid (25%)	R	R	R	R	R	R	R	R	R ⁶⁰	R	R	R ⁶⁰	R	R	R	R	R	ND		R	R	R	R	R			R	R	
Phosphoric acid (50%)	R	R	R	R	R	R	R	R	R ⁶⁰	R	R	R ⁶⁰	R	R	R	R	R			R	R	R	R	R			R ³⁰	R	
Phosphoric acid (95%)	R	R	R	R	R	R	R ³⁶	R	R ⁶⁰	R ³⁶	R	R ⁶⁰	R	R	R	R				R	R	R	R	R			R ³⁰	R	
Phosphorus chlorides	R			No data			No data			No data			No data																No data
Phosphorus pentoxide	R	R	ND	R	R	ND	R	R		R	R		R	R	R					No data			ND	ND			R	R	
Phthalic acid	R ¹⁵	R	R	R ¹⁵	R ¹⁵	ND	R ⁸⁰	R ⁸⁰	R ⁸⁰				R	ND	ND	R	ND	ND		No data			R	ND			R	R	
Pieric acid	R ⁸⁰	R	R	No data			R	R ³⁰	R	R	R ³⁰		R	R	R					R	R	R	ND	ND				No data	
Pyridine	R ⁴																												No data
Sea water	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R			R	R	
Silicic acid	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	ND				R	R	R	R	R			R	R	
Silicone fluids	R	R	ND	No data			R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	ND			R ²¹	R	
Silver nitrate	R	R	R	R ⁶⁰	R ⁶⁰	R ⁶⁰	R ⁶¹			R ⁸⁰	R		R	R	R	R	ND			R	R	R	R	R			R	R	
Sodium carbonate	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R			R	R	
Sodium peroxide	R	R	R	R	R	ND	R ¹³	R		R ⁸⁰	R ⁸⁰	ND	R	R ⁹⁷	ND	R ¹³				R	R	R	ND	ND			R	R	

RUBBERS																															
	Butyl Rubber and Halo-Butyl Rubber			Ethylene Propylene Rubber (q)			Hard Rubber (Phenolic) (h)			Soft Natural Rubber (b)			Neoprene (i)			Nitrile Rubber			Chlorosulphonated Polyethylene			Polyurethane Rubber (v)			Silicone Rubbers (s)						
	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°	20°	60°	100°				
Sodium silicate	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	ND	R	R	R	R	R	R	R	R	R	R	R		
Sodium sulphide	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	ND	No data	R	ND	R	ND	R	R	R	R	R	R		
Stannic chloride	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Starch	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Sugar, syrups, jams	R ¹³	R	R	R ⁶⁰	R ⁶⁰	R ⁶⁰	R ¹³	R	R	R ¹³	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Sulphamic acid	No data			R	R	ND	R ¹³	R		No data			R	ND	ND	No data			R	R	R	R	R	R	R	No data					
Sulphates (Na, K, Mg, Ca)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Sulphites	R	R	R	R	R	R	R	R	R	R ⁸⁰	R ⁸⁰	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Sulphonic acids	R ¹³	R	R	R ¹³	R ¹³	R ¹³	R ²	R ²	R ²	R	R	R	R	R	R	ND			R	R	R	R	R	R	ND	R	R	R	No data		
Sulphur	R	R	R	R	R	R	R	R	R	R			R	R	R	R ³⁰	R	R	R	R	R	R	R	ND	ND	R	R	R	R	R	R
Sulphur dioxide, dry	R	R	R	R	R	R	R	R	R				R	R	R									ND	ND	R	R	ND	R	R	ND
Sulphur dioxide, wet	R	R	R	R	R	R	R	R	R ⁴				R	R	R				R ⁴	R	R	ND	ND	ND	ND	R	R	ND	R	R	ND
Sulphur trioxide																No data										R	R	R	R	R	R
Sulphuric acid (<50%)	R	R	R	R	R	R	R	R	R	R	R		R	R					R	R	R	R	R	R ²⁵	R ²⁵	R	R	R	R	R	R
Sulphuric acid (70%)				R ⁸⁰			R ⁶⁶						R						R										No data		
Sulphuric acid (95%)																			R												
Sulphuric acid, fuming																															
Sulphur chlorides																No data			No data												
Tallow	R	R	R ⁴	R	R ⁴	ND	R	R	R	R	R		R	R	R	R	R	R	R	R	R	R	ND	R	ND	R ³⁰	R	R	R	R	R
Tannic acid (10%)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R	R	R	R	R	R	R	R	R
Tartaric acid	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	R	R	R	R	R	R	R	R	R	R
Trichlorethylene																R ⁶⁵													R ²¹	R	R
Vinegar	R	R	R	R	R ¹⁴		R	R	R	R ⁸⁰	R		R	R	R	R	R ³⁷	R	R	R	R	R	R	R ⁸⁰	R ³⁰	R	R	R	R	R	R
Water, distilled	R	R	R	R	R	R	R ³⁰	R	R	R ³⁰	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Water, soft	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Water, hard	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Yeast	R	R	R	No data			R	R	R	R	R	R	R	R	R	R	ND	ND	R	R	R	R	R	ND	ND	R	R	R	R	R	R
Zinc chloride	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	ND	R	R	R	R	R	R	R	R	R	R	R	R	R

