
BELZONA® PRODUCT DATA M511

CHEMICAL RESISTANCE OF BELZONA® 1591

AT TEMPERATURES OF 120°C - 185°C

INORGANIC ACIDS

Chlorosulphonic acid
Nitric acid (0-10%)
Nitric acid (10-20%)
Nitric acid (20-50%)

RATING

T
S
S
S

Phosphoric acid (0-5%)
Phosphoric acid (5-10%)
Phosphoric acid (10-20%)

RATING

S
S
S

ORGANIC ACIDS

Carbonic acid
Chloroacetic acid
Citric acid

RATING

T
T
T

Cresylic acid
Lactic acid (0-10%)
Phenol (80%)

RATING

T
T
T

ALCOHOLS

Methanol
Ethanol
Propanol
Butanol
Ethylene glycol
Glycerol

RATING

T
T
T
T
T
T

Higher alcohols
2-Methoxyethanol
Propylene glycol
Secondary alcohols
Tertiary alcohols

RATING

T
T
T
T
T

ALKALIS

Ammonia (0-10%)
Ammonia (10-20%)
Ammonia (20-40%)
Barium hydroxide
Calcium hydroxide
Lime Water
Magnesium hydroxide

RATING

T
T
T
S
S
S
S

Potassium hydroxide (0-10%)
Potassium hydroxide (10-20%)
Potassium hydroxide (20-40%)
Sodium hydroxide (0-10%)
Sodium hydroxide (10-20%)
Sodium hydroxide (20-40%)

RATING

S
S
S
S
S
S

<u>AMINES & AMIDES</u>	<u>RATING</u>		<u>RATING</u>
Aniline	T	Monoethanolamine	T
Diethylamine	T	Methyldiethanolamine	T
Dimethylformamide	T	Pyridine	T
Diethanolamine	T	Triethanolamine	T
Methylamine (25% in water)	T		

<u>ESTERS & ETHERS</u>	<u>RATING</u>		<u>RATING</u>
Amyl acetate	T	Diethyl sebacate	T
Butyl acetate	T	Diethyl ether	T
Dibutyl adipate	T	Diphenyl isodecylphosphate	T
Dibutyl phthalate	T	Ethyl acetate	T
Dibutyl sebacate	T	Isopropyl ether	T
Dioctyl adipate	T	Methyl acetate	T
Dioctyl phthalate	T		

<u>GASEOUS SOLUTIONS</u>	<u>RATING</u>		<u>RATING</u>
Carbon monoxide	OK	Natural Gas	OK
Hydrogen	OK	Nitrogen	OK

<u>HALOCARBONS</u>	<u>RATING</u>		<u>RATING</u>
Carbon tetrachloride	T	Methylene chloride	T
Chlorobenzene	T	Perchloroethylene	T
Chloroform	T	1, 1, 1, - Trichloroethane	T
Dry cleaning fluids	T		

<u>HYDROCARBONS</u>	<u>RATING</u>		<u>RATING</u>
Benzene	T	Mineral spirits	T
Cyclohexane	T	Pentane	T
Heptane	T	Toluene	T
Hexane	T	White Spirit	T
Iso-octane	T	Styrene	T
Misher alcanes	T	Xylene	T

<u>KETONES</u>	<u>RATING</u>		<u>RATING</u>
Acetone	T	Methyl ethyl ketone	T

Copper sulphate	E		<u>RATING</u>
<u>SALTS cont</u>	<u>RATING</u>		
Epsom salt	E	Sodium carbonate	E
Ferric nitrate	E	Sodium chloride	OK
Ferric sulphate	E	Sodium chromate	T
Ferrous chloride	E	Sodium cyanide	E
Ferrous sulphate	E	Sodium fluoride	E
Lead acetate	E	Sodium metaphosphate	E
Magnesium bisulphate	E	Sodium metasilicate	S
Magnesium chloride	E	Sodium nitrate	E
Magnesium sulphate	E	Sodium phosphate (dibasic)	E
Mercuric chloride	E	Sodium phosphate (tribasic)	E
Mercuric cyanide	E	Sodium silicate	E
Nickel ammonium sulphate	E	Sodium sulphide	E
Nickel chloride	E	Stannous chloride	E
Nickel nitrate	E	Zinc chloride	E
Nickel sulphate	E	Zinc hydrosulphite	E
Sodium sulphate	E	Zinc sulphate	E

These tables should only be considered as a guide to the performance which might be expected under practical conditions.

In these tables, the following nomenclature has been used:-

- OK = Recommended on basis of successful laboratory testing
- S = Sacrificial. Will provide limited resistance depending upon temperature, flow rate, entrained solids
- T = Possibly resistant. Laboratory testing or field trial required before proceeding
- PR = Probably resistant
- E = Expected to be resistant, but not tested

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