



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
GHS: The Globally Harmonized System of Classification and Labeling of Chemicals

**MARLEY GOLD CEMENT**  
Revision Number 1.04

**Revision date** 18-Apr-2023  
**Supersedes Date:** 10-Jun-2021

## Section 1: Identification

### Product identifier

**Product Name** MARLEY GOLD CEMENT

### Other means of identification

### Recommended use of the chemical and restrictions on use

**Recommended use** Adhesives

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Supplier

Bostik New Zealand Limited  
19 Eastern Hutt Road Wingate,  
Lower Hutt, New Zealand  
Tel: 04-567 5119  
Fax: 04-567 5412

#### Manufacturer

Bostik New Zealand Limited  
19 Eastern Hutt Road Wingate,  
Lower Hutt, New Zealand  
Tel: 04-567 5119  
Fax: 04-567 5412

**E-mail address** SDS.AP@Bostik.com

### Emergency telephone number

**Emergency Telephone** 24 Hr: 0800 243 622  
International +64 4 917 9888  
Poison Centre : 0800 764 766

## Section 2: Hazard identification

### GHS Classification

|                                                         |                          |
|---------------------------------------------------------|--------------------------|
| <b>Flammable liquids</b>                                | Category 2 (HSNO - 3.1B) |
| <b>Skin corrosion/irritation</b>                        | Category 2 (HSNO - 6.3A) |
| <b>Serious eye damage/eye irritation</b>                | Category 1 (HSNO - 8.3A) |
| <b>Skin sensitization</b>                               | Category 1 (HSNO - 6.5B) |
| <b>Specific target organ toxicity (single exposure)</b> | Category 3 (HSNO - 6.9B) |

### Label elements



**Signal word**  
Danger

### **Hazard statements**

H225 - Highly flammable liquid and vapor  
H315 - Causes skin irritation

# SAFETY DATA SHEET

MARLEY GOLD CEMENT  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H336 - May cause drowsiness or dizziness

## Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves/clothing and eye/face protection  
Use only outdoors or in a well-ventilated area  
Ground and bond container and receiving equipment  
Use non-sparking tools  
Take action to prevent static discharges  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Keep cool  
Use explosion-proof electrical/ ventilating/ lighting/ equipment

## Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a doctor

## Skin

If skin irritation or rash occurs: Get medical advice/attention  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]  
Wash contaminated clothing before reuse

## Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Call a doctor if you feel unwell

## Fire

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

## Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed  
Store locked up

## Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

## Other hazards which do not result in classification

In use, may form flammable/explosive vapor-air mixture.

## Section 3: Composition/information on ingredients

| Chemical name                                    | CAS No     | Weight-% |
|--------------------------------------------------|------------|----------|
| Methyl ethyl ketone                              | 78-93-3    | >60      |
| Cyclohexanone                                    | 108-94-1   | 10 - <30 |
| Acetone                                          | 67-64-1    | <10      |
| Silica, amorphous                                | 7631-86-9  | <10      |
| Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW | 25068-38-6 | <10      |

|                           |             |         |
|---------------------------|-------------|---------|
| Non-hazardous ingredients | Proprietary | Balance |
|---------------------------|-------------|---------|

## Section 4: First-aid measures

### Description of first aid measures

#### General advice

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

#### Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.

# SAFETY DATA SHEET

MARLEY GOLD CEMENT  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

|                                    |                                                                                                                                                                                                                                                                                                                |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.                                                      |
| Skin contact                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.                                                                                               |
| Ingestion                          | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.                                                                                                                                                                                                  |
| Self-protection of the first aider | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. |

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

|          |                                                                                                                                                                 |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms | Burning sensation. Itching. Rashes. Hives. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Indication of any immediate medical attention and special treatment needed

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Note to physicians | May cause sensitization in susceptible persons. Treat symptomatically. |
|--------------------|------------------------------------------------------------------------|

## Section 5: Fire-fighting measures

### Suitable Extinguishing Media

|                              |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| Suitable Extinguishing Media | Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam. |
|------------------------------|---------------------------------------------------------------------------------------|

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Large Fire | CAUTION: Use of water spray when fighting fire may be inefficient. |
|------------|--------------------------------------------------------------------|

|                                |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. |
|--------------------------------|-------------------------------------------------------------------|

### Specific hazards arising from the chemical

|                                            |                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specific hazards arising from the chemical | Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact. |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| Hazardous combustion products | Carbon oxides. Hydrogen chloride. Silicon dioxide. |
|-------------------------------|----------------------------------------------------|

### Special protective actions for fire-fighters

|                                                                |                                                                                                 |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Special protective equipment and precautions for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions | Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# SAFETY DATA SHEET

MARLEY GOLD CEMENT  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

## Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

## Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## Precautions to prevent secondary hazards

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## **Section 7: Handling and storage**

### Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Protect from moisture.

**Recommended storage temperature** Keep at temperatures between 41 and 77 °F / 5 and 25 °C.

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

## **Section 8: Exposure controls/personal protection**

### Control parameters

# SAFETY DATA SHEET

**MARLEY GOLD CEMENT**  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

## Exposure Limits

| Chemical name                  | New Zealand                                                                                   | ACGIH TLV                         | United Kingdom                                                                                                                                                                   | Australia                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Methyl ethyl ketone<br>78-93-3 | TWA: 150 ppm<br>TWA: 445 mg/m <sup>3</sup><br>STEL: 300 ppm<br>STEL: 890 mg/m <sup>3</sup>    | STEL: 300 ppm<br>TWA: 200 ppm     | TWA: 200 ppm<br>TWA: 600 mg/m <sup>3</sup><br>STEL: 300 ppm<br>STEL: 899 mg/m <sup>3</sup><br>Sk*                                                                                | TWA: 150 ppm<br>TWA: 445 mg/m <sup>3</sup><br>STEL: 300 ppm<br>STEL: 890 mg/m <sup>3</sup>    |
| Cyclohexanone<br>108-94-1      | TWA: 25 ppm<br>TWA: 100 mg/m <sup>3</sup><br>Skin                                             | STEL: 50 ppm<br>TWA: 20 ppm<br>S* | TWA: 10 ppm<br>TWA: 41 mg/m <sup>3</sup><br>STEL: 20 ppm<br>STEL: 82 mg/m <sup>3</sup><br>Sk*                                                                                    | TWA: 25 ppm<br>TWA: 100 mg/m <sup>3</sup>                                                     |
| Acetone<br>67-64-1             | TWA: 500 ppm<br>TWA: 1185 mg/m <sup>3</sup><br>STEL: 1000 ppm<br>STEL: 2375 mg/m <sup>3</sup> | STEL: 500 ppm<br>TWA: 250 ppm     | TWA: 500 ppm<br>TWA: 1210 mg/m <sup>3</sup><br>STEL: 1500 ppm<br>STEL: 3620 mg/m <sup>3</sup>                                                                                    | TWA: 500 ppm<br>TWA: 1185 mg/m <sup>3</sup><br>STEL: 1000 ppm<br>STEL: 2375 mg/m <sup>3</sup> |
| Silica, amorphous<br>7631-86-9 | TWA: 0.05 mg/m <sup>3</sup>                                                                   | -                                 | TWA: 6 mg/m <sup>3</sup><br>TWA: 2.4 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup><br>STEL: 18 mg/m <sup>3</sup><br>STEL: 7.2 mg/m <sup>3</sup><br>STEL: 0.3 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup>                                                                      |

## Biological occupational exposure limits

| Chemical name                  | New Zealand                              | ACGIH                                                                                                                                                   |
|--------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methyl ethyl ketone<br>78-93-3 | 2 mg/L - urine (MEK) - end of shift      | 2 mg/L - urine (MEK) - end of shift                                                                                                                     |
| Cyclohexanone<br>108-94-1      | -                                        | 80 mg/L - urine (1,2-Cyclohexanediol with hydrolysis) - end of shift at end of workweek<br>8 mg/L - urine (Cyclohexanol with hydrolysis) - end of shift |
| Acetone<br>67-64-1             | 50 mg/L - urine (Acetone) - end of shift | 25 mg/L - urine (Acetone) - end of shift                                                                                                                |

## Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eyeface protection** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

**Physical state** Liquid

# SAFETY DATA SHEET

MARLEY GOLD CEMENT  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

Appearance Paste Liquid  
Color Amber  
Odor Solvent.  
Odor threshold No information available

| <u>Property</u>                         | <u>Values</u>             | <u>Remarks • Method</u>           |
|-----------------------------------------|---------------------------|-----------------------------------|
| pH                                      | No data available         | Not applicable Insoluble in water |
| Melting point / freezing point          | No data available         | None known                        |
| Initial boiling point and boiling range | 66 °C                     |                                   |
| Flash point                             | -15 °C                    |                                   |
| Evaporation rate                        | No data available         | None known                        |
| Flammability                            | No data available         | None known                        |
| Flammability Limit in Air               |                           | None known                        |
| Upper flammability or explosive limits  | 10.9                      |                                   |
| Lower flammability or explosive limits  | 1.7                       |                                   |
| Vapor pressure                          | No data available         | None known                        |
| Relative vapor density                  | No data available         | None known                        |
| Relative density                        | No data available         | None known                        |
| Water solubility                        | Partially soluble         |                                   |
| Solubility(ies)                         | No data available         | None known                        |
| Partition coefficient                   | No data available         | None known                        |
| Autoignition temperature                | 321 °C                    |                                   |
| Decomposition temperature               |                           | None known                        |
| Kinematic viscosity                     | No data available         | None known                        |
| Dynamic viscosity                       | No data available         |                                   |
| Explosive properties                    | No information available. |                                   |
| Oxidizing properties                    | No information available. |                                   |
| <u>Other information</u>                |                           |                                   |
| Softening Point                         | No information available  |                                   |
| Molecular weight                        | No information available  |                                   |
| VOC content                             | No information available  |                                   |
| Liquid Density                          | 1.0                       |                                   |
| Bulk density                            | No information available  |                                   |
| Particle characteristics                |                           |                                   |

## Section 10: Stability and reactivity

### Reactivity

Reactivity No information available.

### Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

### Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### Conditions to avoid

Conditions to avoid Heat, flames and sparks. Protect from moisture.

# SAFETY DATA SHEET

MARLEY GOLD CEMENT  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

## Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

## Hazardous decomposition products

**Hazardous decomposition products** None known based on information supplied.

## Section 11: Toxicological information

### Acute toxicity

### Information on likely routes of exposure

#### Product Information

|                     |                                                                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.                                                                                                     |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.                                                                                                                 |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation. |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.                                                                                                   |

**Symptoms** Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

### Acute toxicity

**Numerical measures of toxicity**  
No information available

The following values are calculated based on chapter 3.1 of the GHS document

|                                      |                 |
|--------------------------------------|-----------------|
| <b>ATEmix (oral)</b>                 | 11,364.10 mg/kg |
| <b>ATEmix (dermal)</b>               | 8,143.70 mg/kg  |
| <b>ATEmix (inhalation-gas)</b>       | >20000 ppm      |
| <b>ATEmix (inhalation-vapor)</b>     | 81.437 mg/l     |
| <b>ATEmix (inhalation-dust/mist)</b> | 11.10 mg/l      |

#### Component Information

| Chemical name                                       | Oral LD50                                  | Dermal LD50                          | Inhalation LC50         |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------|-------------------------|
| Methyl ethyl ketone                                 | =2483 mg/kg (Rattus)                       | = 5000 mg/kg (Oryctolagus cuniculus) | =11700 ppm (Rattus) 4 h |
| Cyclohexanone                                       | =1535 mg/kg (Rattus)                       | = 947 mg/kg (Oryctolagus cuniculus)  | =8000 ppm (Rattus) 4 h  |
| Acetone                                             | =5800 mg/kg (Rattus)<br>3000 mg/Kg (mouse) | >15800 mg/Kg (Rattus)                | =79 mg/l(Rattus) 4 h    |
| Silica, amorphous                                   | =7900 mg/kg (Rattus)                       | > 5000 mg/kg (Oryctolagus cuniculus) | >2.2 mg/L (Rattus) 1 h  |
| Bisphenol-A-Epichlorhydrin<br>Epoxy resin <= 700 MW | LD50 (Rattus) > 2000 mg/kg<br>OECD 420     | >2000 mg/Kg (Rattus)                 | -                       |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

# SAFETY DATA SHEET

**MARLEY GOLD CEMENT**  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes burns. Causes serious eye damage.

Component Information  
Methyl ethyl ketone (78-93-3)

| Method                                            | Species | Exposure route | Effective dose | Exposure time | Results  |
|---------------------------------------------------|---------|----------------|----------------|---------------|----------|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | eye            |                |               | irritant |

Acetone (67-64-1)

| Method                                            | Species | Exposure route | Effective dose | Exposure time | Results  |
|---------------------------------------------------|---------|----------------|----------------|---------------|----------|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | eye            |                |               | irritant |

**Respiratory or skin sensitization** May cause an allergic skin reaction.

Methyl ethyl ketone (78-93-3)

| Method                                | Species    | Exposure route | Results                                  |
|---------------------------------------|------------|----------------|------------------------------------------|
| OECD Test No. 406: Skin Sensitization | Guinea pig | Dermal         | No sensitization responses were observed |

Acetone (67-64-1)

| Method                                | Species    | Exposure route | Results               |
|---------------------------------------|------------|----------------|-----------------------|
| OECD Test No. 406: Skin Sensitization | Guinea pig | Dermal         | Not a skin sensitizer |

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

## Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name                 | New Zealand | IARC    |
|-------------------------------|-------------|---------|
| Cyclohexanone - 108-94-1      | -           | Group 3 |
| Silica, amorphous - 7631-86-9 | -           | Group 3 |

## Legend

**IARC (International Agency for Research on Cancer)**  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT - single exposure** May cause drowsiness or dizziness. May cause respiratory irritation. Classification based on data available for ingredients.

**Respiratory irritation** No information available.

**Narcotic effects** Narcotic effects.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

# SAFETY DATA SHEET

MARLEY GOLD CEMENT  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

## Section 12: Ecological information

### Ecotoxicity

#### Ecotoxicity

#### Aquatic ecotoxicity

**Unknown aquatic toxicity** 0.001 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

| Chemical name                                       | Algae/aquatic plants                                                     | Fish                                                           | Crustacea                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------|
| Methyl ethyl ketone                                 | EC50=1972 mg/l<br>(Pseudokirchneriella subcapitata)                      | LC50: 3130 - 3320mg/L (96h,<br>Pimephales promelas)            | EC50 48 h > 308 mg/L (Daphnia magna)                   |
| Cyclohexanone                                       | EC50: =20mg/L (96h, Chlorella vulgaris)                                  | LC50 96 h 481 - 578 mg/L<br>(Pimephales promelas flow-through) | EC50: =800mg/L (24h, Daphnia magna)                    |
| Acetone                                             | -                                                                        | LC50 96 h 4.74 - 6.33 mL/L<br>(Oncorhynchus mykiss)            | EC50 48 h 10294 - 17704 mg/L<br>(Daphnia magna Static) |
| Silica, amorphous                                   | EC50: =440mg/L (72h,<br>Pseudokirchneriella subcapitata)                 | LC50: =5000mg/L (96h,<br>Brachydanio rerio)                    | EC50: =7600mg/L (48h,<br>Ceriodaphnia dubia)           |
| Bisphenol-A-Epichlorhydrin<br>Epoxy resin <= 700 MW | EC50 (72h) = 9.4 mg/L<br>(Scenedesmus capricornutum)<br>EPA-660/3-75-009 | 1.2 mg/l 96Hr (Oncorhynchus mykiss)                            | 2.7 mg/l 48hr Daphia Magna                             |

### Terrestrial ecotoxicity

| Chemical name | Earthworm                                                                               | Avian                                                                                                                                       | Honeybees |
|---------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Acetone       | Acute Toxicity: LC50 200 - 1000 µg/cm <sup>2</sup> (Eisenia foetida, 48 h filter paper) | Dietary Toxicity: LC50 > 40000 ppm (Phasianus colchicus, 5 Days)<br>Dietary Toxicity: LC50 > 40000 ppm (Coturnix coturnix japonica, 5 Days) | -         |

**Persistence and degradability** No information available.

Methyl ethyl ketone (78-93-3)

| Method                                                                    | Exposure time | Value          | Results                    |
|---------------------------------------------------------------------------|---------------|----------------|----------------------------|
| OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D) | 28 days       | biodegradation | 98 % Readily biodegradable |

Acetone (67-64-1)

| Method                                                                                | Exposure time | Value          | Results                    |
|---------------------------------------------------------------------------------------|---------------|----------------|----------------------------|
| OECD Test No. 301B: Ready Biodegradability: CO <sub>2</sub> Evolution Test (TG 301 B) | 28 days       | biodegradation | 91 % Readily biodegradable |

Silica, amorphous (7631-86-9)

| Method | Exposure time | Value | Results                                                                                 |
|--------|---------------|-------|-----------------------------------------------------------------------------------------|
|        |               |       | The methods for determining biodegradability are not applicable to inorganic substances |

### Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

# SAFETY DATA SHEET

MARLEY GOLD CEMENT  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

## Component Information

| Chemical name                                    | Partition coefficient |
|--------------------------------------------------|-----------------------|
| Methyl ethyl ketone                              | 0.3                   |
| Cyclohexanone                                    | 1.05                  |
| Acetone                                          | -0.24                 |
| Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW | 3.26                  |

## Mobility in soil

## Other adverse effects

## Section 13: Disposal considerations

### Disposal methods

#### Waste from residues/unused products

Dispose of product in packaging in a way that is consistent with the EPA Consolidation 30 April 2021 of the Hazardous Substances (Disposal) Notice 2017 and the Act. Treat the substance using a method that changes the characteristics or composition of the substance so that the substance is no longer a hazardous substance; or export the substance from New Zealand as waste. Flammable substances - may not be disposed of into or onto a landfill or sewage facility.  
They may only be burnt in certain situations.  
Flammable gases, liquids and solids may only be discharged into the environment or landfill as waste if the substance will not at any time come into contact with any explosives, oxidising gases, liquids or solids or organic peroxides; and there will be no ignition source in the vicinity of the disposal site at any time and if the substance were to ignite, no person, or place where a person may legally be, would be exposed to an unsafe level of heat radiation. Substances which are hazardous to human health or corrosive to metals – may be discharged into the environment if a tolerable exposure limit has been set for the substance (or a component of that substance); and the discharge does not, after reasonable mixing, result in the concentration of the substance in an environmental medium exceeding the tolerable exposure limit. If there is no tolerable exposure limit for the substance, then it may only be discharged into the environment if the substance is very rapidly converted to substances that are not hazardous substances.

#### Contaminated packaging

For packages that have been in direct contact with hazardous substances, the person must ensure that the package is rendered incapable of containing any substance. It must be disposed of in a manner that is consistent with the requirements for disposal of the substance that it contained, taking into account the material the package is manufactured from. Packages may only be reused or recycled if:

- the substance has a physical hazard other than corrosive to metal, and has been treated to remove any residual contents of the hazardous substance;
- or for substances that have a health or environmental hazard, or corrosive to metal, the contents of the residue in the package are below the threshold for the substance to be classified as hazardous in the Hazardous Substances (Hazard Classification) Notice 2020.

## Section 14: Transport information

### IATA

|                            |           |
|----------------------------|-----------|
| UN number or ID number     | UN1133    |
| UN proper shipping name    | Adhesives |
| Transport hazard class(es) | 3         |
| Packing group              | II        |
| Special Provisions         | A3        |

# SAFETY DATA SHEET

MARLEY GOLD CEMENT  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

Description UN1133, Adhesives, 3, II

**IMDG**

UN number or ID number UN1133  
UN proper shipping name Adhesives  
Transport hazard class(es) 3  
Packing group II  
EmS-No. F-E, S-D  
Marine pollutant NP  
Description UN1133, Adhesives, 3, II, (-15°C c.c.)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
No information available

**ADR**

UN number or ID number UN1133  
UN proper shipping name Adhesives  
Transport hazard class(es) 3  
Labels 3  
Packing group II  
Description UN1133, Adhesives, 3, II, (D/E)  
Limited quantity (LQ) 5 L  
Special Provisions 640C  
Classification code F1  
Tunnel restriction code (D/E)

## Section 15: Regulatory information

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

#### New Zealand

ERMA Group HSR002662

| Chemical name                                                 | New Zealand HSNO Chemical Classification                                                                                                                                                                                                                                     |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methyl ethyl ketone - 78-93-3                                 | Flam. Liq. 2 (H225)<br>Flam. Liq. 2 (H225) >50% in a non hazardous diluent<br>Eye Irrit. 2 (H319)<br>Eye Irrit. 2 (H319) >50% in a non hazardous diluent<br>STOT RE 2 (H373)<br>STOT RE 2 (H373) >50% in a non hazardous diluent                                             |
| Cyclohexanone - 108-94-1                                      | Flam. Liq. 3 (H226)<br>Acute Tox. 4 Oral (H302)<br>Acute Tox. 3 Dermal (H311)<br>Eye Irrit. 2 (H319)                                                                                                                                                                         |
| Acetone - 67-64-1                                             | Flam. Liq. 2 (H225)<br>Flam. Liq. 2 (H225) >60% in a non hazardous diluent<br>Flam. Liq. 2 (H225) >10-60% in a non hazardous diluent<br>Eye Irrit. 2 (H319)<br>Eye Irrit. 2 (H319) >60% in a non hazardous diluent<br>Eye Irrit. 2 (H319) >10-60% in a non hazardous diluent |
| Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW - 25068-38-6 | Eye Irrit. 2 (H319)<br>Skin Sens. 1 (H317)<br>STOT RE 2 (H373)<br>Aquatic Chronic 2 (H411)                                                                                                                                                                                   |

National regulations There are no applicable tolerable exposure limits or environmental exposure limits according to the EPA Controls for Hazardous Substances

Certified handlers, tracking and Certified handlers are required for some substances. This includes substances requiring

# SAFETY DATA SHEET

MARLEY GOLD CEMENT  
Revision Number 1.04

Revision date 18-Apr-2023  
Supersedes Date: 10-Jun-2021

## controlled substance license requirements

a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information  
Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information  
Controlled substance licenses are required to possess certain explosives, vertebrate toxic agents and fumigants. See Part 7 of the Health and Safety at Work Regulation 2017 for more information

## EPA New Zealand HSNO approval code or group standard

## International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

## Europe

## Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

### SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Section 16: Other information

Revision date 18-Apr-2023

### Revision Note

\*\*\*Indicates updated data since last publication.

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| C       | Carcinogen                  |      |                                  |

### Key literature references and sources for data used to compile the SDS

EPA (Environmental Protection Agency)  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
World Health Organization

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet