

Safety Data Sheet according to WHS Regulations

Printing Date: 02.05.2023

Version Number: 1.1

Revision Date: 02.05.2023

1 Identification

Product identifier:Trade name: MONOKOTE Z-106HY**Relevant identified uses of the substance or mixture, and uses advised against:** No further relevant information available.**Relevant identified uses of the substance or mixture:** Fireproofing.**Identified uses advised against:** No further relevant information available.**Details of the supplier of the safety data sheet:****Manufacturer/supplier:**

GCP Korea Inc.
70B-1L, 301, Cheongneung-daero
Namdong-gu, Incheon, Korea
21633

Tel: (82-32) 820-0800

Fax: (82-32) 820-0801

Supplier:

GCP Australia Pty. Ltd.
14 Colebard Street West
Archerfield, Queensland 4108
Australia

Tel: 1800 334 444

Fax: +61 7-3275-7801

Further information obtainable from: APMSDS@gcpat.com**Emergency telephone number:** After hours - Tel. No. 1800 039 008

2 Hazard(s) Identification

Classification of the substance or mixture:

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Carc. 1A H350 May cause cancer.

STOT SE 3 H335 May cause respiratory irritation.

STOT RE 2 H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

Label elements:**GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).**Hazard pictograms**

GHS05

GHS07

GHS08

Signal word Danger**Hazard-determining components of labelling:**

Portland cement

Quartz (SiO₂)**Hazard statements**

Causes severe skin burns and eye damage.

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May cause an allergic skin reaction.

May cause cancer.

May cause respiratory irritation.

May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

Precautionary statements

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust.

Wash thoroughly after handling.

In case of inadequate ventilation wear respiratory protection.

Wear protective gloves/protective clothing/eye protection.

Dispose of contents container in accordance with all applicable regulations.

If swallowed, rinse mouth. Do not induce vomiting. Call a poison center or doctor/physician if you feel unwell.

If on Skin, wash with plenty of soap and water. Wash contaminated clothing before reuse.

If inhaled, get medical advice/attention if you feel unwell.

If in eyes, remove contact lenses, if present and easy to do so. Rinse cautiously with water for several minutes.

If eye irritation persists: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention.

Additional information:

Avoid breathing dust

This product should be handled with care to avoid dust generation.

Information concerning particular hazards for human and environment:

Description of Classification: Classified as hazardous according to the criteria of Safe Work Australia.

Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

3 Composition and Information on Ingredients

Chemical characterization: Mixture:

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:

| | | | |
|------------|----------------------------|--|-----------|
| 65997-15-1 | Portland cement | Skin Corr. 1A, H314; Eye Dam. 1, H318 Skin Sens. 1, H317; STOT SE 3, H335 | 50-<100% |
| 14808-60-7 | Quartz (SiO ₂) | Carc. 1A, H350; STOT RE 1, H372 | <2% |
| 18540-29-9 | Hexavalent chromium | | 0.1-<0.3% |

Additional information:

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication 'List of Designated Hazardous Substances' or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication 'Approved Criteria for Classifying Hazardous Substances'.

4 First Aid Measures

Description of first aid measures:

General information: Get medical advice/attention if you feel unwell.

After inhalation: If breathing has stopped, give artificial respiration then oxygen if needed.

After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

Wet cement may cause skin irritation or burns.

Seek immediate medical advice.

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After eye contact:

Rinse cautiously with water for several minutes.
Seek immediate medical advice.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.
Rinse out mouth and then drink plenty of water.

Information for doctor:

Most important symptoms and effects, both acute and delayed: May cause sensitisation by skin contact.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire Fighting Measures

Extinguishing media:

Suitable extinguishing agents: The product will not burn.

Special hazards arising from the substance or mixture: No further relevant information available.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.
Avoid formation of dust.

Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up:

Sweep up spilled product into receptacles.
Avoid formation of dust.
Protective work clothing.
Vacuuming or wet sweeping may be used to avoid dust dispersal.

Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

HANDLING**Precautions for safe handling:**

Risk of serious damage to eyes.

Do not breathe dust.

Fit dust covers to mixers.

Prior to welding or cutting, Monokote must be removed from steel surfaces likely to be exposed to excessive heating.
Danger of wet slippery surfaces.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities:**STORAGE**

Information about storage in one common storage facility: No special measures required.

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Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

Specific end use(s): No further relevant information available.

8 Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters:

Ingredients with limit values that require monitoring at the workplace:

65997-15-1 Portland cement

| | |
|---------------------|---|
| WES (Australia) | Long-term value: 10 mg/m ³ |
| WEL (Great Britain) | Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust |
| PEL (USA) | Long-term value: 50 mppcf or 15* 5** mg/m ³ *total dust **respirable fraction |
| REL (USA) | Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction |
| TLV (USA) | Long-term value: 1* mg/m ³ E; *as respirable fraction, A4 |

14808-60-7 Quartz (SiO₂)

| | |
|---------------------|--|
| WES (Australia) | Long-term value: 0.05 mg/m ³ respirable dust |
| WEL (Great Britain) | Long-term value: 0.1 mg/m ³ |
| PEL (USA) | Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /%SiO ₂ +2 |
| REL (USA) | Long-term value: 0.05* mg/m ³ *respirable dust |
| TLV (USA) | Long-term value: 0.025* mg/m ³ *respirable particulate matter, A2 |

Additional information: Based on the lists valid at the date of SDS creation.

Exposure controls:

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, eg. by isolating personnel from dusty areas. Remove and wash soiled clothing.

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Store protective clothing separately.

The usual precautionary measures for handling chemicals should be followed.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands:



Alkaline resistant gloves

Material of gloves:

Gloves should be impermeable and resistant to the product. Selection of material should be considered before use.

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Nitrile rubber.

Eye protection:

Safety glasses with side shield protection.

Tightly sealed goggles.

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapour mist concentrations, tightly sealed goggles should be worn.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

9 Physical and Chemical Properties

Information on basic physical and chemical properties:
GENERAL INFORMATION**Appearance:**

| | |
|-------------------------|-------------------------------------|
| Form: | Powder. |
| Colour: | According to product specification. |
| Odour: | Characteristic. |
| Odour threshold: | Not determined. |

pH-value (~): Not applicable.

Change in conditions:-

| | |
|---|-----------------|
| Melting point/freezing point: | Undetermined. |
| Initial boiling point and boiling range: | Not determined. |
| Flash point: | Not applicable. |

Flammability (solid, gas): Not determined.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

EXPLOSION LIMITS

| | |
|---------------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

Vapour pressure: Not applicable.

Density: Not determined.

Vapour density: Not determined.

Solubility in/Miscibility with:-

Water: Insoluble.

Partition coefficient: n-octanol/water: Not determined.

VISCOSITY

| | |
|-------------------------|-----------------|
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| Molecular weight | Not determined. |

Other information: No further relevant information available.

10 Stability and Reactivity

Reactivity:

Stable under normal conditions.

No further relevant information available.

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Chemical stability:**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Possibility of hazardous reactions**

No dangerous reactions known.

No further relevant information available.

Conditions to avoid: No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

Cutting or welding may generate Sulfur dioxide.

11 Toxicological Information**Information on toxicological effects:****ACUTE TOXICITY****Primary irritant effect****Skin corrosion/irritation** Causes severe skin burns and eye damage.**Serious eye damage/irritation** Causes serious eye damage.**Inhalation:** May cause respiratory irritation.**Respiratory or skin sensitisation** Sensitisation possible through skin contact.**Additional toxicological information:**

May cause cancer.

May causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

Cement cementitious grouts and mortars are known to cause both irritant and allergic contact dermatitis. Prolonged skin contact can result in chemical burns.

Prolonged exposure may cause risk of lung disease (i.e. silicosis and/or lung cancer).

Other information :

The product was classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological Information**Toxicity:****AQUATIC TOXICITY** No further relevant information available.**Persistence and degradability:** No further relevant information available.**BEHAVIOUR IN ENVIRONMENTAL SYSTEMS****Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.**ADDITIONAL ECOLOGICAL INFORMATION****General notes:** Must not reach sewage water or drainage ditch undiluted or unneutralised.**Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects:** No further relevant information available.

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13 Disposal considerations

Waste treatment methods:

Recommendation:



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Refer to State Land Waste Authority for disposal considerations.

UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

14 Transport information

| | |
|-------------------------------------|---------------|
| UN-Number ADR, IMDG, IATA | Not Regulated |
|-------------------------------------|---------------|

| | |
|---|---------------|
| UN proper shipping name ADR, IMDG, IATA | Not Regulated |
|---|---------------|

| | |
|--|---------------|
| Transport hazard class(es) ADR, ADN, IMDG, IATA Class | Not Regulated |
|--|---------------|

| | |
|---|---------------|
| Packing group ADR, IMDG, IATA | Not Regulated |
|---|---------------|

| | |
|-------------------------------|-----------------|
| Environmental hazards: | Not applicable. |
|-------------------------------|-----------------|

| | |
|--------------------------------------|-----------------|
| Special precautions for user: | Not applicable. |
|--------------------------------------|-----------------|

| | |
|---|---------------|
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not Regulated |
|---|---------------|

15 Regulatory information

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

See Section 2 for hazard identification.

Australia: Priority Existing Chemicals

None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations: All ingredients are listed on AICS.

Registered in the international inventory lists: AICS (Australia)

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

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H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.

Department issuing SDS:

EHS Department,
Asia Pacific Region
SCIP, Canlubang, Calamba City, Laguna
Philippines 4028
Tel: +63 (02) 8236-6820 to 24

Contact:**The first date of preparation:** 02.05.2023**Number of revision times and the latest revision date:** 1.1 / 02.05.2023**Sources:** Raw material suppliers' safety data sheets were used as key data sources in the preparation of this safety data sheet.

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