



## MAKFIRE FR

Makrete Pty Ltd  
Version No: 1.10

Issue Date: OCT 2022

## SECTION 1 MATERIAL AND SUPPLY COMPANY IDENTIFICATION

### Product Identifier

|              |            |
|--------------|------------|
| Product Name | MAKFIRE FR |
|--------------|------------|

### Relevant identified uses of the substance or mixture and uses advised against

|                          |                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------|
| Relevant Identified uses | Fire resisting sealant for control joints in building masonry and precast panels. |
|--------------------------|-----------------------------------------------------------------------------------|

### Details of the supplier of the safety data sheet

|                         |                                                                |
|-------------------------|----------------------------------------------------------------|
| Registered Company Name | Makrete Pty Ltd                                                |
| Address                 | Suite 2A, 20 Arthur Street, Eltham                             |
| Telephone               | 1300 911 161                                                   |
| Website                 | <a href="http://www.makrete.com.au">www.makrete.com.au</a>     |
| Email                   | <a href="mailto:admin@makrete.com.au">admin@makrete.com.au</a> |

### Emergency telephone number

|                                   |                |
|-----------------------------------|----------------|
| Emergency Telephone Numbers       | Not Applicable |
| Other emergency telephone numbers | Not Applicable |

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

**NON-HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS.** According to the WHS Regulations and the ADG Code

|                               |                                      |
|-------------------------------|--------------------------------------|
| Poisons Schedule              | Not a hazardous substance or mixture |
| Classification <sup>[1]</sup> | Not a hazardous substance or mixture |

### Label elements

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| Hazard pictogram(s) | Not Applicable<br>Not a hazardous substance or mixture |
|---------------------|--------------------------------------------------------|

|             |                |
|-------------|----------------|
| SIGNAL WORD | Not Applicable |
|-------------|----------------|

Hazard statement(s) – Not Applicable

Precautionary statement(s) Prevention – Not Applicable

Precautionary statement(s) Response – Not Applicable

Precautionary statement(s) Storage – Not Applicable

Precautionary statement(s) Disposal – Not Applicable

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Substances

See section below for composition of Mixtures

### Mixtures

| CAS No        | %[weight] | Name            |
|---------------|-----------|-----------------|
| Not Available | 30-60     | Mineral Fillers |
| Not Available | 10-30     | Acrylic Polymer |
| Not Available | 1-10      | Plasticiser     |
| Not Available | 1-10      | Additives       |
| 7732-18-5     | 10-30     | Water           |

## SECTION 4 FIRST AID MEASURES

### Description of first aid measures

|                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>                                                 | <b>If this product comes in contact with the eyes:</b> <ul style="list-style-type: none"><li>Wash out immediately with fresh running water.</li><li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li><li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li><li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li></ul>                              |
| <b>Skin Contact</b>                                                | <b>If skin contact occurs:</b> <ul style="list-style-type: none"><li>Immediately remove all contaminated clothing, including footwear.</li><li>Flush skin and hair with running water (and soap if available).</li><li>Seek medical attention in event of irritation.</li></ul>                                                                                                                                                                                                                                                                             |
| <b>Inhalation</b>                                                  | <b>If fumes or combustion products are inhaled remove from contaminated area.</b> <ul style="list-style-type: none"><li>Other measures are usually unnecessary.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Ingestion</b>                                                   | <b>If swallowed do NOT induce vomiting.</b> <ul style="list-style-type: none"><li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li><li>Observe the patient carefully.</li><li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li><li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li><li>Seek medical advice.</li></ul> |
| <b>Most important symptoms and effects, both acute and delayed</b> | <b>None known</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## SECTION 5 FIREFIGHTING MEASURES

### Extinguishing media

There is no restriction on the type of extinguisher which may be used.

### Special hazards arising from the substrate or mixture

|                             |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| <b>Fire Incompatibility</b> | Avoid contamination with strong oxidising agents as ignition may result. |
|-----------------------------|--------------------------------------------------------------------------|

### Advice for firefighters

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fire Fighting</b>         | <ul style="list-style-type: none"> <li>Alert Fire Brigade and tell them location and nature of hazard</li> <li>Wear breathing apparatus plus protective gloves in the event of a fire.</li> <li>Prevent by any means available, spillage from entering drains or water courses.</li> <li>Use firefighting procedures for surrounding area.</li> <li><b>DO NOT</b> approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> </ul> |
| <b>Fire/Explosion Hazard</b> | <ul style="list-style-type: none"> <li>Non-combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> </ul> <p>Decomposes on heating may produce Carbon Monoxide (CO) and Carbon Dioxide (CO<sub>2</sub>)</p>                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>HAZCHEM</b>               | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment, and emergency procedures

See section 8

### Environmental precautions

See section 12

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Minor Spills</b> | <ul style="list-style-type: none"> <li>Clean up all spills immediately. Avoid contact with skin and eyes.</li> <li>Wear impervious gloves and safety goggles.</li> <li>Trowel up/scrape up.</li> <li>Place spilled material in clean, dry, sealed container.</li> <li>Flush spill area with water.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Major Spills</b> | <ul style="list-style-type: none"> <li>Clear area of personnel.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Control personal contact with the substance, by using protective equipment as required.</li> <li>Prevent spillage from entering drains or water ways.</li> <li>Contain spill with sand, earth or vermiculite.</li> <li>Collect recoverable product into labelled containers for recycling.</li> <li>Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.</li> <li>Wash area and prevent runoff into drains or waterways.</li> <li>If contamination of drains or waterways occurs, advise emergency services.</li> </ul> |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

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## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Safe handling</b>     | <ul style="list-style-type: none"><li>• Limit all unnecessary personal contact.</li><li>• Wear protective clothing when risk of exposure occurs.</li><li>• Use in a well-ventilated area.</li><li>• When handling DO NOT eat, drink or smoke.</li><li>• Always wash hands with soap and water handling.</li><li>• Avoid physical damage to containers.</li><li>• Use good occupational work practice.</li><li>• Observe manufacturer's storage and handling recommendations contained within this SDS.</li></ul> |
| <b>Other information</b> | <ul style="list-style-type: none"><li>• Store in original containers.</li><li>• Keep containers securely sealed.</li><li>• Store in a cool, dry, well-ventilated area.</li><li>• DO NOT allow to freeze</li><li>• Store away from incompatible materials.</li><li>• Protect containers against physical damage and check regularly for leaks.</li><li>• Observe manufacturer's storage and handling recommendations contained within this SDS.</li></ul>                                                         |

### Conditions for safe storage, including any incompatibilities

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable container</b>      | <ul style="list-style-type: none"><li>• Plastic cartridge.</li><li>• Plastic container.</li><li>• Packaging as recommended by Manufacturer.</li></ul> |
| <b>Storage incompatibility</b> | <ul style="list-style-type: none"><li>• None Known</li><li>• Store above 4°C</li></ul>                                                                |

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## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION


### OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA – Not Available

### EMERGENCY LIMITS

| Ingredient      | Original IDLH | Revised IDLH  |
|-----------------|---------------|---------------|
| Acrylic Polymer | Not Available | Not Available |
| Water           | Not Available | Not Available |

## Exposure controls

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appropriate engineering controls</b> | <ul style="list-style-type: none"> <li>• None required when handling small quantities.</li> <li>• Use in a well-ventilated area.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Personal protection</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Eye and face protection</b>          | <ul style="list-style-type: none"> <li>• Safety glasses with side shields, or as required.</li> <li>• Chemical goggles.</li> <li>• Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> </ul> |
| <b>Skin protection</b>                  | See Hand protection below (gloves)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Hands/feet protection</b>            | <ul style="list-style-type: none"> <li>• Barrier cream with polyethylene gloves.</li> <li>• Wear general protective gloves, e.g., light weight rubber gloves.</li> <li>• PVC gloves.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Body protection</b>                  | No special protective clothing required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Other protection</b>                 | <ul style="list-style-type: none"> <li>• Overalls.</li> <li>• Eyewash unit.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Recommended material(s)

### GLOVE SELECTION

| Material       |                                             |
|----------------|---------------------------------------------|
| BUTYL          | Best Selection                              |
| NEOPRENE       | Best Selection                              |
| VITON          | Best Selection                              |
| NATURAL RUBBER | Poor choice other than short term immersion |
| PVA            | Poor choice other than short term immersion |

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                                     |                                                                                                                  |                                               |                     |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|
| <b>Appearance</b>                                   | Smooth thick white or grey paste with acrylic odour: mixes with water. The cured material is insoluble in water. |                                               |                     |
| <b>Physical state</b>                               | Non-slump paste                                                                                                  | <b>Relative density (Water = 1)</b>           | 1.55                |
| <b>Odour</b>                                        | Not Available                                                                                                    | <b>Partition coefficient n-octanol /water</b> | Not Available       |
| <b>Odour Threshold</b>                              | Not Available                                                                                                    | <b>Auto-ignition temperature (°C)</b>         | Not Applicable      |
| <b>pH (as supplied)</b>                             | 7-9                                                                                                              | <b>Decomposition temperature</b>              | Not Available       |
| <b>Melting point / freezing point (°C)</b>          | Not Available                                                                                                    | <b>Viscosity (cSt)</b>                        | Not Available       |
| <b>Initial boiling point and boiling range (°C)</b> | Not Available                                                                                                    | <b>Molecular weight (g/mol)</b>               | Not Applicable      |
| <b>Flash point (°C)</b>                             | Not Applicable                                                                                                   | <b>Taste</b>                                  | Not Available       |
| <b>Evaporation rate</b>                             | Not Available                                                                                                    | <b>Explosive properties</b>                   | Not Available       |
| <b>Flammability</b>                                 | Not Classified as Flammable                                                                                      | <b>Oxidising properties</b>                   | Not Available       |
| <b>Upper Explosive Limit (%)</b>                    | Not Applicable                                                                                                   | <b>Surface Tension (dyn/cm or mN/m)</b>       | Not Available       |
| <b>Lower Explosive Limit (%)</b>                    | Not Applicable                                                                                                   | <b>Volatile Component (%vol)</b>              | Not Available       |
| <b>Vapour pressure (kPa)</b>                        | Not Available                                                                                                    | <b>Gas group</b>                              | Not Available       |
| <b>Solubility in water (g/L)</b>                    | Miscible                                                                                                         | <b>pH as a solution (1%)</b>                  | Not Available       |
| <b>Vapour density (Air = 1)</b>                     | Not Available                                                                                                    | <b>VOC g/L<br/>Volatile Organic Compounds</b> | 30<br>Method SCAQMD |

## SECTION 10 STABILITY AND REACTIVITY

|                                           |                                                                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | See Section 7                                                                                                                 |
| <b>Chemical stability</b>                 | Unstable in the presence of incompatible materials<br>Product is considered stable<br>Hazardous polymerisation will not occur |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerisation will not occur                                                                                       |
| <b>Conditions to avoid</b>                | See Section 7                                                                                                                 |
| <b>Incompatible materials</b>             | See Section 7                                                                                                                 |
| <b>Hazardous decomposition products</b>   | Stable under normal conditions                                                                                                |

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

|                         |                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhaled</b>          | Not normally a hazard due to non-volatile nature of the product.                                                                                                                                                                                                 |
| <b>Ingestion</b>        | Considered an unlikely route of entry in commercial/industrial environments. Ingestion may result in nausea, abdominal irritation, pain and vomiting if swallowed in large quantity.                                                                             |
| <b>Skin Contact</b>     | This material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.                                                                  |
| <b>Eye</b>              | Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may cause transient discomfort characterised by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result. |
| <b>Chronic Toxicity</b> | As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in workplace atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.                                          |

|                        |                                                     |                                    |
|------------------------|-----------------------------------------------------|------------------------------------|
| <b>Makfire FR</b>      | <b>TOXICITY</b><br>Not Available                    | <b>IRRITATION</b><br>Not Available |
| <b>Acrylic polymer</b> | <b>TOXICITY</b><br>Not Available                    | <b>IRRITATION</b><br>Not Available |
| <b>Water</b>           | <b>TOXICITY</b><br>Oral (rat) LD50: >90000 mg/kg[2] | <b>IRRITATION</b><br>Not Available |

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| <b>Acrylic Polymer &amp; Water</b> | No significant acute toxicological data identified in literature search. |
|------------------------------------|--------------------------------------------------------------------------|

|                                          |                                                                     |                          |                                                                     |
|------------------------------------------|---------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------|
| <b>Acute Toxicity</b>                    | No Data available or does not fill the criteria for classification. | <b>Carcinogenicity</b>   | No Data available or does not fill the criteria for classification. |
| <b>Skin Irritation/Corrosion</b>         | No Data available or does not fill the criteria for classification. | <b>Reproductivity</b>    | No Data available or does not fill the criteria for classification. |
| <b>Serious Eye Damage/Irritation</b>     | No Data available or does not fill the criteria for classification. | <b>Single Exposure</b>   | No Data available or does not fill the criteria for classification. |
| <b>Respiratory or Skin sensitisation</b> | No Data available or does not fill the criteria for classification. | <b>Repeated Exposure</b> | No Data available or does not fill the criteria for classification. |
| <b>Mutagenicity</b>                      | No Data available or does not fill the criteria for classification. | <b>Aspiration Hazard</b> | No Data available or does not fill the criteria for classification. |

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity

|                 | ENDPOINT                                                                                                                                                                                                                                                                                                                                                                                  | TEST DURATION (HR) | SPECIES                       | VALUE         | SOURCE        |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|---------------|---------------|
| Makfire FR      | Not Available                                                                                                                                                                                                                                                                                                                                                                             | Not Available      | Not Available                 | Not Available | Not Available |
| Acrylic polymer | Not Available                                                                                                                                                                                                                                                                                                                                                                             | Not Available      | Not Available                 | Not Available | Not Available |
| Water           | LC50                                                                                                                                                                                                                                                                                                                                                                                      | 96                 | Fish                          | 897.520mg/L   | 3             |
|                 | EC50                                                                                                                                                                                                                                                                                                                                                                                      | 96                 | Algae or other aquatic plants | 8768.874mg/L  | 3             |
| Legend:         | Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data |                    |                               |               |               |

### Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air |
|------------|-------------------------|------------------|
| water      | LOW                     | LOW              |

### Bio accumulative potential

| Ingredient | Bioaccumulation | Persistence: Air |
|------------|-----------------|------------------|
| water      | LOW             | LOW              |

### Mobility in soil

| Ingredient | Mobility |
|------------|----------|
| water      | LOW      |

## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

|                              |                                                                                                                                                                                                                                                                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product / Packaging disposal | <ul style="list-style-type: none"> <li>Recycle wherever possible or consult manufacturer for recycling options.</li> <li>Consult State Land Waste Management Authority for disposal.</li> <li>Bury residue in an authorised landfill.</li> <li>Recycle containers if possible or dispose of in an authorised landfill.</li> </ul> |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 14 TRANSPORT INFORMATION

### Labels Required

|                  |                |
|------------------|----------------|
| Marine Pollutant | No             |
| HAZCHEM          | Not Applicable |

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS\

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code: NOT APPLICABLE.



## SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture.

### ACRYLIC POLYMER IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

### WATER IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

IMO IBC Code Chapter 18: List of products to which the Code does not apply

#### National Inventory Status

| National Inventory            | Status                                     |
|-------------------------------|--------------------------------------------|
| Australia - AICS              | Yes                                        |
| Canada - DSL                  | Yes                                        |
| Canada - NDSL                 | No (water)                                 |
| China - IECSC                 | Yes                                        |
| Europe - EINEC / ELINCS / NLP | Yes                                        |
| Japan - ENCS                  | Yes                                        |
| Korea - KECI                  | Yes                                        |
| New Zealand - NZIoC           | Yes                                        |
| Philippines - PICCS           | Yes                                        |
| USA - TSCA                    | Yes                                        |
| Taiwan – TSCA                 | Yes                                        |
| Legend:                       | Yes = All ingredients are on the inventory |

## SECTION 16 OTHER INFORMATION

### Definitions and abbreviations

PC – TWA: Permissible Concentration-Time Weighted Average  
PC – STEL: Permissible Concentration-Short Term Exposure  
Limit IARC: International Agency for Research on Cancer  
ACGIH: American Conference of Governmental Industrial Hygienists  
STEL: Short Term Exposure Limit  
TEEL: Temporary Emergency Exposure Limit,  
IDLH: Immediately Dangerous to Life or Health Concentrations  
OSF: Odour Safety Factor  
NOAEL :No Observed Adverse Effect Level  
LOAEL: Lowest Observed Adverse Effect  
Level TLV: Threshold Limit Value  
LOD: Limit Of  
Detection OTV:  
Odour Threshold  
Value  
BCF: Bioconcentration  
Factors BEI: Biological  
Exposure Index

This Safety Data Sheet (SDS) summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and how to safely handle and use the product in the workplace. Since the company cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage review the SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.