

|                 |                            | Chemical Resistance                           |               |                |                 |                 | :     |
|-----------------|----------------------------|---|---------------|----------------|-----------------|-----------------|-------|
|                 | Chemical name<br>(Synonym) | Chemical formula (CAS number)                 | Concentration | 20 °C<br>68 °F | 60 °C<br>140 °F | 90 °C<br>194 °F | Other |
|                 |                            |   | 20%           | M*             | Р               | Р               | -     |
|                 |                            | HCI   | 10%           | G*             | M               | Р               | -     |
|                 | Hydrochloric acid          | Tici  | 5%            | Ex*            | G               | G               | -     |
|                 |                            | (7647-01-0)                                   | 3%            | Ex*            | Ex              | G               | -     |
| sp              | Nitric acid                | HNO <sub>3</sub> (7697-37-2)                  | 10%           | G*             | М               | Р               | -     |
| Inorganic Acids | Nitrous acid               | HNO <sub>2</sub> (7782-77-6)                  | 10%           | G*             | М               | Р               | -     |
| lno             | Phosphoric acid            | H <sub>3</sub> PO <sub>4</sub>                | 10%           | G*             | М               | Р               |       |
|                 | (orthophosphoric acid)     | (7664-38-2)                                   | 5%            | Ex*            | G               | М               | -     |
|                 |                            | H <sub>2</sub> SO <sub>4</sub><br>(7664-93-9) | 20%           | M*             | М               | Р               | -     |
|                 | Sulphuric acid             |   | 10%           | G*             | G               | М               | -     |
|                 |                            |   | 5%            | Ex*            | Ex              | G               | -     |
|                 |                            |   | 3%            | Ex*            | Ex              | Ex              | -     |
|                 |                            |   | 10%           | M*             | Р               | Р               | -     |
|                 | Acetic acid                | CH₃COOH                                       | 5%            | M*             | M               | Р               | -     |
| ids             | (ethanoic acid)            | (64-19-7)                                     | 1%            | M*             | M               | M               | -     |
| ic Ac           |                            |   | 0.1%          | Ex*            | Ex              | Ex              | -     |
| Organic Acids   | Carbonic acid              | H <sub>2</sub> CO <sub>3</sub> (463-79-6)     | -             | Ex*            | Ex              | Ex              | -     |
|                 | Phenol<br>(hydroxybenzene) | C <sub>6</sub> H <sub>5</sub> OH (108-95-2)   | 80%           | M*             | Р               | Р               | -     |

| Excellent  | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks                              |  |  |
|--|----|---|--|--|
|  |    | suitable for all applications including long term immersion   |  |  |
| Good   | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks                                      |  |  |
| Good   | d  | suitable for short-term immersion and general chemical contact  |  |  |
| Moderate  M  no significant deterioration / barrier properties retained for 1 - 12 weeks suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment |    | no significant deterioration / barrier properties retained for 1 - 12 weeks                                       |  |  |
|  |    | suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment |  |  |
| Door   | D  | significant deterioration / loss of barrier properties after 1 week or less                                       |  |  |
| Poor   | P  | not suitable for any application  |  |  |
| *  |    | Product must be post cured to deliver quoted chemical resistance  |  |  |
|  |    |   |  |  |
| Ex   |    | Bold 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 |  |  |
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|                                 |   |   |               |                | Chemical Resistance |                     |                     |  |  |
|---------------------------------|---|---|---------------|----------------|---------------------|---------------------|---------------------|--|--|
|                                 | Chemical name<br>(Synonym)                                    | Chemical formula (CAS number)                                     | Concentration | 20 °C<br>68 °F | 60 °C<br>140 °F     | 90 °C<br>194 °F     | Other               |  |  |
|                                 | Acetone<br>(propanone)  | (CH <sub>3</sub> ) <sub>2</sub> CO (67-64-1)                      | -             | Ex*            | -                   | 1                   | 55°C<br>131°F<br>G* |  |  |
|                                 | Amyl alcohol  | C <sub>5</sub> H <sub>11</sub> OH (71-41-0)                       | -             | Ex*            | Ex                  | Ex                  | -                   |  |  |
|                                 | n-Butanol<br>(butyl alcohol)                                  | C <sub>4</sub> H <sub>9</sub> OH (71-36-3)                        | -             | Ex*            | Ex                  | Ex                  | -                   |  |  |
| ıes                             | Ethanol<br>(ethyl alcohol)                                    | CH <sub>3</sub> CH <sub>2</sub> OH (64-17-5)                      | -             | Ex*            | Ex                  | -                   | -                   |  |  |
| Alcohols, Aldehydes and Ketones | Ethylene glycol<br>(ethan-1,2-diol, monoethylene glycol, MEG) | (CH <sub>2</sub> OH) <sub>2</sub>                                 | -             | Ex*            | Ex                  | Ex                  | -                   |  |  |
| dehydes                         | Glycerol (glycerine, propane-1,2,3-triol)                     | HOCH <sub>2</sub> CH(OH)CH <sub>2</sub> OH (56-81-5)              | -             | Ex*            | Ex                  | Ex                  | -                   |  |  |
| cohols, Al                      | n-Hexanol<br>(hexyl alcohol)                                  | C <sub>6</sub> H <sub>13</sub> OH (111-27-3)                      | -             | Ex*            | Ex                  | Ex                  | -                   |  |  |
| A                               | Higher alcohols   | $C_nH_{(2n+1)}OH$ where $n > 2$                                   | -             | Ex*            | Ex                  | Ex                  | -                   |  |  |
|                                 | Isopropyl alcohol (IPA)<br>(isopropanol, propan-2-ol)         | CH <sub>3</sub> CH(OH)CH <sub>3</sub> (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)                                  | CH₃OH<br>(67-56-1)  | -             | Ex*            | Ex                  | -                   | -                   |  |  |
|                                 | Methanol solution (aqueous)                                   | 55%   | Ex*           | Ex             | -                   | 79°C<br>174°F<br>Ex |                     |  |  |
|                                 | Methyl ethyl ketone (MEK) (2-butanone, methyl acetone)        | CH <sub>3</sub> C(O)CH <sub>2</sub> CH <sub>3</sub> (78-93-3)     | -             | Ex*            | G                   | -                   | -                   |  |  |

| Excellent  | Ex  | no significant deterioration / barrier properties retained for greater than 52 weeks                              |  |  |
|--|-----|---|--|--|
| Excellent  | EX  | suitable for all applications including long term immersion   |  |  |
| Good   | G   | no significant deterioration / barrier properties retained for 12 - 52 weeks                                      |  |  |
| Good   | G   | suitable for short-term immersion and general chemical contact  |  |  |
| Madarata   | D.4 | no significant deterioration / barrier properties retained for 1 - 12 weeks                                       |  |  |
| Moderate M suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment |     | suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment |  |  |
| Poor   | D   | significant deterioration / loss of barrier properties after 1 week or less                                       |  |  |
| Poor   | P   | not suitable for any application  |  |  |
| *  |     | Product must be post cured to deliver quoted chemical resistance  |  |  |
|  |     | ·   |  |  |
| Ex   |     | Bold text highlights real life data obtained via chemical resistance testing                                      |  |  |
| _  |     |   |  |  |
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|                                 |   |  |               | (     | Chemical Resistance |        |                                       |  |
|---------------------------------|---|--|---------------|-------|---------------------|--------|---------------------------------------|--|
|                                 | Chemical name                             | Chemical formula   | Concentration | 20 °C | 60 °C               | 90 °C  | Other                                 |  |
|                                 | (Synonym)                                 | (CAS number)   | Concentration | 68 °F | 140 °F              | 194 °F | • • • • • • • • • • • • • • • • • • • |  |
|                                 | Propan-1-ol<br>(Propyl alcohol)           | CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH (71-23-8)   | -             | Ex*   | Ex                  | Ex     | -                                     |  |
| (etones                         | Propylene glycol<br>(1,2-Propanediol)     | CH <sub>3</sub> CH(OH)CH <sub>2</sub> OH<br>(57-55-6)  | -             | Ex*   | Ex                  | Ex     | -                                     |  |
| Alcohols, Aldehydes and Ketones | Secondary alcohols                        | R <sub>1</sub> R₂CHOH  | -             | Ex*   | Ex                  | Ex     | -                                     |  |
| s, Aldehy                       | Tertiary alcohols                         | R₁R₂R₃COH  | -             | Ex*   | Ex                  | Ex     | 1                                     |  |
| Alcohol                         | 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 (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 (112-60-7) | -             | Ex*   | Ex                  | Ex     | -                                     |  |
|                                 | Barium hydroxide                          | Ba(OH) <sub>2</sub>  | -             | Ex*   | Ex                  | Ex     | -                                     |  |
|                                 | Calcium hydroxide<br>(lime water)         | Ca(OH) <sub>2</sub> (1305-62-0)  | -             | Ex*   | Ex                  | Ex     | -                                     |  |
| Alkalis / Bases                 | Magnesium hydroxide<br>(milk of magnesia) | Mg(OH) <sub>2</sub> (1309-42-8)  | -             | Ex*   | Ex                  | Ex     | -                                     |  |
| is / I                          |   |  | 40%           | Ex*   | Ex                  | Ex     | -                                     |  |
| ٩lkal                           | Potassium hydroxide<br>(caustic potash)   | КОН  | 20%           | Ex*   | Ex                  | Ex     | -                                     |  |
|                                 | (533555 p.5355.)                          | (1310-58-3)  | 10%           | Ex*   | Ex                  | Ex     | -                                     |  |
|                                 |   |  | 50%           | Ex*   | Ex                  | Ex     | -                                     |  |
|                                 | Sodium hydroxide                          | NaOU   | 40%           | Ex*   | Ex                  | Ex     | -                                     |  |
|                                 | (caustic soda)                            | NaOH   | 20%           | Ex*   | Ex                  | Ex     | -                                     |  |
|                                 |   | (1310-73-2)  | 10%           | Ex*   | Ex                  | Ex     | -                                     |  |

| Excellent  | Ex  | no significant deterioration / barrier properties retained for greater than 52 weeks                              |  |  |
|--|-----|---|--|--|
| Excellent  | EX  | suitable for all applications including long term immersion   |  |  |
| Good   | G   | no significant deterioration / barrier properties retained for 12 - 52 weeks                                      |  |  |
| Good   | G   | suitable for short-term immersion and general chemical contact  |  |  |
| Madarata   | D.4 | no significant deterioration / barrier properties retained for 1 - 12 weeks                                       |  |  |
| Moderate M suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment |     | suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment |  |  |
| Poor   | D   | significant deterioration / loss of barrier properties after 1 week or less                                       |  |  |
| Poor   | P   | not suitable for any application  |  |  |
| *  |     | Product must be post cured to deliver quoted chemical resistance  |  |  |
|  |     | ·   |  |  |
| Ex   |     | Bold text highlights real life data obtained via chemical resistance testing                                      |  |  |
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|                   |  |  |               |                |                 | Chemical Resistance |       |  |  |  |
|-------------------|--|--|---------------|----------------|-----------------|---------------------|-------|--|--|--|
|                   | Chemical name<br>(Synonym)   | Chemical formula (CAS number)  | Concentration | 20 °C<br>68 °F | 60 °C<br>140 °F | 90 °C<br>194 °F     | Other |  |  |  |
|                   | Diethanolamine (DEA)<br>(2,2'-iminodiethanol)  | HN(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub> (111-42-2)   | -             | Ex*            | Ex              | Ex                  | -     |  |  |  |
|                   | Diethylene glycolamine (DGA) (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 (929-06-6)                               | -             | Ex*            | G               | M                   | -     |  |  |  |
| es                | N-Methyl diethanolamine (MDEA)   | CH <sub>3</sub> N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub> (105-59-9)  | -             | Ex*            | Ex              | Ex                  | -     |  |  |  |
| Amines & Amides   | N-Methylethanolamine<br>(2-methylaminoethanol)   | CH <sub>3</sub> NHCH <sub>2</sub> CH <sub>2</sub> OH (109-83-1)  | -             | Ex*            | Ex              | Ex                  | -     |  |  |  |
| Amine             | Monoethanolamine (MEA)<br>(2-aminoethanol)   | H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> OH (141-43-5)  | -             | Ex*            | Ex              | Ex                  | -     |  |  |  |
|                   | Sulfinol solution<br>(50% diisopropanolamine, 25% tetramethylene<br>sulphone, 25% water) | N/A  | -             | Ex*            | Ex              | Ex                  | -     |  |  |  |
|                   | Triethanolamine (TEA) (2,2',2"-nitrilotriethanol)  | N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub> (102-71-6)  | -             | Ex*            | Ex              | Ex                  | -     |  |  |  |
|                   | 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> (123-86-4)                              | -             | Ex*            | Ex              | Ex                  | -     |  |  |  |
| hers              | 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> (84-74-2) | -             | Ex*            | Ex              | Ex                  | -     |  |  |  |
| Esters and Ethers | Diethyl ether<br>(ether, ethoxyethane)   | CH <sub>3</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>3</sub> (60-29-7)   | -             | Ex*            | -               | -                   | -     |  |  |  |
| Este              | Dioctyl phthalate (DOP)<br>(bis(2-ethylhexyl) phthalate, DEHP)                           | $C_6H_4(C(O)OCH_2CH(CH_2CH_3)CH_2CH_2CH_2CH_3)_2 \\$ $(117-81-7)$  | -             | Ex*            | Ex              | Ex                  | -     |  |  |  |
|                   | Ethyl acetate<br>(ethyl ethanoate, acetic ester)   | CH <sub>3</sub> C(O)OCH <sub>2</sub> CH <sub>3</sub> (141-78-6)  | -             | Ex*            | Ex              | -                   | -     |  |  |  |

|  |   | as similificant detailmention / howing assessment or setting of the proceeding them F2                            |  |  |  |  |
|--|---|---|--|--|--|--|
| Excellent  Ex no significant deterioration / barrier properties retained for greater than 52 weeks suitable for all applications including long term immersion  no significant deterioration / barrier properties retained for 12 - 52 weeks |   |   |  |  |  |  |
|  |   | , , ,   |  |  |  |  |
| Good   G   S   |   | suitable for short-term immersion and general chemical contact  |  |  |  |  |
|  |   | no significant deterioration / barrier properties retained for 1 - 12 weeks                                       |  |  |  |  |
| Moderate M suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment   |   |   |  |  |  |  |
| Poor   | D | significant deterioration / loss of barrier properties after 1 week or less                                       |  |  |  |  |
| Poor   | P | not suitable for any application  |  |  |  |  |
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|       |  |  |               | Chemical Resistance |                 |                 |       |  |
|-------|--|--|---------------|---------------------|-----------------|-----------------|-------|--|
|       | Chemical name<br>(Synonym)                 | Chemical formula (CAS number)  | Concentration | 20 °C<br>68 °F      | 60 °C<br>140 °F | 90 °C<br>194 °F | Other |  |
|       | Butane                                     | CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> (106-97-8) | -             | Ex                  | Ex              | Ex              | -     |  |
|       | Carbon dioxide                             | CO <sub>2</sub> (124-38-9)   | -             | Ex                  | Ex              | Ex              | -     |  |
|       | Carbon monoxide                            | CO (630-08-0)  | -             | Ex                  | Ex              | Ex              | -     |  |
|       | Chlorine (dry)                             | Cl <sub>2</sub> (7782-50-5)  | -             | Ex                  | Ex              | Ex              | -     |  |
|       | Ethane                                     | C <sub>2</sub> H <sub>6</sub> (74-84-0)                                    | -             | Ex                  | Ex              | Ex              | -     |  |
| Gases | Hydrogen                                   | H <sub>2</sub> (1333-74-0)   | -             | Ex                  | Ex              | Ex              | -     |  |
| Ga    | Hydrogen sulphide                          | H <sub>2</sub> S (7783-06-4)   | -             | Ex                  | Ex              | Ex              | -     |  |
|       | Methane<br>(natural gas)                   | CH <sub>4</sub> (74-82-8)  | -             | Ex                  | Ex              | Ex              | -     |  |
|       | Nitrogen                                   | N <sub>2</sub> (7727-37-9)   | -             | Ex                  | Ex              | Ex              | -     |  |
|       | Nitrous oxide $N_2O$ (dinitrogen monoxide) |  | -             | Ex                  | Ex              | Ex              | -     |  |
|       | Ozone (dry)                                | O <sub>3</sub> (10028-15-6)  | -             | Ex                  | Ex              | Ex              | -     |  |
|       | Ozone (wet)                                | O <sub>3</sub> (10028-15-6)  | -             | G*                  | M               | M               | -     |  |

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|--|----|---|--|--|
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|              |  |  |               |                | Chemical Resistance |                 |       |  |  |  |
|--------------|--|--|---------------|----------------|---------------------|-----------------|-------|--|--|--|
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| es           | Sulphur dioxide                                      | SO <sub>2</sub> (7446-09-5)  | -             | Ex             | Ex                  | Ex              | -     |  |  |  |
| Gases        | Sulphur trioxide<br>(sulphuric anhydride)            | SO <sub>3</sub> (7446-11-9)  | -             | Ex             | Ex                  | Ex              | -     |  |  |  |
| SI           | Chlorobenzene<br>(benzene chloride, phenyl chloride) | C <sub>6</sub> H <sub>5</sub> Cl (108-90-7)  | -             | Ex*            | G                   | М               | -     |  |  |  |
| Halocarbons  | Chloroform<br>(trichloromethane)                     | HCCl <sub>3</sub> (67-66-3)  | -             | Ex*            | -                   | -               | -     |  |  |  |
| I            | Dichloromethane (DCM)<br>(methylene chloride)        | CH <sub>2</sub> Cl <sub>2</sub> (75-09-2)  | -             | Ex*            | -                   | -               | -     |  |  |  |
|              | Aviation fuel<br>(AVCAT, AVGAS, AVTAG, AVTUR)        | -  | Ex*           | Ex             | Ex                  | -               |       |  |  |  |
|              | Benzene<br>(benzol)                                  | C <sub>6</sub> H <sub>6</sub> (71-43-2)  | -             | Ex*            | Ex                  | -               | -     |  |  |  |
|              | Cyclohexane  | C <sub>6</sub> H <sub>12</sub> (110-82-7)  | -             | Ex*            | Ex                  | -               | -     |  |  |  |
| Hydrocarbons | Gasoline (without Ethanol)<br>(petrol)               | N/A<br>(8032-32-4)   | -             | Ex*            | Ex                  | Ex              | -     |  |  |  |
| Hydroc       | Heptane  | CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> (142-82-7) | -             | Ex*            | Ex                  | Ex              | -     |  |  |  |
|              | Hexane   | -  | Ex*           | Ex             | -                   | -               |       |  |  |  |
|              | lso-octane<br>(2,2,4-trimethylpentane)               |  |               |                |                     |                 | -     |  |  |  |
|              | Kerosene   | N/A<br>(8008-20-6)   | -             | Ex*            | Ex                  | Ex              | -     |  |  |  |

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|---------------|--|--|---------------|----------------|---------------------|-----------------|----------------------|--|--|
|               | Chemical name<br>(Synonym)   | Chemical formula (CAS number)  | Concentration | 20 °C<br>68 °F | 60 °C<br>140 °F     | 90 °C<br>194 °F | Other                |  |  |
|               | Mesitylene<br>(1,3,5-Trimethylbenzene )  | C <sub>6</sub> H <sub>3</sub> (CH <sub>3</sub> ) <sub>3</sub> (108-67-8)                               | -             | Ex*            | Ex                  | Ex              | ı                    |  |  |
|               | Mineral spirits / White spirits (Stoddard solvent)   | N/A<br>(8052-41-3)   | -             | Ex*            | Ex                  | Ex              | -                    |  |  |
|               | Naphtha  | N/A<br>(8030-30-6)   | -             | Ex*            | Ex                  | Ex              | -                    |  |  |
| Hydrocarbons  | Naphthalene<br>(naphthalin, white tar)   | C <sub>10</sub> H <sub>8</sub> (91-20-3)   | -             | Ex*            | Ex                  | Ex              | -                    |  |  |
| Hydroc        | Paraffin   | N/A<br>(8002-74-2)   | -             | Ex*            | Ex                  | Ex              | ı                    |  |  |
|               | Pentane CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> - (109-66-0) |  |               |                | -                   | -               | -                    |  |  |
|               | Toluene<br>(methylbenzene, phenylmethane, toluol)  | C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> (108-88-3)   | -             | Ex*            | Ex                  | Ех              | -                    |  |  |
|               | 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              | -                    |  |  |
|               | Water  | H <sub>2</sub> O (7732-18-5)   | -             | Ex*            | Ex                  | Ex              | 110°C<br>230°F<br>Ex |  |  |
| snı           | Nalco DVE4D002<br>Corrosion Inhibitor  | N/A  | -             | Ex*            | G                   | -               | -                    |  |  |
| Miscellaneous | Nalco DVE4D006<br>Corrosion Inhibitor  |  | -             | Ex*            | G                   | -               | -                    |  |  |
|               | Nalco EC1317A Corrosion inhibitor N/A  |  | -             | Ex*            | Ex                  | -               | -                    |  |  |
|               | Nalco EC6303A<br>Oxygen Scavenger  | N/A  | -             | Ex*            | Ex                  | -               | -                    |  |  |

| Excellent | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks                              |  |  |
|-----------|----|---|--|--|
| Excellent | EX | suitable for all applications including long term immersion   |  |  |
| Good      | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks                                      |  |  |
| Good      |    | suitable for short-term immersion and general chemical contact  |  |  |
| Moderate  | М  | no significant deterioration / barrier properties retained for 1 - 12 weeks                                       |  |  |
| Moderate  |    | suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment |  |  |
| Poor      | Р  | significant deterioration / loss of barrier properties after 1 week or less                                       |  |  |
| Poor      |    | not suitable for any application  |  |  |
| *         |    | Product must be post cured to deliver quoted chemical resistance  |  |  |
|           |    | ·   |  |  |
| Ex        |    | Bold 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 F      | Resistance      | )                    |
|---------------|--|-------------------------------|---------------|----------------|-----------------|-----------------|----------------------|
|               | Chemical name<br>(Synonym)                           | Chemical formula (CAS number) | Concentration | 20 °C<br>68 °F | 60 °C<br>140 °F | 90 °C<br>194 °F | Other                |
|               | Nalco EC6481A<br>Hydrate Inhibitor                   | N/A                           | -             | Ex*            | Ex              | -               | -                    |
|               | Nalco EC6622A<br>Low Dosage Hydrate Inhibitor (LDHI) | N/A                           | -             | Ex*            | Ex              | -               | -                    |
| Miscellaneous | Nalco EC9356A<br>Hydrogen Sulphide Scavenger         | N/A                           | -             | Ex*            | Ex              | -               | -                    |
|               | Nalco O3VD123<br>Corrosion Inhibitor                 | N/A                           | -             | Ex*            | G               | -               | -                    |
|               | Nalco Ultimer 7751<br>Flocculant Water Treatment     | N/A                           | -             | Ex*            | Ex              | -               | -                    |
|               | Sour oil / Brine mix                                 | N/A                           | -             | Ex*            | Ex              | Ex              | 110°C<br>230°F<br>Ex |

| Excellent  | Ex | no significant deterioration / barrier properties retained for greater than 52 weeks                              |  |  |
|------------|----|---|--|--|
| LACEHEIIC  | 1  | suitable for all applications including long term immersion   |  |  |
| Good       | G  | no significant deterioration / barrier properties retained for 12 - 52 weeks                                      |  |  |
| Good       | G  | suitable for short-term immersion and general chemical contact  |  |  |
| Moderate   | М  | no significant deterioration / barrier properties retained for 1 - 12 weeks                                       |  |  |
| ivioderate |    | suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment |  |  |
| Door       | Р  | significant deterioration / loss of barrier properties after 1 week or less                                       |  |  |
| Poor       |    | not suitable for any application  |  |  |
| *          |    | Product must be post cured to deliver quoted chemical resistance  |  |  |
|            |    | 1   |  |  |
| 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 |  |  |
| =^         |    | purpurus teat and any or animal reagainst   |  |  |

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.