

# CHEMICAL RESISTANCE OF BELZONA® 1593

FN10151



|                            |  |   |               | Chemical Resistance |        |        |       |
|----------------------------|--|---|---------------|---------------------|--------|--------|-------|
|                            | Chemical name<br>(Synonym)                     | Chemical formula<br>(CAS number)              | Concentration | 20 °C               | 60 °C  | 90 °C  | Other |
|                            |  |   |               | 68 °F               | 140 °F | 194 °F |       |
| Inorganic Acids            | Hydrochloric acid                              | HCl<br>(7647-01-0)                            | 20%           | Ex                  | Ex     | M      | -     |
|                            |  |   | 10%           | Ex                  | Ex     | M      | -     |
|                            |  |   | 5%            | Ex                  | Ex     | Ex     | -     |
|                            |  |   | 3%            | Ex                  | Ex     | Ex     | -     |
|                            | Nitric acid                                    | HNO <sub>3</sub><br>(7697-37-2)               | 10%           | Ex                  | G      | G      | -     |
|                            | Nitrous acid                                   | HNO <sub>2</sub><br>(7782-77-6)               | 10%           | Ex                  | G      | G      | -     |
|                            | Phosphoric acid<br>(orthophosphoric acid)      | H <sub>3</sub> PO <sub>4</sub><br>(7664-38-2) | 10%           | Ex                  | Ex     | Ex     | -     |
|                            |  |   | 5%            | Ex                  | Ex     | Ex     | -     |
|                            | Sulphuric acid                                 | H <sub>2</sub> SO <sub>4</sub><br>(7664-93-9) | 20%           | M                   | Ex     | G      | -     |
|                            |  |   | 10%           | Ex                  | Ex     | G      | -     |
| 5%                         |  |   | Ex            | Ex                  | Ex     | -      |       |
| 3%                         |  |   | Ex            | Ex                  | Ex     | -      |       |
| Organic Acids              | Acetic acid<br>(ethanoic acid)                 | CH <sub>3</sub> COOH<br>(64-19-7)             | 10%           | Ex*                 | P      | P      | -     |
|                            |  |   | 5%            | Ex*                 | M      | P      | -     |
|                            | Carbonic acid                                  | H <sub>2</sub> CO <sub>3</sub><br>(463-79-6)  | -             | Ex                  | Ex     | Ex     | -     |
| Phenol<br>(hydroxybenzene) | C <sub>6</sub> H <sub>5</sub> OH<br>(108-95-2) | 80%   | M*            | P                   | P      | -      |       |

|           |    |   |
|-----------|----|---|
| Excellent | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks<br><i>suitable for all applications including long term immersion</i>  |
| Good      | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks<br><i>suitable for short-term immersion and general chemical contact</i>   |
| Moderate  | M  | no significant deterioration / barrier properties retained for 1 - 12 weeks<br><i>suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment</i> |
| Poor      | P  | significant deterioration / loss of barrier properties after 1 week or less<br><i>not suitable for any application</i>  |
| *         |    | Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance  |
| Ex        |    | <b>Bold</b> text highlights real life data obtained via chemical resistance testing   |
| Ex        |    | Normal font indicates that the resistance has been predicted based upon partial test data and/or similar reagents   |

# CHEMICAL RESISTANCE OF BELZONA® 1593

FN10151



|                                 |   |   |               | Chemical Resistance |        |        |                       |
|---------------------------------|---|---|---------------|---------------------|--------|--------|-----------------------|
|                                 | Chemical name<br>(Synonym)                                    | Chemical formula<br>(CAS number)                                  | Concentration | 20 °C               | 60 °C  | 90 °C  | Other                 |
|                                 |   |   |               | 68 °F               | 140 °F | 194 °F |                       |
| Alcohols, Aldehydes and Ketones | Acetone<br>(propanone)  | (CH <sub>3</sub> ) <sub>2</sub> CO<br>(67-64-1)                   | -             | Ex                  | -      | -      | -                     |
|                                 | Amyl alcohol  | C <sub>5</sub> H <sub>11</sub> OH<br>(71-41-0)                    | -             | Ex                  | Ex     | Ex     | -                     |
|                                 | n-Butanol<br>(butyl alcohol)                                  | C <sub>4</sub> H <sub>9</sub> OH<br>(71-36-3)                     | -             | Ex                  | Ex     | Ex     | -                     |
|                                 | Ethanol<br>(ethyl alcohol)                                    | CH <sub>3</sub> CH <sub>2</sub> OH<br>(64-17-5)                   | -             | Ex                  | Ex     | -      | -                     |
|                                 | Ethylene glycol<br>(ethan-1,2-diol, monoethylene glycol, MEG) | (CH <sub>2</sub> OH) <sub>2</sub><br>(107-21-1)                   | -             | Ex                  | Ex     | Ex     | -                     |
|                                 | Glycerol<br>(glycerine, propane-1,2,3-triol)                  | HOCH <sub>2</sub> CH(OH)CH <sub>2</sub> OH<br>(56-81-5)           | -             | Ex                  | Ex     | Ex     | -                     |
|                                 | n-Hexanol<br>(hexyl alcohol)                                  | C <sub>6</sub> H <sub>13</sub> OH<br>(111-27-3)                   | -             | Ex                  | Ex     | Ex     | -                     |
|                                 | Higher alcohols   | C <sub>n</sub> H <sub>(2n+1)</sub> OH where n > 2                 | -             | Ex                  | Ex     | Ex     | -                     |
|                                 | Isopropyl alcohol (IPA)<br>(isopropanol, propan-2-ol)         | CH <sub>3</sub> CH(OH)CH <sub>3</sub><br>(67-63-0)                | -             | Ex                  | Ex     | -      | -                     |
|                                 | Isobutyl alcohol (IBA)<br>(isobutanol, 2-methylpropan-1-ol)   | (CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> OH<br>(78-83-1) | -             | Ex                  | Ex     | Ex     | -                     |
|                                 | Methanol<br>(methyl alcohol)                                  | CH <sub>3</sub> OH<br>(67-56-1)                                   | -             | Ex                  | Ex     | -      | -                     |
|                                 | Methanol solution (aqueous)                                   | CH <sub>3</sub> OH <sub>(aq)</sub><br>(67-56-1)                   | 55%           | Ex                  | Ex     | -      | 79 °C<br>174 °F<br>Ex |
|                                 | Methyl ethyl ketone (MEK)<br>(2-butanone, methyl acetone)     | CH <sub>3</sub> C(O)CH <sub>2</sub> CH <sub>3</sub><br>(78-93-3)  | -             | Ex                  | G      | -      | -                     |

|           |    |   |
|-----------|----|---|
| Excellent | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks<br><i>suitable for all applications including long term immersion</i>  |
| Good      | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks<br><i>suitable for short-term immersion and general chemical contact</i>   |
| Moderate  | M  | no significant deterioration / barrier properties retained for 1 - 12 weeks<br><i>suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment</i> |
| Poor      | P  | significant deterioration / loss of barrier properties after 1 week or less<br><i>not suitable for any application</i>  |
| *         |    | Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance  |
| Ex        |    | <b>Bold</b> text highlights real life data obtained via chemical resistance testing   |
| Ex        |    | Normal font indicates that the resistance has been predicted based upon partial test data and/or similar reagents   |

# CHEMICAL RESISTANCE OF BELZONA® 1593

FN10151



|                                    |   |   |               | Chemical Resistance |        |        |       |
|------------------------------------|---|---|---------------|---------------------|--------|--------|-------|
|                                    | Chemical name<br>(Synonym)                | Chemical formula<br>(CAS number)  | Concentration | 20 °C               | 60 °C  | 90 °C  | Other |
|                                    |   |   |               | 68 °F               | 140 °F | 194 °F |       |
| Alcohols, Aldehydes and Ketones    | Propan-1-ol<br>(Propyl alcohol)           | CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH<br>(71-23-8)   | -             | Ex                  | Ex     | Ex     | -     |
|                                    | Propylene glycol<br>(1,2-Propanediol)     | CH <sub>3</sub> CH(OH)CH <sub>2</sub> OH<br>(57-55-6)   | -             | Ex                  | Ex     | Ex     | -     |
|                                    | Secondary alcohols                        | R <sub>1</sub> R <sub>2</sub> CHOH  | -             | Ex                  | Ex     | Ex     | -     |
|                                    | Tertiary alcohols                         | R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> COH  | -             | Ex                  | Ex     | Ex     | -     |
|                                    | Triethylene glycol<br>(triglycol)         | HOCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OH<br>(112-27-6)                                  | -             | Ex                  | Ex     | Ex     | -     |
|                                    | Tetraethylene glycol<br>(tetraglycol)     | HOCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OH<br>(112-60-7) | -             | Ex                  | Ex     | Ex     | -     |
| Alkalis / Bases                    | Barium hydroxide                          | Ba(OH) <sub>2</sub><br>(17194-00-2)   | -             | Ex                  | Ex     | Ex     | -     |
|                                    | Calcium hydroxide<br>(lime water)         | Ca(OH) <sub>2</sub><br>(1305-62-0)  | -             | Ex                  | Ex     | Ex     | -     |
|                                    | Magnesium hydroxide<br>(milk of magnesia) | Mg(OH) <sub>2</sub><br>(1309-42-8)  | -             | Ex                  | Ex     | Ex     | -     |
|                                    | Potassium hydroxide<br>(caustic potash)   | KOH<br>(1310-58-3)  | 40%           | Ex                  | Ex     | Ex     | -     |
|                                    |   |   | 20%           | Ex                  | Ex     | Ex     | -     |
| 10%                                |   |   | Ex            | Ex                  | Ex     | -      |       |
| Sodium hydroxide<br>(caustic soda) | NaOH<br>(1310-73-2)                       | 50%   | Ex            | Ex                  | Ex     | -      |       |
|                                    |   | 40%   | Ex            | Ex                  | Ex     | -      |       |
|                                    |   | 20%   | Ex            | Ex                  | Ex     | -      |       |
|                                    |   | 10%   | Ex            | Ex                  | Ex     | -      |       |

|           |    |   |
|-----------|----|---|
| Excellent | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks<br><i>suitable for all applications including long term immersion</i>  |
| Good      | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks<br><i>suitable for short-term immersion and general chemical contact</i>   |
| Moderate  | M  | no significant deterioration / barrier properties retained for 1 - 12 weeks<br><i>suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment</i> |
| Poor      | P  | significant deterioration / loss of barrier properties after 1 week or less<br><i>not suitable for any application</i>  |
| *         |    | Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance  |
| Ex        |    | <b>Bold</b> text highlights real life data obtained via chemical resistance testing   |
| Ex        |    | Normal font indicates that the resistance has been predicted based upon partial test data and/or similar reagents   |

# CHEMICAL RESISTANCE OF BELZONA® 1593

FN10151



|                   |  |  |               | Chemical Resistance |        |        |       |
|-------------------|--|--|---------------|---------------------|--------|--------|-------|
|                   | Chemical name<br>(Synonym)   | Chemical formula<br>(CAS number)   | Concentration | 20 °C               | 60 °C  | 90 °C  | Other |
|                   |  |  |               | 68 °F               | 140 °F | 194 °F |       |
| Amines & Amides   | Diethanolamine (DEA)<br>(2,2'-iminodiethanol)  | HN(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub><br>(111-42-2)  | -             | Ex                  | Ex     | Ex     | -     |
|                   | Diethylene glycolamine (DGA)<br>(2-(2-aminoethoxy) ethanol)                              | H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OH<br>(929-06-6)  | -             | Ex                  | Ex     | Ex     | -     |
|                   | N-Methyl diethanolamine (MDEA)   | CH <sub>3</sub> N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub><br>(105-59-9)   | -             | Ex                  | Ex     | Ex     | -     |
|                   | N-Methylethanolamine<br>(2-methylaminoethanol)   | CH <sub>3</sub> NHCH <sub>2</sub> CH <sub>2</sub> OH<br>(109-83-1)   | -             | Ex                  | Ex     | Ex     | -     |
|                   | Monoethanolamine (MEA)<br>(2-aminoethanol)   | H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> OH<br>(141-43-5)   | -             | Ex                  | Ex     | Ex     | -     |
|                   | Sulfinol solution<br>(50% diisopropanolamine, 25% tetramethylene<br>sulphone, 25% water) | N/A  | -             | Ex                  | Ex     | Ex     | -     |
|                   | Triethanolamine (TEA)<br>(2,2',2''-nitrilotriethanol)                                    | N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub><br>(102-71-6)   | -             | Ex                  | Ex     | Ex     | -     |
| Esters and Ethers | Butyl acetate<br>(butyl ethanoate)   | CH <sub>3</sub> C(O)OCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub><br>(123-86-4)   | -             | Ex                  | Ex     | Ex     | -     |
|                   | Dibutyl phthalate (DBP)<br>(phthalic acid dibutyl ester)                                 | C <sub>6</sub> H <sub>4</sub> (C(O)OCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub><br>(84-74-2)                                      | -             | Ex                  | Ex     | Ex     | -     |
|                   | Diethyl ether<br>(ether, ethoxyethane)   | CH <sub>3</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>3</sub><br>(60-29-7)  | -             | Ex                  | -      | -      | -     |
|                   | Diocetyl phthalate (DOP)<br>(bis(2-ethylhexyl) phthalate, DEHP)                          | C <sub>6</sub> H <sub>4</sub> (C(O)OCH <sub>2</sub> CH(CH <sub>2</sub> CH <sub>3</sub> )CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub><br>(117-81-7) | -             | Ex                  | Ex     | Ex     | -     |
|                   | Ethyl acetate<br>(ethyl ethanoate, acetic ester)   | CH <sub>3</sub> C(O)OCH <sub>2</sub> CH <sub>3</sub><br>(141-78-6)   | -             | Ex                  | Ex     | -      | -     |

|           |    |   |
|-----------|----|---|
| Excellent | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks<br><i>suitable for all applications including long term immersion</i>  |
| Good      | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks<br><i>suitable for short-term immersion and general chemical contact</i>   |
| Moderate  | M  | no significant deterioration / barrier properties retained for 1 - 12 weeks<br><i>suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment</i> |
| Poor      | P  | significant deterioration / loss of barrier properties after 1 week or less<br><i>not suitable for any application</i>  |
| *         |    | Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance  |
| Ex        |    | <b>Bold</b> text highlights real life data obtained via chemical resistance testing   |
| Ex        |    | Normal font indicates that the resistance has been predicted based upon partial test data and/or similar reagents   |

# CHEMICAL RESISTANCE OF BELZONA® 1593

FN10151



|       |  |   | Chemical Resistance |       |        |        |       |
|-------|--|---|---------------------|-------|--------|--------|-------|
|       | Chemical name<br>(Synonym)             | Chemical formula<br>(CAS number)  | Concentration       | 20 °C | 60 °C  | 90 °C  | Other |
|       |  |   |                     | 68 °F | 140 °F | 194 °F |       |
| Gases | Butane                                 | CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub><br>(106-97-8) | -                   | Ex    | Ex     | Ex     | -     |
|       | Carbon dioxide                         | CO <sub>2</sub><br>(124-38-9)   | -                   | Ex    | Ex     | Ex     | -     |
|       | Carbon monoxide                        | CO<br>(630-08-0)  | -                   | Ex    | Ex     | Ex     | -     |
|       | Chlorine (dry)                         | Cl <sub>2</sub><br>(7782-50-5)  | -                   | Ex    | Ex     | Ex     | -     |
|       | Ethane                                 | C <sub>2</sub> H <sub>6</sub><br>(74-84-0)                                    | -                   | Ex    | Ex     | Ex     | -     |
|       | Hydrogen                               | H <sub>2</sub><br>(1333-74-0)   | -                   | Ex    | Ex     | Ex     | -     |
|       | Hydrogen sulphide                      | H <sub>2</sub> S<br>(7783-06-4)   | -                   | Ex    | Ex     | Ex     | -     |
|       | Methane<br>(natural gas)               | CH <sub>4</sub><br>(74-82-8)  | -                   | Ex    | Ex     | Ex     | -     |
|       | Nitrogen                               | N <sub>2</sub><br>(7727-37-9)   | -                   | Ex    | Ex     | Ex     | -     |
|       | Nitrous oxide<br>(dinitrogen monoxide) | N <sub>2</sub> O<br>(10024-97-2)  | -                   | Ex    | Ex     | Ex     | -     |
|       | Ozone (dry)                            | O <sub>3</sub><br>(10028-15-6)  | -                   | Ex    | Ex     | Ex     | -     |
|       | Ozone (wet)                            | O <sub>3</sub><br>(10028-15-6)  | -                   | G*    | M      | M      | -     |

|           |    |   |
|-----------|----|---|
| Excellent | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks<br><i>suitable for all applications including long term immersion</i>  |
| Good      | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks<br><i>suitable for short-term immersion and general chemical contact</i>   |
| Moderate  | M  | no significant deterioration / barrier properties retained for 1 - 12 weeks<br><i>suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment</i> |
| Poor      | P  | significant deterioration / loss of barrier properties after 1 week or less<br><i>not suitable for any application</i>  |
| *         |    | Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance  |
| Ex        |    | <b>Bold</b> text highlights real life data obtained via chemical resistance testing   |
| Ex        |    | Normal font indicates that the resistance has been predicted based upon partial test data and/or similar reagents   |

# CHEMICAL RESISTANCE OF BELZONA® 1593

FN10151



|              |  |   |               | Chemical Resistance |                 |                 |       |
|--------------|--|---|---------------|---------------------|-----------------|-----------------|-------|
|              | Chemical name<br>(Synonym)                           | Chemical formula<br>(CAS number)  | Concentration | 20 °C<br>68 °F      | 60 °C<br>140 °F | 90 °C<br>194 °F | Other |
| Gases        | Sulphur dioxide                                      | SO <sub>2</sub><br>(7446-09-5)  | -             | Ex                  | Ex              | Ex              | -     |
|              | Sulphur trioxide<br>(sulphuric anhydride)            | SO <sub>3</sub><br>(7446-11-9)  | -             | Ex                  | Ex              | Ex              | -     |
| Halocarbons  | Chlorobenzene<br>(benzene chloride, phenyl chloride) | C <sub>6</sub> H <sub>5</sub> Cl<br>(108-90-7)  | -             | Ex                  | G               | M               | -     |
|              | Chloroform<br>(trichloromethane)                     | HCCL <sub>3</sub><br>(67-66-3)  | -             | Ex                  | -               | -               | -     |
|              | Dichloromethane (DCM)<br>(methylene chloride)        | CH <sub>2</sub> Cl <sub>2</sub><br>(75-09-2)  | -             | Ex*                 | -               | -               | -     |
| Hydrocarbons | Aviation fuel<br>(AVCAT, AVGAS, AVTAG, AVTUR)        | N/A   | -             | Ex                  | Ex              | Ex              | -     |
|              | Benzene<br>(benzol)                                  | C <sub>6</sub> H <sub>6</sub><br>(71-43-2)  | -             | Ex                  | Ex              | -               | -     |
|              | Crude Oil  | N/A   | -             | Ex                  | Ex              | Ex              | -     |
|              | Cyclohexane  | C <sub>6</sub> H <sub>12</sub><br>(110-82-7)  | -             | Ex                  | Ex              | -               | -     |
|              | Gasoline (without Ethanol)<br>(petrol)               | N/A<br>(8032-32-4)  | -             | Ex                  | Ex              | Ex              | -     |
|              | Heptane  | CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub><br>(142-82-7) | -             | Ex                  | Ex              | Ex              | -     |
|              | Hexane   | CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub><br>(110-54-3)                 | -             | Ex                  | Ex              | -               | -     |
|              | Iso-octane<br>(2,2,4-trimethylpentane)               | (CH <sub>3</sub> ) <sub>3</sub> CCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub><br>(540-84-1)                              | -             | Ex                  | Ex              | Ex              | -     |
|              | Kerosene   | N/A<br>(8008-20-6)  | -             | Ex                  | Ex              | Ex              | -     |

|           |    |   |
|-----------|----|---|
| Excellent | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks<br><i>suitable for all applications including long term immersion</i>  |
| Good      | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks<br><i>suitable for short-term immersion and general chemical contact</i>   |
| Moderate  | M  | no significant deterioration / barrier properties retained for 1 - 12 weeks<br><i>suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment</i> |
| Poor      | P  | significant deterioration / loss of barrier properties after 1 week or less<br><i>not suitable for any application</i>  |
| *         |    | Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance  |
| Ex        |    | <b>Bold text highlights real life data obtained via chemical resistance testing</b>   |
| Ex        |    | Normal font indicates that the resistance has been predicted based upon partial test data and/or similar reagents   |

# CHEMICAL RESISTANCE OF BELZONA® 1593

FN10151



|                        |   |  |               | Chemical Resistance |        |        |       |
|------------------------|---|--|---------------|---------------------|--------|--------|-------|
|                        | Chemical name<br>(Synonym)                            | Chemical formula<br>(CAS number)   | Concentration | 20 °C               | 60 °C  | 90 °C  | Other |
|                        |   |  |               | 68 °F               | 140 °F | 194 °F |       |
| Hydrocarbons continued | Mesitylene<br>(1,3,5-Trimethylbenzene)                | C <sub>6</sub> H <sub>3</sub> (CH <sub>3</sub> ) <sub>3</sub><br>(108-67-8)                            | -             | Ex                  | Ex     | Ex     | -     |
|                        | Mineral spirits / White spirits<br>(Stoddard solvent) | N/A<br>(8052-41-3)   | -             | Ex                  | Ex     | Ex     | -     |
|                        | Naphtha   | N/A<br>(8030-30-6)   | -             | Ex                  | Ex     | Ex     | -     |
|                        | Naphthalene<br>(naphthalin, white tar)                | C <sub>10</sub> H <sub>8</sub><br>(91-20-3)  | -             | Ex                  | Ex     | Ex     | -     |
|                        | Paraffin  | N/A<br>(8002-74-2)   | -             | Ex                  | Ex     | Ex     | -     |
|                        | Pentane   | CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub><br>(109-66-0)          | -             | Ex                  | -      | -      | -     |
|                        | Toluene<br>(methylbenzene, phenylmethane, toluol)     | C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub><br>(108-88-3)  | -             | Ex                  | Ex     | Ex     | -     |
|                        | Xylene<br>(dimethyl benzene, xylol)                   | C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub><br>(95-47-6/108-38-3/106-42-3/1330-20-7) | -             | Ex                  | Ex     | Ex     | -     |

|           |    |   |
|-----------|----|---|
| Excellent | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks<br><i>suitable for all applications including long term immersion</i>  |
| Good      | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks<br><i>suitable for short-term immersion and general chemical contact</i>   |
| Moderate  | M  | no significant deterioration / barrier properties retained for 1 - 12 weeks<br><i>suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment</i> |
| Poor      | P  | significant deterioration / loss of barrier properties after 1 week or less<br><i>not suitable for any application</i>  |
| *         |    | Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance  |
| Ex        |    | <b>Bold</b> text highlights real life data obtained via chemical resistance testing   |
| Ex        |    | Normal font indicates that the resistance has been predicted based upon partial test data and/or similar reagents   |

The technical data contained herein is based on the results of long term tests carried out in our laboratories and to the best of our knowledge is true and accurate on the date of publication. It is however, subject to change without prior notice and the user should contact Belzona to verify the technical data is correct before specifying or ordering. No guarantee of accuracy is given or implied. We assume no responsibility for rates of coverage, performance or injury resulting from use. Liability, if any, is limited to the replacement of products. No other warranty or guarantee of any kind is made by Belzona, express or implied, whether statutory, by operation of law or otherwise, including merchantability or fitness for a particular purpose. Nothing in the foregoing statement shall exclude or limit any liability of Belzona to the extent such liability cannot by law be excluded or limited.