

Trade name E.Mix DP 70

## 1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER

### Product identifier

Trade name E.Mix DP 70

Safety data sheet no.: XXP017499

### Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

**Application of the substance / the mixture** Grouting mortar

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

#### Manufacturer/Supplier:

Saint-Gobain (Singapore) Pte Ltd

2 Venture Drive, #13-18 Vision Exchange, Singapore 608526

Tel: +65 6330 8288 Fax: +65 6363 5988

## 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture



Eye Dam. 1 H318 Causes serious eye damage.



|               |      |                                  |
|---------------|------|----------------------------------|
| Skin Irrit. 2 | H315 | Causes skin irritation           |
| Skin Sens. 1  | H317 | May cause allergic skin reaction |
| STOT SE 3     | H335 | May cause respiratory irritation |

### Label elements

#### GHS label elements

The product is and labelled according to the Globally Harmonised System (GHS).

### Hazard pictograms



Signal word Danger

#### Hazard-determining components of labelling:

cement portland, grey

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**Hazard statements**

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause allergic skin reaction.  
H335 May cause respiratory irritation.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P321 Specific treatment (see on this label).  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

Safety data sheet available on request.  
This Safety Data Sheet is provided by the supplier on a voluntary basis according to the Article 32 of the Regulation (EC) No 1907/2006 (REACH).

**Other hazards**

The product contains silica sand with less than 1% of fine fraction and therefore is not classified as hazardous; however, pay attention when handling and follow the indications relating to personal protective equipment.

**Results of PBT and vPvB assessment**

**PBT:** Does not contain PBT substances.  
**vPvB:** Does not contain vPvB substances.

**3 COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL**

Chemical characterisation: Mixtures

Description: Mixture of substances without any hazardous components

| <b>Dangerous components:</b> |  |          |
|------------------------------|--|----------|
| CAS: 65997-15-1              | Cement Portland, grey  | 25 – 50% |
| EINECS: 266-043-4            | ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335 |          |

**SVHC** Void

**Additional information**

The product contains silica sand composed of quartz (crystalline silica) with a fine fraction below 1%. The respirable fraction has an occupational exposure limit value (cf. section 8). For the wording of the listed hazard phrases refer to section 16.

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#### 4 FIRST AID MEASURES

##### Description of first aid measures

###### General information

No special measures required.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

###### After inhalation

In case of unconsciousness place patient stably in side position for transportation.

###### After skin contact

Generally the product does not irritate the skin.

###### After eye contact

Rinse opened eye for several minutes under running water. Rinse liquid should be tempered (20- 30°C).

###### After swallowing

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

###### Information for doctor

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

No further relevant information available.

###### 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 is not combustible.

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

##### Advice for firefighters

**Protective equipment:** No special measures required.

#### 6 ACCIDENTAL RELEASE MEASURES

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

Avoid formation of dust.

Ensure adequate ventilation.

**Environmental precautions:** No special measures required.

##### Methods and material for containment and cleaning up:

Pick up mechanically.

##### 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.

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## 7 HANDLING AND STORAGE

### Handling

#### Precautions for safe handling

No special measures required.

Provide suction extractors if dust is formed.

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

#### Conditions for safe storage, including any incompatibilities

##### Storage

**Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.

**Information about storage in one common storage facility:** Not required.

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

Protect from humidity and water.

#### 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:

| PNECs  |   |
|--|---|
| <b>CAS: 65996-69-2 Slags, ferrous metal, blast furnace</b> |   |
| Predicted No Effect Concentration                          | 1,000 mg/kgxdwt (earth rating factor)   |
| Predicted No Effect Concentration                          | 500 mg/l (sea water rating factor) 5,000 mg/l (fresh water rating factor)                   |
| CAS No. Designation of material % Type Value Unit          |   |
| <b>CAS: 65997-15-1 cement portland, grey</b>               |   |
| PEL (Malaysia)   | Long-term value: 10 mg/m <sup>3</sup>   |
| PEL (USA)  | Long-term value: 50 mppcf or 15* 5** mg/m <sup>3</sup><br>*total dust **respirable fraction |
| REL (USA)  | Long-term value: 10* 5** mg/m <sup>3</sup><br>*total dust **respirable fraction             |
| TLV (USA)  | Long-term value: 1* mg/m <sup>3</sup><br>E; *as respirable fraction                         |

#### Additional Occupational Exposure Limit Values for possible hazards during processing:

Total inhalable dust: 10 mg/m<sup>3</sup> Respirable dust (< 5 m): 4 mg/m<sup>3</sup>

Quartz respirable dust (< 5 µm) : 0,15 mg/m<sup>3</sup>

#### Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

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### Exposure controls

**Personal protective equipment:**

**General protective and hygienic measures:**

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

### Respiratory protection:

Short term filter device:

Filter P2.

**Protection of hands:** Not required.

**Material of gloves** Nitrile impregnated cotton gloves complying with the standard EN 374-1.

**Eye protection:** Not required.

**Body protection:** Protective work clothing.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

**Form:**

Powder

**Colour:**

Grey

**Odour:**

Uncharacteristic

**Odour threshold:**

Not determined.

**pH-value:**

Alkaline

#### Change in condition

**Melting point/freezing point:**

Undetermined.

**Initial boiling point and boiling range:**

Not applicable

**Flash point:**

Not applicable

**Flammability (solid, gas):**

Product is not flammable.

**Ignition temperature:**

Not determined.

**Decomposition temperature:**

Not determined.

**Auto-ignition temperature:**

Product is not self-igniting.

**Explosive properties:**

Product does not present an explosion hazard.

**Explosion limits:**

**Lower:**

Not determined.

**Upper:**

Not determined.

**Oxidising properties**

Not determined.

**Vapour pressure:**

Not applicable.

**Density at 23 °C:**

1.8 g/cm<sup>3</sup> (DIN 51757)

**Bulk density**

Not determined.

**Relative density**

Not determined.

**Vapour density**

Not applicable.

**Evaporation rate**

Not applicable.

**Solubility in / Miscibility with**

**Water:**

Hardens when in contact with water.

**Segregation coefficient (n-octanol/water) log**

**Pow:**

Not determined.

**Viscosity:**

**dynamic:**

Not applicable.

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**kinematic:** Not applicable.  
**Solvent content:**  
**EU-VOC (%)** 0.00 %  
**Solids content:** 100.0 %  
**Other information** None.

## 10 STABILITY AND REACTIVITY

**Reactivity** No further relevant information available.  
**Chemical stability** Stable at recommended storage conditions

### Thermal decomposition / Conditions to be avoided

No decomposition if used according to specifications.

**Possibility of hazardous reactions** Reacts with acids

**Conditions to avoid** No further relevant information available.

**Incompatible materials** No further relevant information available.

**Hazardous decomposition products** No dangerous decomposition products known.

## 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity

#### LD/LC50 values relevant for classification:

| Components   | Type    | Value        | Species  |
|--|---------|--------------|----------|
| <b>CAS: 65997-15-1 cement portland, grey</b>               |         |              |          |
| Dermal   | LD50    | >2,000 mg/kg | (Rabbit) |
| <b>CAS: 65996-69-2 Slags, ferrous metal, blast furnace</b> |         |              |          |
| Oral   | LD50    | >2,000 mg/kg | (Rat)    |
| Dermal   | LD50    | >4,000 mg/kg | (Rat)    |
| Inhalative   | LD50/4h | >5 mg/l      | (Rat)    |

#### Primary irritant effect:

**Skin corrosion/irritation** No irritant effect known

**Serious eye damage/irritation** No irritant effect known

**Respiratory skin sensitization** No sensitizing effects known

#### Additional toxicological information:

The product is not subject to classification 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.

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| Type of test Effective concentration Method Assessment     |                                   |
|--|-----------------------------------|
| <b>CAS: 65996-69-2 Slags, ferrous metal, blast furnace</b> |                                   |
| LC50/96h   | >100 mg/l (Leuciscus idus (Orfe)) |
| LC0/96h  | >100 mg/l (Leuciscus idus (Orfe)) |
| EC50/72h   | >90,000 mg/l (Algae)              |
| NOEC (72h)   | 50 – 100 mg/l (Algae)             |
| NOEC (21d)   | 1,563 mg/l (Daphnia magna)        |
| EC 0/48h   | >100 mg /l (Daphnia magna)        |

**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.

**Ecotoxicological effects:**

**Remark:**

The product contains substances which causes severe clouding in water

**Additional ecological information:**

**General notes:**

Do not allow product to reach ground water, water course or sewage system.

**Results of PBT and vPvB assessment**

**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

**Other adverse effects**

No further relevant information available.

## 13 DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Recommendation**

Product hardens after adding water after 5 to 6 hours and can then be disposed of as building rubbish.

Possible waste code 17 09 04.

Smaller quantities can be disposed of with household waste.

**Uncleaned packaging:**

**Recommendation:**

Disposal must be made according to regulations. Non contaminated packaging may be recycled.

**Recommended cleaning agent:**

Water, if necessary together with cleansing agents. Thoroughly shake out sacks.

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#### 14 TRANSPORT INFORMATION

|  |   |
|--|---|
| UN-Number<br>ADR, ADN, IMDG, IATA                                  | Void  |
| UN proper shipping name<br>ADR, ADN, IMDG, IATA                    | Void  |
| Transport hazard class(es)<br>ADR, ADN, IMDG, IATA Class           | Void  |
| Packing group<br>ADR, IMDG, IATA                                   | Void  |
| Environmental hazards:   | Not applicable.                                     |
| Special precautions for user                                       | Not applicable.                                     |
| Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable.                                     |
| Transport/Additional information:                                  | Not dangerous according to the above specifications |
| UN "Model Regulation":   | Void  |

#### 15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture  
GHS label elements

cf. section 2

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS05 GHS07

Signal word Danger

Hazard-determining components of labelling:

cement portland, grey

Hazard statements

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause allergic skin reaction.  
H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
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|                |  |
|----------------|--|
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310           | Immediately call a POISON CENTER/doctor.   |
| P321           | Specific treatment (see on this label).  |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P405           | Store locked up  |
| P501           | Dispose of contents/container in accordance with local/ regional/ national/ international regulations.                           |

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**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 product features and shall not establish a legally valid contractual relationship.

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**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**\* Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.