# Safety Data Sheet

## Section 1  PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Watersafe Flexibond Part B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms:</td>
<td>Portland Cement</td>
</tr>
<tr>
<td>Recommended Use:</td>
<td>Flexible Cementitious membrane (when combined with Part A)</td>
</tr>
<tr>
<td>Supplier Information:</td>
<td>Cameleon Coatings 26 Paramount Drive Wangara 6055 Phone:(08) 9302 2577 <a href="http://www.cameleon.com.au">www.cameleon.com.au</a> Emergency Phone: 0413 610 147 (24 hours)</td>
</tr>
</tbody>
</table>

## Section 2  HAZARD IDENTIFICATION

**Hazard Classification:**

- NOT classified as DANGEROUS GOODS according to the criteria of the ADG code, IMDG or IATA
- HAZARDOUS CHEMICAL according to the criteria of Safe Work Australia
  - Skin corrosion/Irritation, Category 2
  - Serious eye damage/eye irritation, Category 2A
  - Specific Target organ Systemic Toxicity (repeat exposure), Category 2
  - Specific Target organ Systemic Toxicity (single exposure), Category 3

**Label elements:**

- Pictograms:
  - IRRITANT
  - HEALTH HAZARD

**Signal Word:** WARNING

**Hazard Statements:**

- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H373 May cause damage to organs through prolonged or repeated exposure
- H335 May cause respiratory irritation

**Precautionary Statements:**

- GENERAL
  - P101 If medical advice is needed, have product container or label at hand
  - P102 Keep out of reach of children
  - P103 Read label before use
PREVENTATIVE
P260  Do not breathe mist or spray

P264  Wash thoroughly after handling
P271  Use only outdoors or in a well-ventilated area
P280  Wear protective gloves/eye protection/face protection

RESPONSE
P302 + P352  IF ON SKIN: Wash with plenty of soap and water
P304 + P340  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305 + P351  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P314  Get medical advice/attention if you feel unwell
P321  Specific treatment is advised – see first aid instructions
P362  Take off contaminated clothing and wash before reuse

STORAGE
P403 + P233  Store in a well-ventilated place. Keep container tightly closed.
P405  Store locked up

DISPOSAL
P501  Dispose of contents/container in accordance with local regulations

Section 3  COMPOSITION

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>&gt;87%</td>
</tr>
<tr>
<td>Fly Ash</td>
<td>68131-74-8</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Ground blast furnace slag</td>
<td>65996-69-2</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Limestone (Calcium carbonate)</td>
<td>1317-65-3</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Gypsum</td>
<td>13397-24-5</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Magnesium Oxide</td>
<td>1309-48-4</td>
<td>&lt;3%</td>
</tr>
<tr>
<td>Calcium Oxide</td>
<td>1305-78-8</td>
<td>&lt;3%</td>
</tr>
<tr>
<td>Quartz (crystalline silica)</td>
<td>14808-60-7</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Hexavalent Chromium</td>
<td>18540-29-9</td>
<td>&lt;0.002%</td>
</tr>
</tbody>
</table>

Proportion is % weight per weight
All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)
Section 4  FIRST AID MEASURES

Poisons Information Centres in each State capital city can provide additional assistance for scheduled poisons.

Description of necessary first aid measures

**Inhalation:** Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

**Skin Contact:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. Transport to nearest medical facility for additional treatment if necessary.

**Eye Contact:** If in eyes, hold eyes open, flush the eyes continuously with running water for at least 15 minutes. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek immediate medical assistance.

**Ingestion:** If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment.

**Most important symptoms and effects, both acute and delayed**

Irritating to the eyes, skin and respiratory system. Chronic over exposure to silica quartz dust may result in silicosis (lung disease). Principal symptoms of silicosis are coughing and breathlessness. Some individuals may exhibit an allergic response upon exposure to this product, possibly due to the trace amounts of chromium present. Crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1).

**Immediate medical attention and special treatment needed**

Treat as for moderate to strong alkali and symptomatically.

Section 5  FIRE FIGHTING MEASURES

**Extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

**Special Hazards**

Non-flammable. May evolve toxic gases if strongly heated.

**Advice for firefighters**

No fire or explosion hazard exists.

**Hazchem code**

None allocated.
Section 6  ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Avoid contact with spilled or released material. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Wear Personal Protective Equipment (PPE).

Environmental precautions
Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway.

Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Section 7  HANDLING AND STORAGE

Precautions for safe handling
Avoid skin or eye contact and inhalation. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities. Prohibit eating, drinking or smoking in contaminated areas.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well ventilated area, removed from moisture, incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

Section 8  EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Limits.
No value has been assigned for this specific product by the National Occupational Health and Safety Commission (NOHSC) Worksafe Australia

However, exposure standards for constituents:

<table>
<thead>
<tr>
<th>Material</th>
<th>TWA ppm</th>
<th>STEL ppm</th>
<th>Notices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate (limestone)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium (VI) compounds (as Cr)</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gypsum (calcium sulphate)</td>
<td>0.05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnesium oxide (fume)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portland Cement</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quartz (respirable dust)</td>
<td>0.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Biological monitoring
No biological limits allocated.

Engineering controls
This substance is hazardous and should be used with a local exhaust ventilation system, drawing dust away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of dusts below the exposure standards, suitable respiratory protection must be worn.

Individual protection measures

Eye and face protection: Safety glasses with side shields, chemical goggles or full face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection should conform with Australia/New Zealand Standard AS/NZS 1337 Eye Protectors for Industrial Applications.

Hand protection: Wear PVC, rubber or cotton gloves when handling to prevent skin contact.

Respiratory protection: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian standards AS/NZS 1715: Selection, use and maintenance of respiratory protective devices; and AS/NZS 1716 Respiratory Protective Devices, in order to make the necessary changes for individual circumstances.

Body Protection: Suitable protective workwear, eg cotton overalls buttoned at the neck and wrist is recommended.

Hygiene Measures: Ensure a high level of personal hygiene is maintained when using this product. Always wash hands after handling. And before eating, drinking, smoking or using toilet facilities. Provide readily accessible eye wash stations and safety showers.

Thermal hazards: Not applicable

Section 9 PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Fine white to dark grey powder</td>
</tr>
<tr>
<td>Solubility</td>
<td>&lt;10 g/L in water</td>
</tr>
<tr>
<td>Odour</td>
<td>none</td>
</tr>
<tr>
<td>pH</td>
<td>11-13</td>
</tr>
<tr>
<td>Vapour Pressure 20°C (mm Hg)</td>
<td>NAV</td>
</tr>
<tr>
<td>Vapour Density (Air = 1)</td>
<td>NAV</td>
</tr>
<tr>
<td>Initial Boiling Point &amp; Range °C:</td>
<td>NAP</td>
</tr>
<tr>
<td>Freezing Point °C:</td>
<td>NAP</td>
</tr>
</tbody>
</table>

NAP = Not Applicable, NAV = Not Available
Section 10  STABILITY AND REACTIVITY

Reactivity
Stable under normal conditions of use.

Chemical stability
Stable under normal conditions of use.

Possibility of hazardous reactions
Stable under normal conditions of use.

Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials
Incompatible with oxidising agents (e.g. hypochlorites), ethanol, acids (e.g. hydrofluoric acid) and interhalogens (e.g. chlorine trifluoride). Water contact may increase product temperature 2°C to 3°C.

Hazardous decomposition products
May evolve toxic gases if heated to decomposition.

Section 11  TOXICOLOGICAL INFORMATION

Acute toxicity No known toxicity data is available for this product. Based on available data, the classification criteria are not met.

Skin Irritating to the skin. Contact with powder or wetted form may result in irritation, rash and dermatitis.

Eye Irritating to the eyes. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.

Sensitization This product is not classified as a skin or respiratory sensitiser. However, some individuals may exhibit an allergic response upon exposure to cement, possibly due to trace amounts of chromium. Irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in breathing difficulties.

Mutagenicity Insufficient data available to classify as a mutagen.

Carcinogenicity This product contains crystalline silica which is classified as carcinogenic to humans (IARC Group 1). However, there is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore, preventing the onset of silicosis will also reduce the cancer risk. Hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1), however due to the trace amounts present, the criteria for classification is not met.

Reproductive Insufficient data available to classify as a reproductive toxin.

STOT – single exposure Irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in breathing difficulties.
STOT – repeated exposure
Repeated exposure to respirable silica may result in pulmonary fibrosis (silicosis). Silicosis is a fibronodular lung disease caused deposition in the lungs of fine respirable particles of crystalline silica. Principal symptoms of silicosis are coughing and breathlessness. In the wet state, the likelihood of an inhalation hazard is reduced.

Aspiration This product is a solid and aspiration hazards are not expected to occur.

Section 12  ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability
Product is persistent and would have a low degradability

Bioaccumulative potential
Not expected to bioaccumulate significantly.

Mobility in soil
A low mobility would be expected in a landfill situation

Other adverse effects
Avoid contamination of drains and waterways.

Section 13  DISPOSAL CONSIDERATIONS

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

Section 14  TRANSPORT INFORMATION

NOT Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG7) for transport by road or rail, IMDG or IATA.

UN Number: None allocated  HAZCHEM: None allocated
UN Proper Shipping Name: None allocated  Packaging Group: None allocated
Class and Sub Risk: None allocated

Section 15  REGULATORY INFORMATION

Hazardous according to Safe Work Australia

Poisons Schedule (Australia): None allocated
Section 16 OTHER INFORMATION

Date of preparation: December 2016
Version 1.02

General:

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.
This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the work-place.

Since Cameleon Coatings cannot anticipate or control the conditions under which this product may be used or handled, each user must, prior to using or handling this product, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is required 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 from the company upon request.