

# Swancorp

Chemwatch: 26-0448 Version No: 3.1.1.1 Safety Data Sheet according to WHS and ADG requirements Chemwatch Hazard Alert Code: 2

#### Issue Date: 23/10/2015 Print Date: 23/10/2015 Initial Date: Not Available S.GHS.AUS.EN

# SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

| Product name                     | Magnesium Oxide (Caustic Calcined Magnesia) |
|----------------------------------|---|
| Synonyms                         | Not Available                               |
| Other means of<br>identification | Not Available                               |

Relevant identified uses Animal feed, fertiliser, sewage treatment, steel manufacture, hydrometallurgy.

# Details of the supplier of the safety data sheet

| Registered company name | Swancorp                                     |  |
|-------------------------|--|--|
| Address                 | 123 Boundary Road Rocklea 4106 QLD Australia |  |
| Telephone               | +61 7 3276 7422                              |  |
| Fax                     | +61 7 3276 8622                              |  |
| Website                 | Not Available                                |  |
| Email                   | Not Available                                |  |

### Emergency telephone number

| 5                                 |   |  |  |
|-----------------------------------|---|--|--|
| Association / Organisation        | Not Available   |  |  |
| Emergency telephone numbers       | 1800 039 008 (24hrs, Australia), +800 2436 2255 (24hrs, NZ) |  |  |
| Other emergency telephone numbers | Not Available   |  |  |

### **SECTION 2 HAZARDS IDENTIFICATION**

#### Classification of the substance or mixture

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

| Poisons Schedule                   | Not Applicable |  |  |
|------------------------------------|----------------|--|--|
| GHS Classification                 | Not Applicable |  |  |
| Label elements                     |                |  |  |
| GHS label elements                 | Not Applicable |  |  |
| 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                     | Not Applicable |  |  |
|                                    |                |  |  |

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Substances

See section below for composition of Mixtures

# Mixtures

| CAS No        | %[weight] | Name                                     |  |
|---------------|-----------|--|--|
| 1309-48-4.    | >80       | magnesium oxide                          |  |
| Not Available | <20       | complex compounds of calcium, manganese, |  |
|               |           | silicon, iron and aluminium              |  |

silicon, iron and aluminium

# SECTION 4 FIRST AID MEASURES

# Description of first aid measures

|   | Eye Contact | <ul> <li>If this product comes in contact with the eyes:</li> <li>Immediately hold eyelids apart and flush the eye continuously with 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>Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.</li> <li>Transport to hospital or doctor without delay.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul> |
|---|-------------|--|
| Skin Contact       Brush off dust.         If skin or hair contact occurs:       If skin or hair contact occurs:         Flush skin and hair with running water (and soap if available).         Seek medical attention in event of irritation. |             | If skin or hair contact occurs:<br>▶ Flush skin and hair with running water (and soap if available).   |
|   | Inhalation  | <ul> <li>If dust is inhaled, remove from contaminated area.</li> <li>Encourage patient to blow nose to ensure clear breathing passages.</li> <li>Ask patient to rinse mouth with water but to not drink water.</li> <li>Seek immediate medical attention.</li> </ul>   |
|   | Ingestion   | <ul> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>  |

# Indication of any immediate medical attention and special treatment needed

Magnesium is present in the blood, as a normal constituent, at concentrations between 1.6 to 2.2 meq/l. Some 30% is plasma bound. At serum magnesium levels of 3-4 mEq/l, signs of CNS depression, loss of reflexes, muscular tone and power, and bradycardia occur. Cardiac arrest (sometimes fatal) and/or respiratory paralysis can occur at plasma levels of 10-15 meq/l. For acute or short term repeated exposures to magnesium;

- Symptomatic hypermagnesaemia appears rarely in the absence of intestinal or renal disease.
- Elevated magnesium levels may cause hypocalcaemia because of decreased parathyroid hormone activity and decreased end-organ responsiveness.
- Patients with severe hypermagnesemia may develop sudden respiratory arrest and must be watched closely for apnoea.
- + Use fluids, then vasopressors for hypotension. Frequently hypotension responds to calcium administration.
- > Induce emesis or administer lavage if patient presents within 4 hours of ingestion. Use sodium cathartics, with caution, in presence of cardiac or renal failure.

Activated charcoal is not useful.

Calcium is an antagonist of magnesium action and is an effective antidote when serum levels exceed 5MEg/L and the patient exhibits symptoms The adult dose of calcium gluconate is 10 ml of a 10% solution over several minutes. [Ellenhorn and Barceloux: Medical Toxicology]

# SECTION 5 FIREFIGHTING MEASURES

#### Extinguishing media

Use extinguishing media suitable for surrounding area.

#### Special hazards arising from the substrate or mixture

| Fire Incompatibility    | No known incompatibility with normal range of industrial materials  |  |  |
|-------------------------|---|--|--|
| Advice for firefighters |   |  |  |
| Fire Fighting           | <ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>If safe to do so, remove containers from path of fire.</li> </ul> |  |  |
| Fire/Explosion Hazard   | <ul> <li>Non combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> </ul>  |  |  |

### SECTION 6 ACCIDENTAL RELEASE MEASURES

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

|              | Clean up all spills immediately.<br>Wear impervious gloves and safety glasses. |
|--------------|--|
| Minor Spills | Avoid generating and breathing dust.   |
|              | Vacuum up or sweep up.   |
|              | Place in suitable containers for disposal.                                     |

| Major Spills | <ul> <li>Clear area of personnel and move upwind</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>Use dry clean up procedures and avoid generating dust.</li> <li>Recover uncontaminated product in clean, dry, labelled containers</li> <li>Place spilled material in clean, dry, sealable, labelled container.</li> <li>Wash spill area with large quantities of water.</li> </ul> |
|--------------|--|
|--------------|--|

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

# SECTION 7 HANDLING AND STORAGE

# Precautions for safe handling

| Safe handling     | <ul> <li>Avoid generating and breathing dust.</li> <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 scap and water after 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> |
|-------------------|---|
| Other information | <ul> <li>Keep dry.</li> <li>Store under cover.</li> <li>Protect containers against physical damage.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>  |

# Conditions for safe storage, including any incompatibilities

| Suitable container      | Multi-ply paper bag with sealed plastic liner or heavy gauge plastic bag.   |  |  |
|-------------------------|---|--|--|
|                         | NOTE: Bags should be stacked, blocked, interlocked, and limited in height so that they are stable and secure against sliding or collapse. Check that all containers are clearly labelled and free from leaks. Packing as recommended by manufacturer.   |  |  |
| Storage incompatibility | <ul> <li>Keep dry</li> <li>Metals and their oxides or salts may react violently with chlorine trifluoride and bromine trifluoride.</li> <li>These trifluorides are hypergolic oxidisers. They ignites on contact (without external source of heat or ignition) with recognised fuels - contact with these materials, following an ambient or slightly elevated temperature, is often violent and may produce ignition.</li> <li>The state of subdivision may affect the results.</li> </ul> |  |  |

# SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Not Available

### **Control parameters**

# OCCUPATIONAL EXPOSURE LIMITS (OEL)

| ING | REDIE | NT D/ | ATA |
|-----|-------|-------|-----|

| INGREDIENT DATA              |                       |                      |          |          |               |         |           |               |
|------------------------------|-----------------------|----------------------|----------|----------|---------------|---------|-----------|---------------|
| Source                       | Ingredient            | Material name        |          | TWA      | STEL          | Peak    |           | Notes         |
| Australia Exposure Standards | magnesium oxide       | Magnesium oxide (fur | ne)      | 10 mg/m3 | Not Available | Not Ava | ailable   | Not Available |
| EMERGENCY LIMITS             |                       |                      |          |          |               |         |           |               |
| Ingredient                   | Material name         |                      | TEEL-1   |          | TEEL-2        |         | TEEL-3    |               |
| magnesium oxide              | Magnesium oxide       |                      | 22 mg/m3 |          | 22 mg/m3      |         | 130 mg/m3 |               |
| Ingredient                   | Original IDLH         |                      |          |          | Revised ID    | LH      |           |               |
| magnesium oxide              | N.E. mg/m3 / N.E. ppm |                      |          |          | 750 mg/m3     |         |           |               |
| complex compounds of         | Not Available         |                      |          |          | Not Availab   | e       |           |               |

Not Available

# Exposure controls

calcium, manganese,

|                                     | Use in a well-ventilated area<br>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well<br>effective in protecting workers and will typically be independent of worker interactions to provide this high level of<br>The basic types of engineering controls are:<br>Process controls which involve changing the way a job activity or process is done to reduce the risk.<br>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worke<br>"removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly.<br>the particular process and chemical or contaminant in use. | of protection.                          |
|-------------------------------------|---|---|
|                                     | Employers may need to use multiple types of controls to prevent employee overexposure.  |   |
| Appropriate engineering<br>controls | General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA appr<br>adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants gen<br>"escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effective   | erated in the workplace possess varying |
|                                     | Type of Contaminant:  | Air Speed:                              |
|                                     |   |   |

|   | aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transf<br>acid fumes, pickling (released at low velocity into zone of active generation)  | fers, welding, spray drift, plating  | 0.5-1 m/s (100-200<br>f/min.)   |
|---|---|--|---|
|   |   |  | 1-2.5 m/s (200-500<br>f/min)  |
|   | grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial air motion).  | velocity into zone of very high rapid  | 2.5-10 m/s (500-2000<br>f/min.)   |
|   | Within each range the appropriate value depends on:   |  |   |
|   | Lower end of the range  | Upper end of the range   |   |
|   | 1: Room air currents minimal or favourable to capture   | 1: Disturbing room air currents  |   |
|   | 2: Contaminants of low toxicity or of nuisance value only   | 2: Contaminants of high toxicity   |   |
|   | 3: Intermittent, low production.  | 3: High production, heavy use  |   |
|   | 4: Large hood or large air mass in motion   | 4: Small hood - local control only   |   |
|   |   |  |   |
| Personal protection   |   |  |   |
| Personal protection   | <ul> <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 in lenses or restrictions on use, should be created for each workplace or task. This should includ chemicals in use and an account of injury experience. Medical and first-aid personnel should I readily available. In the event of chemical exposure, begin eye irrigation immediately and remo at the first signs of eye redness or irritation - lens should be removed in a clean environment or</li> </ul>   | de a review of lens absorption and ad<br>be trained in their removal and suitab<br>we contact lens as soon as practicabl | lsorption for the class of<br>le equipment should be<br>e. Lens should be remov |
|   | <ul> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate in<br/>lenses or restrictions on use, should be created for each workplace or task. This should includ<br/>chemicals in use and an account of injury experience. Medical and first-aid personnel should l<br/>readily available. In the event of chemical exposure, begin eye irrigation immediately and remo</li> </ul>   | de a review of lens absorption and ad<br>be trained in their removal and suitab<br>we contact lens as soon as practicabl | lsorption for the class of<br>le equipment should be<br>e. Lens should be remov |
|   | <ul> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate in lenses or restrictions on use, should be created for each workplace or task. This should includ chemicals in use and an account of injury experience. Medical and first-aid personnel should I readily available. In the event of chemical exposure, begin eye irrigation immediately and remo at the first signs of eye redness or irritation - lens should be removed in a clean environment or Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> <li>See Hand protection below</li> </ul>   | de a review of lens absorption and ad<br>be trained in their removal and suitab<br>we contact lens as soon as practicabl | lsorption for the class of<br>le equipment should be<br>e. Lens should be remo  |
| Eye and face protection   | <ul> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate in<br/>lenses or restrictions on use, should be created for each workplace or task. This should includ<br/>chemicals in use and an account of injury experience. Medical and first-aid personnel should le<br/>readily available. In the event of chemical exposure, begin eye irrigation immediately and remo<br/>at the first signs of eye redness or irritation - lens should be removed in a clean environment of<br/>Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> </ul>   | de a review of lens absorption and ad<br>be trained in their removal and suitab<br>we contact lens as soon as practicabl | lsorption for the class of<br>le equipment should be<br>le. Lens should be remo |
| Eye and face protection Skin protection                             | <ul> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate in lenses or restrictions on use, should be created for each workplace or task. This should includ chemicals in use and an account of injury experience. Medical and first-aid personnel should I readily available. In the event of chemical exposure, begin eye irrigation immediately and remo at the first signs of eye redness or irritation - lens should be removed in a clean environment of Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> <li>See Hand protection below</li> <li>Barrier cream and</li> <li>Cotton gloves</li> <li>or</li> </ul>                                     | de a review of lens absorption and ad<br>be trained in their removal and suitab<br>we contact lens as soon as practicabl | lsorption for the class of<br>le equipment should be<br>le. Lens should be remo |
| Eye and face protection<br>Skin protection<br>Hands/feet protection | <ul> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate in lenses or restrictions on use, should be created for each workplace or task. This should includ chemicals in use and an account of injury experience. Medical and first-aid personnel should I readily available. In the event of chemical exposure, begin eye irrigation immediately and remo at the first signs of eye redness or irritation - lens should be removed in a clean environment or Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> <li>See Hand protection below</li> <li>Barrier cream and</li> <li>Cotton gloves or</li> <li>PVC gloves</li> <li>Safety footwear</li> </ul> | de a review of lens absorption and ad<br>be trained in their removal and suitab<br>we contact lens as soon as practicabl | lsorption for the class of<br>le equipment should be<br>le. Lens should be remo |

# **Respiratory protection**

Particulate. (AS/NZS 1716 & 1715, EN 143:000 & 149:001, ANSI Z88 or national equivalent)

# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| Appearance                                   | White to pink powder with slight odour; insoluble in water. |  |                |
|--|---|--|----------------|
| Physical state                               | Divided Solid   | Relative density (Water = 1)               | >1.0           |
| Odour  | Not Available   | Partition coefficient<br>n-octanol / water | Not Available  |
| Odour threshold                              | Not Available   | Auto-ignition temperature<br>(°C)          | Not Applicable |
| pH (as supplied)                             | Not Applicable  | Decomposition<br>temperature               | Not Available  |
| Melting point / freezing<br>point (°C)       | 2600-2800   | Viscosity (cSt)                            | Not Applicable |
| Initial boiling point and boiling range (°C) | 3600  | Molecular weight (g/mol)                   | Not Available  |
| Flash point (°C)                             | Not Applicable  | Taste                                      | Not Available  |
| Evaporation rate                             | Not Applicable  | Explosive properties                       | Not Available  |
| Flammability                                 | Not Applicable  | Oxidising properties                       | Not Available  |
| Jpper Explosive Limit (%)                    | Not Applicable  | Surface Tension (dyn/cm or mN/m)           | Not Applicable |
| Lower Explosive Limit (%)                    | Not Applicable  | Volatile Component (%vol)                  | Not Applicable |

| Vapour pressure (kPa)     | Not Applicable | Gas group             | Not Available |
|---------------------------|----------------|-----------------------|---------------|
| Solubility in water (g/L) | Immiscible     | pH as a solution (1%) | Not Available |
| Vapour density (Air = 1)  | Not Applicable | VOC g/L               | Not Available |

# SECTION 10 STABILITY AND REACTIVITY

| Reactivity                            | See section 7  |
|---------------------------------------|--|
| Chemical stability                    | <ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul> |
| Possibility of hazardous<br>reactions | See section 7  |
| Conditions to avoid                   | See section 7  |
| Incompatible materials                | See section 7  |
| Hazardous decomposition<br>products   | See section 5  |

# SECTION 11 TOXICOLOGICAL INFORMATION

# Information on toxicological effects

| Inhaled  | Generated dust may be discomforting  |   |  |
|--|--|---|--|
| Ingestion                                      | The material has <b>NOT</b> been classified by EC Directives or ott<br>animal or human evidence.<br>Magnesium salts are generally absorbed so slowly that swall<br>removed (for example in bowel obstruction or paralysis), it ma<br>Side effects of magnesium salts include upset stomach, dry m<br>and nose.<br>The magnesium ion causes salt disturbances, central nervous<br>breathing; these effects, however, are rare without pre-existing<br>Early signs and symptoms of magnesium poisoning include n<br>dilation of blood vessels. A slow heart beat is common, which n  | owing these cause few toxic effects,<br>y irritate the gut lining and be absort<br>iouth, dry nose, dry throat, drowsines<br>s system depression, involvement of<br>g kidney or bowel disorders.<br>ausea, vomiting, general unwellness   | with purging being the most significant. If it cannot be<br>bed into the body.<br>ss, nausea, heartburn, and thickening of the lining of the throat<br>the heart, loss of reflexes and death from paralysis of<br>and confusion. There may be low blood pressure due to  |
| Skin Contact                                   | There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons.<br>The material may accentuate any pre-existing dermatitis condition   |   |  |
| Eye  | There is some evidence to suggest that this material can cause   | se eye irritation and damage in some  | e persons.   |
| Chronic  | Long term exposure to high dust concentrations may cause c<br>and remaining in the lung.   | hanges in lung function i.e. pneumoo  | coniosis; caused by particles less than 0.5 micron penetrating   |
|  |  | IDDITATION  |  |
| Magnesium Oxide (Caustic<br>Calcined Magnesia) | TOXICITY<br>Not Available  | IRRITATION<br>Not Available   |  |
| magnesium oxide                                | TOXICITY<br>Not Available  | IRRITATION<br>Nil reported  |  |
| Legend:  | Nor Available     Section 2017     Section 2017 | s - Acute toxicity 2.* Value obtained f   | rom manufacturer's SDS. Unless otherwise specified data  |
| MAGNESIUM OXIDE                                | The following information refers to contact allergens as a group Contact allergies quickly manifest themselves as contact eczer a cell-mediated (T lymphocytes) immune reaction of the delay reactions. The significance of the contact allergen is not simp for contact with it are equally important. A weakly sensitising sensitising potential with which few individuals come into cont reaction in more than 1% of the persons tested. Asthma-like symptoms may continue for months or even years reactive airways dysfunction syndrome (RADS) which can or of RADS include the absence of preceding respiratory disease to hours of a documented exposure to the irritant. A reversible on methacholine challenge testing and the lack of minimal lym of RADS. RADS (or asthma) following an irritating inhalation i irritating substance. Industrial bronchitis, on the other hand, is (often particulate in nature) and is completely reversible after the substance.   | rma, more rarely as urticaria or Quin<br>ed type. Other allergic skin reactions<br>by determined by its sensitisation pot<br>substance which is widely distributed<br>act. From a clinical point of view, sub<br>after exposure to the material cease<br>cur following exposure to high levels<br>e, in a non-atopic individual, with abr<br>airflow pattern, on spirometry, with to<br>phocytic inflammation, without eosin<br>is an infrequent disorder with rates r<br>a disorder that occurs as result of | cke's oedema. The pathogenesis of contact eczema involves<br>s, e.g. contact urticaria, involve antibody-mediated immune<br>tential: the distribution of the substance and the opportunities<br>I can be a more important allergen than one with stronger<br>ostances are noteworthy if they produce an allergic test<br>es. This may be due to a non-allergenic condition known as<br>s of highly irritating compound. Key criteria for the diagnosis<br>upt onset of persistent asthma-like symptoms within minutes<br>he presence of moderate to severe bronchial hyperreactivity<br>nophilia, have also been included in the criteria for diagnosis<br>elated to the concentration of and duration of exposure to the<br>exposure due to high concentrations of irritating substance |
| Acute Toxicity                                 | 0  | Carcinogenicity   | 0  |
| Skin Irritation/Corrosion                      | 0  | Reproductivity  | 0  |
| Serious Eye<br>Damage/Irritation               | 0  | STOT - Single Exposure  | 0  |
| Respiratory or Skin sensitisation              | 0  | STOT - Repeated Exposure  | 0  |
| Mutagenicity                                   | $\otimes$  | Aspiration Hazard   | $\otimes$  |
|  |  | Legend: 🗙   | - Data available but does not fill the criteria for classification   |

S – Data Not Available to make classification

Data available but does not fill the criteria for classification
 Data required to make classification available

# **SECTION 12 ECOLOGICAL INFORMATION**

# Toxicity

| Ingredient    | Endpoint       | Test Duration  | Species        | Value          | Source         |
|---------------|----------------|----------------|----------------|----------------|----------------|
| Not Available | Not Applicable |

DO NOT discharge into sewer or waterways.

# Persistence and degradability

| Ingredient | Persistence: Water/Soil               | Persistence: Air                      |
|------------|---------------------------------------|---------------------------------------|
|            | No Data available for all ingredients | No Data available for all ingredients |

#### **Bioaccumulative potential**

| Ingredient       | Bioaccumulation                       |
|------------------|---------------------------------------|
|                  | No Data available for all ingredients |
|                  |                                       |
| Mobility in soil |                                       |

| Ingredient | Mobility                              |
|------------|---------------------------------------|
|            | No Data available for all ingredients |
|            |                                       |

### SECTION 13 DISPOSAL CONSIDERATIONS

#### Waste treatment methods

 Product / Packaging
 Recycle wherever possible.

 disposal
 Bury residue in an authorised landfill.

# **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

### SECTION 15 REGULATORY INFORMATION

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

### MAGNESIUM OXIDE(1309-48-4.) IS FOUND ON THE FOLLOWING REGULATORY LISTS

| Australia Exposure Standards     | Australia Inventory of Chemical Substances (AICS)  |
|----------------------------------|--|
| Australia Hazardous Substance    | s Information System - Consolidated Lists  |
| National Inventory               | Status   |
| Australia - AICS                 | Y  |
| Canada - DSL                     | Y  |
| Canada - NDSL                    | N (magnesium oxide)  |
| China - IECSC                    | Y  |
| Europe - EINEC / ELINCS /<br>NLP | Y  |
| Japan - ENCS                     | Y  |
| Korea - KECI                     | Y  |
| New Zealand - NZIoC              | Y  |
| Philippines - PICCS              | Y  |
| USA - TSCA                       | Y  |
| Legend:                          | Y = All ingredients are on the inventory<br>N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

# **SECTION 16 OTHER INFORMATION**

#### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

# Issue Date: 01/01/2013 Print Date: 23/10/2015

# Magnesium Oxide (Caustic Calcined Magnesia)

A list of reference resources used to assist the committee may be found at: www.chemwatch.net

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### 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 LOAEL: Lowest Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level LOD: Limit of Detection OTV: Odour Threshold Value BCF: BioConcentration Factors BEI: Biological Exposure Index

This document is copyright.

Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH. TEL (+61 3) 9572 4700.