

## Safety Data Sheet

### MAPECEM QUICK PATCH

Safety Data Sheet dated: 15/06/2018 - version 1

Date of first edition: 15/06/2018



## 1. Identification

### GHS Product identifier

Mixture identification:

Trade name: MAPECEM QUICK PATCH

Trade code: 1834

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

Recommended use: Concrete Patch

Uses advised against: no data available

### Supplier's details

Company: MAPEI AUSTRALIA Pty Ltd

180 Viking Drive Wacol QLD 4076 Australia

T. +61 7 32765000 (Mon-Fri 8am to 4.30pm)

F. +61 7 32765076

### Emergency phone number

Australian Poisons Information Centre 24 Hour Service 13 11 26

Police or Fire Brigade 000

## 2. Hazard identification



### Classification of the Hazardous chemical

|               |  |
|---------------|--|
| Skin Irrit. 2 | Causes skin irritation.  |
| Eye Irrit. 2A | Causes serious eye irritation.   |
| Skin Sens. 1  | May cause an allergic skin reaction.                                       |
| STOT RE 1     | Causes damage to organs through prolonged or repeated exposure if inhaled. |

Adverse physicochemical, human health and environmental effects:

No other hazards

### GHS label elements, including precautionary statements

#### Pictograms and Signal Words



Danger

#### Hazard statements:

|      |  |
|------|--|
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.                                       |
| H319 | Causes serious eye irritation.   |
| H372 | Causes damage to organs through prolonged or repeated exposure if inhaled. |

#### Precautionary statements:

|                |  |
|----------------|--|
| P260           | Do not breathe dust.   |
| P264           | Wash hands thoroughly after handling.  |
| P270           | Do not eat, drink or smoke when using this product.  |
| P272           | Contaminated work clothing should not be allowed out of the workplace.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P314           | Get medical advice/attention if you feel unwell.   |
| P321           | Specific treatment (see supplementary instructions on this label).   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P362           | Take off contaminated clothing and wash before reuse.  |

**Other hazards which do not result in a classification**

Other Hazards: No other hazards

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**3. Composition/information on ingredients****Substances**

no data available

**Mixtures**

Hazardous components within the meaning of the "Australian Work Health and Safety (WHS)" regulation and related classification:

| Quantity | Name            | Ident. Numb.   | Classification   |
|----------|-----------------|----------------|--|
| 50-75 %  | Silica Sand     | CAS:14808-60-7 | STOT RE 1, H372  |
| 1-2.5 %  | Portland cement | CAS:65997-15-1 | STOT SE 3, H335; Eye Dam. 1, H318; Skin Sens. 1, H317; Skin Corr. 1A, H314 |

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**4. First-aid measures****Description of necessary first-aid measures**

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- If breathing is irregular or stopped, administer artificial respiration.
- In case of inhalation, consult a doctor immediately and show him packing or label.

**Symptoms caused by exposure**

Eye irritation

Eye damages

Skin Irritation

Erythema

**Medical attention and special treatment**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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**5. Fire-fighting measures****Suitable extinguishing media**

- None in particular.
- Water.
- Carbon dioxide (CO<sub>2</sub>).

**Specific hazards arising from the chemical**

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.
- Hazardous combustion products: no data available
- Explosive properties: no data available
- Oxidizing properties: no data available

**Special protective equipment and precautions for fire-fighters**

- Use suitable breathing apparatus.
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Move undamaged containers from immediate hazard area if it can be done safely.

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**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

- Wear personal protection equipment.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Provide adequate ventilation.
- Use appropriate respiratory protection.
- See protective measures under point 7 and 8.

**Environmental precautions**

- Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

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## 7. Handling and storage

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

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## 8. Exposure controls/personal protection

### Control parameters – exposure standards, biological monitoring

#### List of components with OEL value

| Component       | OEL Type | Country | Ceiling | Long Term mg/m <sup>3</sup> | Long Term ppm | Short Term mg/m <sup>3</sup> | Short Term ppm | Behaviour | Note  |
|-----------------|----------|---------|---------|-----------------------------|---------------|------------------------------|----------------|-----------|---|
| Silica Sand     | ACGIH    |         |         | 0,025                       |               |                              |                |           | A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis;                             |
| Portland cement | OSHA     |         |         | 15                          |               |                              |                |           |   |
|                 | OSHA     |         |         | 5                           |               |                              |                |           |   |
|                 | ACGIH    |         |         | 1                           |               |                              |                |           | A4 - Not Classifiable as a Human Carcinogen;pulmonary function;respiratory symptoms;asthma; |

### Appropriate engineering controls

no data available

### Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

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## 9. Physical and chemical properties

Color: grey

Appearance: Powder

Odour: Cement like

Odour threshold: no data available

pH in water dispersion: 11.50

Melting point / freezing point: no data available

Initial boiling point and boiling range: no data available

Flash point: no data available

Evaporation rate: no data available

Flammability (Solid, Gas): no data available

Upper/lower flammability or explosive limits: no data available

Vapour pressure: no data available

Vapour density: no data available

Relative density: 2.15 g/cm<sup>3</sup>

Solubility in water: Dispersible  
Solubility in oil: no data available  
Partition coefficient (n-octanol/water): no data available  
Auto-ignition temperature: no data available  
Decomposition temperature: no data available  
Viscosity: no data available  
Specific heat value: no data available  
Saturated vapour concentration: no data available  
Release of invisible flammable vapours and gases: no data available  
Particle size: no data available  
Size distribution: no data available  
Shape and aspect ratio: no data available  
Crystallinity: no data available  
Dustiness: no data available  
Surface area: no data available  
Degree of aggregation or agglomeration, and dispersibility: no data available  
Biodurability or biopersistence: no data available  
Surface coating or chemistry: no data available  
VOC (Volatile Organic Compound) : 0.00 g/l

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## 10. Stability and reactivity

### Reactivity

Stable under normal conditions

### Chemical stability

no data available

### Possibility of hazardous reactions

None.

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

None in particular.

### Hazardous decomposition products

None.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological information on main components of the mixture:

Silica Sand                      a) acute toxicity                      LD50 Oral Rat = 500 mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

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## 12. Ecological information

### Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

#### List of components with eco-toxicological properties

| Quantity | Component   | Ident. Numb.    | Ecotox Infos   |
|----------|-------------|-----------------|--|
| 50-75 %  | Silica Sand | CAS: 14808-60-7 | a) Aquatic acute toxicity : LC50 carp > 10000,00000 mg/L 72h |

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### Other adverse effects

no data available

## 13. Disposal considerations

### Disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

## 14. Transport information

### UN number

N/A

### UN proper shipping name

ADG-Shipping Name: N.A.

ADR-Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

### Transport hazard class(es)

ADG-Class: -

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

### Packing group, if applicable

ADG-Packing Group: N/A

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

### Environmental hazards

ADG-Environmental Pollutant: No

Marine pollutant: No

no data available

### Special precautions for user

no data available

### Additional Information

no data available

### HazChem Code/Emergency Action code

no data available

## 15. Regulatory information

### Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Australian Work Health and Safety (WHS) act and the Code of Practice on preparation of safety data sheets for Hazardous Chemicals.

AICS: all components are listed

## 16. Other information

| Code | Description                              |
|------|--|
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H317 | May cause an allergic skin reaction.     |
| H318 | Causes serious eye damage.               |

- H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H372 Causes damage to organs through prolonged or repeated exposure .  
H372 Causes damage to organs through prolonged or repeated exposure if inhaled.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE: Acute Toxicity Estimate  
BCF: Biological Concentration Factor  
BEI: Biological Exposure Index  
BOD: Biochemical Oxygen Demand  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CAV: Poison Center  
CE: European Community  
CLP: Classification, Labeling, Packaging.  
CMR: Carcinogenic, Mutagenic and Reprotoxic  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DNEL: Derived No Effect Level.  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
ES: Exposure Scenario  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration.  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.