

GRANOSITE GRANORENDER RANGE (DRY MIX)

Chemwatch Independent Material Safety Data Sheet
Issue Date: 16-Feb-2009
XC9317EC

CHEMWATCH 8063-99
Version No:7
CD 2009/3 Page 1 of 5

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

GRANOSITE GRANORENDER RANGE (DRY MIX)

SYNONYMS

"Product Code: 851004, 851005, 851006, 851011, 851012, 851013, 851014, 851015

PRODUCT USE

■ Used according to manufacturer's directions.

SUPPLIER

Company: Granosite
Address:
4 Steel Street
Blacktown
NSW, 2148
AUS
Telephone: +61 2 9621 6255
Emergency Tel: +61 1800 039 008
Fax: +61 2 9831 4244

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

POISONS SCHEDULE

None

RISK

| Risk Codes | Risk Phrases |
|------------|-----------------------------------|
| R34 | ■ Causes burns. |
| R41 | ■ Risk of serious damage to eyes. |

SAFETY

| Safety Codes | Safety Phrases |
|--------------|--|
| S01 | ■ Keep locked up. |
| S22 | ■ Do not breathe dust. |
| S25 | ■ Avoid contact with eyes. |
| S36 | ■ Wear suitable protective clothing. |
| S51 | ■ Use only in well ventilated areas. |
| S09 | ■ Keep container in a well ventilated place. |
| S401 | ■ To clean the floor and all objects contaminated by this material use water and detergent. |
| S27 | ■ Take off immediately all contaminated clothing. |
| S45 | ■ In case of accident or if you feel unwell IMMEDIATELY contact Doctor or Poisons Information Centre (show label if possible). |

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| NAME | CAS RN | % |
|-----------------|-------------|-------|
| portland cement | 65997-15-1 | 10-30 |
| graded sand | 14808-60-7. | >60 |
| additives | | <10 |

Section 4 - FIRST AID MEASURES

SWALLOWED

• For advice, contact a Poisons Information Centre or a doctor at once.
• Urgent hospital treatment is likely to be needed.

EYE

■ If this product comes in contact with the eyes:

continued...

GRANOSITE GRANORENDER RANGE (DRY MIX)

Chemwatch Independent Material Safety Data Sheet

Issue Date: 16-Feb-2009

XC9317EC

CHEMWATCH 8063-99

Version No:7

CD 2009/3 Page 2 of 5

Section 4 - FIRST AID MEASURES

-
- Immediately hold eyelids apart and flush the eye continuously with running water.
 - 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.

SKIN

- If skin or hair contact occurs:
- Immediately flush body and clothes with large amounts of water, using safety shower if available.
- Quickly remove all contaminated clothing, including footwear.

INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- If dust is inhaled, remove from contaminated area.
- Encourage patient to blow nose to ensure clear breathing passages.

NOTES TO PHYSICIAN

- Treat symptomatically.
- For acute or short-term repeated exposures to highly alkaline materials:
- Respiratory stress is uncommon but present occasionally because of soft tissue edema.
 - Unless endotracheal intubation can be accomplished under direct vision, cricothyroidotomy or tracheotomy may be necessary.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves for fire only.

FIRE/EXPLOSION HAZARD

- Non combustible.
 - Not considered a significant fire risk, however containers may burn.
- May emit poisonous fumes.
May emit corrosive fumes.

FIRE INCOMPATIBILITY

- None known.

HAZCHEM: None

Personal Protective Equipment

Gas tight chemical resistant suit.

Section 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS

- Remove all ignition sources.
- Clean up all spills immediately.

MAJOR SPILLS

- Moderate hazard.
- CAUTION: Advise personnel in area.
- Alert Emergency Services and tell them location and nature of hazard.

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

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.

SUITABLE CONTAINER

- Polyethylene or polypropylene container.
- Check all containers are clearly labelled and free from leaks.

STORAGE INCOMPATIBILITY

- Avoid contact with copper, aluminium and their alloys.
- Avoid strong acids, acid chlorides and acid anhydrides..

continued...

GRANOSITE GRANORENDER RANGE (DRY MIX)

Chemwatch Independent Material Safety Data Sheet
Issue Date: 16-Feb-2009
XC9317EC

CHEMWATCH 8063-99
Version No:7
CD 2009/3 Page 3 of 5
Section 7 - HANDLING AND STORAGE

STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

| Source | Material | TWA mg/m ³ | Notes |
|------------------------------|---------------------------------------|-----------------------|------------------|
| Australia Exposure Standards | portland cement (Portland cement (a)) | 10 | (see Chapter 14) |

The following materials had no OELs on our records

- graded sand: CAS:14808- 60- 7

PERSONAL PROTECTION

RESPIRATOR

Particulate

EYE

- Chemical goggles.
- Full face shield may be required for supplementary but never for primary protection of eyes.

HANDS/FEET

■ NOTE:

- The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.

- Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.

Suitability and durability of glove type is dependent on usage. Factors such as:

- frequency and duration of contact,
- chemical resistance of glove material,.

Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present.

- polychloroprene
- nitrile rubber.

OTHER

- Overalls.
- P.V.C. apron.

ENGINEERING CONTROLS

- General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Grey cement-type powder with a mild cement-like odour.

PHYSICAL PROPERTIES

Solid.

Does not mix with water.

Sinks in water.

Alkaline.

Molecular Weight: Not applicable
Specific Gravity (water=1): 3.0 approx
pH (1% solution): Not available

Evaporation Rate: Not applicable
Lower Explosive Limit (%): Not applicable
Decomposition Temp (°C): Not available

Boiling Range (°C): Not applicable

Solubility in water (g/L):

Immiscible

Vapour Pressure (kPa): Not applicable

Relative Vapour Density (air=1): Not applicable

Upper Explosive Limit (%): Not applicable

State: Divided solid

Melting Range (°C): Not available
pH (as supplied): 12

Volatile Component (%vol): Nil

Flash Point (°C): Not applicable

Autoignition Temp (°C): Not applicable

Viscosity: Not Available

continued...

GRANOSITE GRANORENDER RANGE (DRY MIX)

Chemwatch Independent Material Safety Data Sheet
Issue Date: 16-Feb-2009
XC9317EC

CHEMWATCH 8063-99
Version No:7
CD 2009/3 Page 4 of 5

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.

For incompatible materials - refer to Section 7 - Handling and Storage.

Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

- Causes burns.
- Risk of serious damage to eyes.

CHRONIC HEALTH EFFECTS

- Not applicable.

TOXICITY AND IRRITATION

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

■ Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.

PORTLAND CEMENT:

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

■ Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.

GRADED SAND:

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

- No data of toxicological significance identified in literature search.

CARCINOGEN

Silica, crystalline
(inhaled in the form of
quartz or cristobalite
from occupational
sources)

International Agency
for Research on Cancer
(IARC) - Agents
Reviewed by the IARC
Monographs

Group

1

Section 12 - ECOLOGICAL INFORMATION

No data

Ecotoxicity Ingredient

Granosite Granorender Range (Dry
Mix)
portland cement
graded sand

Persistence:
Water/Soil

Persistence:
Air

No data

No data

No data

Bioaccumulat
ion

Mobility

Section 13 - DISPOSAL CONSIDERATIONS

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM: None (ADG6)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

continued...

GRANOSITE GRANORENDER RANGE (DRY MIX)

Chemwatch Independent Material Safety Data Sheet
Issue Date: 16-Feb-2009
XC9317EC

CHEMWATCH 8063-99
Version No:7
CD 2009/3 Page 5 of 5

Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: None

REGULATIONS

Regulations for ingredients

portland cement (CAS: 65997-15-1) is found on the following regulatory lists;

"Australia Exposure Standards", "Australia High Volume Industrial Chemical List (HVICL)", "Australia Inventory of Chemical Substances (AICS)", "OECD Representative List of High Production Volume (HPV) Chemicals"

graded sand (CAS: 14808-60-7) is found on the following regulatory lists;

"Australia - New South Wales Hazardous Substances Prohibited for Specific Uses", "Australia - New South Wales Hazardous Substances Requiring Health Surveillance", "Australia - Tasmania Hazardous Substances Prohibited for Specified Uses", "Australia - Tasmania Hazardous Substances Requiring Health Surveillance", "Australia - Western Australia Hazardous Substances Requiring Health Surveillance", "Australia Hazardous Substances", "Australia Hazardous Substances Requiring Health Surveillance", "Australia High Volume Industrial Chemical List (HVICL)", "Australia Inventory of Chemical Substances (AICS)", "Australia Occupational Health and Safety (Commonwealth Employment) (National Standards) Regulations 1994 - Hazardous Substances Requiring Health Surveillance", "International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs", "OECD Representative List of High Production Volume (HPV) Chemicals"

No data for Granosite Granorender Range (Dry Mix) (CW: 8063-99)

Section 16 - 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.

A list of reference resources used to assist the committee may be found at:

www.chemwatch.net/references.

■ 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.

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.

Issue Date: 16-Feb-2009
Print Date: 17-Feb-2010

This is the end of the MSDS.