

## 1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER

### Product identifier

Trade name **E.Mix Easi Screed Eco**

Safety data sheet no.: XXP015211

**Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.

**Application of the substance / the mixture** Construction chemicals

### 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  
Phone: +65 6330 8288  
Fax.: +65 6330 8288

## 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture



corrosion

Eye Dam. 1      H318 Causes serious eye damage.



Skin Irrit. 2      H315 Causes skin irritation.  
Skin Sens. 1      H317 May cause allergic skin reaction.

### Label elements

#### GHS label elements

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.

### Precautionary statements

P101                      If medical advice is needed, have product container or label at hand.

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P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/ gas/mist/vapours/spray
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+P36	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**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**

**Chemical characterisation: Mixtures**

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

**Dangerous components:**

CAS: 65997-15-1	cement portland, grey	10-20%
EINECS: 266-0 3-	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.

**4 FIRST AID MEASURES**

**Description of first aid measures**

**General information**

Immediately remove any clothing soiled by the product.

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.

Supply fresh air and to be sure call for a doctor.

**After skin contact**

Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water.

If skin irritation continues, consult a doctor.

**After eye contact**

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

## 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:

Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 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

Prevent formation of dust.  
Keep receptacles tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.  
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:

Store away from foodstuffs.

#### Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

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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:**

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>
				*total dust **respirable fraction	
	REL (USA)			Long-term value: 10* 5**	mg/m <sup>3</sup>
				*total dust **respirable fraction	
	TLV (USA)			Long-term value: 1*	mg/m <sup>3</sup> E; *as respirable fraction

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

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.

### Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

#### Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device

**Protection of hands:** Protective gloves.

**Eye protection:** Tightly sealed goggles

**Body protection:** Protective work clothing

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Trade name **E.Mix Easi Screed Eco**

<b>Information on basic physical and chemical properties</b>	
<b>General Information</b>	
<b>Appearance:</b>	
Form:	Powder
Colour:	Grey
Odour:	Odourless
<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	Alkaline
<b>Change in condition</b>	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	2,230 °C (DIN)
<b>Flash point:</b>	Not applicable
<b>Flammability (solid, gas):</b>	Product is not flammable.
<b>Ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
<b>Oxidising properties</b>	Not determined.
<b>Vapour pressure at 1732 °C:</b>	13.5 hPa (DIN 516 0)Not applicable.
<b>Density at 20 °C:</b>	1.6 g/cm3 (DIN 51757) Not applicable.
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility in / Miscibility with</b>	
Water:	Unsoluble
<b>Segregation coefficient (n-octanol/water) log</b>	
Pow:	Not determined.
<b>Viscosity:</b>	
dynamic:	Not applicable.
kinematic:	Not applicable.
<b>Solvent content:</b>	
EU-VOC (%)	0.00 %
EU-VOC (g/L)	0.0 g/l
<b>Solids content:</b>	100.0 %
<b>Other information</b>	No further relevant information available.

## 10 STABILITY AND REACTIVITY

**Trade name E.Mix Easi Screed Eco**

**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

Reacts with light alloys in the presence of moisture to form hydrogen

**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)

**Primary irritant effect:**

**Skin corrosion/irritation** Irritant to skin and mucous membranes.

**Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.

**Respiratory or skin sensitisation** Sensitisation possible through skin contact.

**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

## 12 ECOLOGICAL INFORMATION

**Toxicity**

**Aquatic toxicity:** Not classified as harmful to aquatic life

**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 cause a local pH change and thus have a detrimental effect on fish and bacteria.

**Additional ecological information:**

**General notes:**

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

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water or drainage ditch undiluted or unneutralised.

**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** Dispose of the product in accordance with national and local regulations.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleaning agent:** Thoroughly shake out sacks.

### 14 TRANSPORT INFORMATION

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

### 15 REGULATORY INFORMATION

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

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

**Hazard pictograms**



GHS05 GHS07

**Trade name E.Mix Easi Screed Eco**

**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.

**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.  
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.  
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+P36 Take off contaminated clothing and wash it before reuse.  
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 specific product features and shall not establish a legally valid contractual relationship.

**Department issuing SDS:** R&D Department

**Contact:**

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**Abbreviations and acronyms:**

ADR: Accord europeen 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

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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.