

# MATERIAL SAFETY DATA SHEET

## Section 1: Identification

**Product name:** Betonamit  
**Recommended use:** Concrete/Cement additive. Expansive cracking agent.  
**Company details:** Rockbond SCP Ltd  
**Address:** 7 Te Puni Street, Petone, Lower Hutt, Wellington, New Zealand 5012  
**Telephone Number:** 0800 76 25 26  
**Emergency telephone number:** 0800 76 25 26 (Hours of Operation 7.30am to 5pm Monday - Friday)  
**Date of preparation:** May 2024

## Section 2: Hazards Identification

### Classification according to Regulation (EC) No 1272/2008:

Corrosion  
Eye Dam. 1 H318 Causes serious eye damage.  
Skin Irrit. 2 H315 Causes skin irritation.  
STOT SE 3 H335 May cause respiratory irritation.

### Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

#### *Hazard-determining components of labelling:*

Calcium oxide  
Cement, portland, chemicals

#### *Hazard statements*

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

#### *Precautionary statements*

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.

## Section 3: Composition/information on ingredients

**Substance/Mixture:** Mixture.  
**CAS number/other identifiers**  
**CAS number:** 10305-78-8  
**EC number:** 215-138-9  
**Product Code:** 9.01

**Section 4: First-aid measures****Over-exposure signs/symptoms**

|                    |                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b> | If patient unconscious, place patient stably in side position for transportation.                                           |
| <b>Ingestion:</b>  | No specific data.                                                                                                           |
| <b>Skin:</b>       | Wash with plenty of Soap and Water                                                                                          |
| <b>Eyes:</b>       | Rinse out with cold water, remove contact lenses if present.<br>Continue to rinse. Immediately call a Poison Centre/Doctor. |

**Indication of immediate medical attention and special treatment needed, if necessary**

|                                    |                                                                                                                                                                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific treatments:</b>        | Not available.                                                                                                                                                           |
| <b>Notes to physician:</b>         | No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.                         |
| <b>Protection of first-aiders:</b> | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |

**Section 5: Fire-fighting measures****Extinguishing media**

|                                                        |                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Suitable:</b>                                       | Use an extinguishing agent suitable for the surrounding fire.         |
| <b>Not suitable:</b>                                   | None known.                                                           |
| <b>Special exposure hazards:</b>                       | No specific fire or explosion hazard.                                 |
| <b>Special protective equipment for fire-fighters:</b> | Always wear protective equipment: no other special measures required. |

## Section 6: Accidental release measures

### Description of necessary first-aid measures

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.                                                                                                                                    |
| <b>Ingestion:</b>    | Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| <b>Skin Contact:</b> | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Eye contact:</b>  | Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| <b>Inhalation:</b>   | Irritating to respiratory system.                            |
| <b>Ingestion:</b>    | Irritating to mouth, throat and stomach.                     |
| <b>Skin contact:</b> | Irritating to skin.                                          |
| <b>Eye contact:</b>  | Severely irritating to eyes. Risk of serious damage to eyes. |

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

Ensure adequate ventilation

**Environmental precautions:** No special measures required.

#### Methods and materials for containment and cleaning up

Ensure adequate ventilation.

### Section 7: Handling and storage

**Precautions for safe handling:** No special measures required.

**Conditions of safe storage,**

**including any**

**incompatibilities:**

Store in dry conditions, keep container tightly sealed.

### Section 8: Exposure controls/personal protection

#### Control parameters

#### Occupational exposure limits

| Ingredient name                         | Exposure limits                                                                                                    |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Quartz (SiO <sub>2</sub> )              | <b>Safe Work Australia (Australia, 8/2005).</b><br>TWA: 0.1 mg/m <sup>3</sup> 8 hour(s).                           |
| Cement, portland, chemicals             | <b>Safe Work Australia (Australia, 8/2005).</b><br>PEAK: 10 mg/m <sup>3</sup> 8 hour(s).                           |
| Silica, amorphous, precipitated and gel | <b>Safe Work Australia (Australia, 8/2005).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hour(s). Form: Inspirable fraction. |

#### **Recommended monitoring procedures:**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

#### **Environmental exposure controls:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

##### **Hygiene measures:**

Wash hands before breaks and end of work to avoid contact with eyes and skin. Keep away from food, beverages and feed. Immediately remove all soiled and contaminated clothing.

##### **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

##### **Hand protection:**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

##### **Eye protection:**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If operating conditions cause high dust concentrations to be produced, use tightly sealed goggles.

### Section 9: Physical and chemical properties

#### Appearance

|                                                      |                                                 |
|------------------------------------------------------|-------------------------------------------------|
| <b>Physical State:</b>                               | Solid                                           |
| <b>Colour:</b>                                       | Grey.                                           |
| <b>Odour:</b>                                        | Odourless.                                      |
| <b>Odour threshold:</b>                              | Not available.                                  |
| <b>pH:</b>                                           | >13                                             |
| <b>Melting point:</b>                                | Not applicable.                                 |
| <b>Boiling point:</b>                                | Not applicable.                                 |
| <b>Flash point:</b>                                  | Not applicable.                                 |
| <b>Burning rate:</b>                                 | Not applicable.                                 |
| <b>Burning time:</b>                                 | Not applicable.                                 |
| <b>Evaporation rate:</b>                             | Not available.                                  |
| <b>Flammability (solid,gas):</b>                     | Not available.                                  |
| <b>Lower and upper explosive (flammable) limits:</b> | Not applicable.                                 |
| <b>Vapour pressure:</b>                              | Not applicable.                                 |
| <b>Vapour density:</b>                               | Not available.                                  |
| <b>Density:</b>                                      | Not available                                   |
| <b>Relative density:</b>                             | Not available.                                  |
| <b>Solubility:</b>                                   | Soluble in the following materials: cold water. |
| <b>Solubility in water:</b>                          | Soluable.                                       |
| <b>Partition coefficient: n-Octanol/water:</b>       | Not available.                                  |
| <b>Auto-ignition temperature:</b>                    | Not applicable.                                 |
| <b>Decomposition temperature:</b>                    | Not available.                                  |
| <b>Viscosity:</b>                                    | Not available.                                  |

### Section 10: Stability and reactivity

|                                            |                                                       |
|--------------------------------------------|-------------------------------------------------------|
| <b>Chemical stability:</b>                 | No decomposition if used according to specifications. |
| <b>Possibility of hazardous reactions:</b> | Reacts with water and acids. Corrodes aluminium.      |
| <b>Conditions to avoid:</b>                | No specific data.                                     |
| <b>Incompatible materials:</b>             | No specific data.                                     |
| <b>Hazardous decomposition products:</b>   | No dangerous decomposition products known.            |

## Section 11: Toxicological information

### Information on the likely routes of exposure

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| <b>Ingestion:</b>    | Sensitisation possible though skin contact.           |
| <b>Skin contact:</b> | Causes Skins irritation.                              |
| <b>Eye contact:</b>  | Strong irritant with the danger of severe eye injury. |

### Symptoms related to the physical, chemical and toxicological characteristics

|                      |                   |
|----------------------|-------------------|
| <b>Inhalation:</b>   | No specific data. |
| <b>Ingestion:</b>    | No specific data. |
| <b>Skin contact:</b> | No specific data. |
| <b>Eye contact:</b>  | No specific data. |

### Delayed and immediate effects and also chronic effects from short and long term exposure

|                              |                |
|------------------------------|----------------|
| <b>Acute toxicity:</b>       | Not available. |
| <b>Irritation/Corrosion:</b> | Not available. |
| <b>Sensitisation:</b>        | Not available. |

### Potential chronic health effects

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| <b>General:</b>         | Not available.                                    |
| <b>Inhalation:</b>      | Not available.                                    |
| <b>Ingestion:</b>       | Not available.                                    |
| <b>Skin contact:</b>    | Not available.                                    |
| <b>Eye contact:</b>     | Not available.                                    |
| <b>Carcinogenicity:</b> | No known significant effects or critical hazards. |
| <b>Mutagenicity:</b>    | No known significant effects or critical hazards. |

## Section 11: Toxicological information

|                                              |                                                   |
|----------------------------------------------|---------------------------------------------------|
| <b>Teratogenicity:</b>                       | No known significant effects or critical hazards. |
| <b>Developmental effects:</b>                | No known significant effects or critical hazards. |
| <b>Fertility effects:</b>                    | No known significant effects or critical hazards. |
| <b>Chronic toxicity:</b>                     | Not available.                                    |
| <b>Carcinogenicity:</b>                      | Not available.                                    |
| <b>Mutagenicity:</b>                         | Not available.                                    |
| <b>Teratogenicity:</b>                       | Not available.                                    |
| <b>Reproductive toxicity:</b>                | Not available.                                    |
| <b>Specific target organ toxicity:</b>       | Not available.                                    |
| <b>Aspiration hazard:</b>                    | Not available.                                    |
| <b><u>Numerical measures of toxicity</u></b> |                                                   |
| <b>Acute toxicity estimates:</b>             | Not available.                                    |

### Section 12: Ecological information

**Ecotoxicity:** No known significant effects or critical hazards.

**Aquatic and terrestrial toxicity:** Based on the ingredients not classified as harmful for the environment.

**Persistence/degradability:** Not available.

**Bioaccumulative potential:** Not available.

**Mobility in soil**

**Soil/water partition**

**Coefficient (Koc):** Not available.

### Section 13: Disposal considerations

**Disposal methods:** The generation of waste should be avoided or minimised wherever possible. Do not allow product to reach ground water, water course or sewage system.

**Uncleaned packaging:** Disposal must be made according to official regulations.

**Recommended cleansing Agents:** Water, if necessary together with cleansing agents.

### Section 14: Transport information

| Regulatory information | UN number      | Proper Shipping name | Classes | Packaging group | Label No. | Additional information |
|------------------------|----------------|----------------------|---------|-----------------|-----------|------------------------|
| New Zealand Class      | Not regulated. | -                    | -       | -               | -         | -                      |
| ADG Class              | Not regulated. | -                    | -       | -               | -         | -                      |
| ADR/RID Class          | Not regulated. | -                    | -       | -               | -         | -                      |
| IATA Class             | Not regulated. | -                    | -       | -               | -         | -                      |
| IMDG Class             | Not regulated. | -                    | -       | -               | -         | Marine pollutant: No.  |

### Section 15: Regulatory information

|                                                                               |                                                                                                                |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>New Zealand Inventory of Chemicals (NZIoC):</b>                            | All Components are listed or exempted.                                                                         |
| <b>HSNO Group Standard:</b>                                                   |                                                                                                                |
| <b>Australia Inventory (AICS):</b>                                            | All components are listed or exempted.                                                                         |
| <b>Safety, health and Environmental regulations specific for the product:</b> | No known specific national and/or regional regulations applicable to this product (including its ingredients). |

### Section 16: Other information

#### History

|                                        |              |
|----------------------------------------|--------------|
| <b>Date of printing:</b>               | 01/01/2024   |
| <b>Date of issue/Date of revision:</b> | 01/01/2024   |
| <b>Date of previous issue:</b>         | January 2022 |
| <b>Version:</b>                        | 5            |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Key to abbreviations:</b> | <p>ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway</p> <p>ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road</p> <p>ATE = Acute Toxicity Estimate</p> <p>BCF = Bioconcentration Factor</p> <p>GHS = Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>IATA = International Air Transport Association</p> <p>IBC = Intermediate Bulk Container</p> <p>IMDG = International Maritime Dangerous Goods</p> <p>LogPow = logarithm of the octanol/water partition coefficient</p> <p>MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)</p> <p>RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail</p> <p>UN = United Nations</p> |
| <b>References:</b>           | Not available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

#### Notice to reader

*The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.*