

**SAFETY DATA SHEET**  
ACCORDING TO P.U.(A) 310/2013



**E.MIX FAST FIX**

Printing date 29.11.2023

Version number 1

Revision: 29.11.2023

**1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER**

**Product Identifier**

Trade Name **E.MIX Fast Fix**

**Safety Data Sheet No.:** XXP016717

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

No further relevant information available.

**Application of the substance/ mixture:** Tile adhesive

**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 6330 8289

**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.  
STOT SE 3                      H335                      May cause respiratory irritation.

**Label elements**

**GHS label elements**

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

**Hazard pictograms**



GHS05



GHS07

**Signal Word**                      Danger

**Hazard-determining components of labelling:**

Cement, portland, chemicals

SDS - E.MIX Fast Fix 202208

**SAFETY DATA SHEET**  
ACCORDING TO P.U.(A) 310/2013



**E.MIX FAST FIX**

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Version number 1

Revision: 29.11.2023

**Hazard statements**

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

**Precautionary Statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of 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.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards**

**Results of PBT and vPvB assessment**

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

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

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

**Chemical characterization:** Mixtures

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

Dangerous components:		
CAS: 14808-60-7 EINECS: 238-878-4	Silicon dioxide (Quartz sand)	25-50%
CAS: 65997-15-1 EINECS: 266-043-4	Cement, portland, chemicals ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 1% Eye Dam. 1; H318: C ≥ 1%	25-50%
CAS: 12004-14-7 EINECS: 234-448-5	Hexacalcium hexaoxotris[sulphato(2-)]dialimate(12-) ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	≥5-<10%
CAS: 7778-18-9 EINECS: 231-900-3	Calcium suplate, natural	2-5%

**SVHC:** Void

**Additional Information:** For the wording of the listed hazard phrases refer to section 16.

**SAFETY DATA SHEET**  
ACCORDING TO P.U.(A) 310/2013



**E.MIX FAST FIX**

Printing date 29.11.2023

Version number 1

Revision: 29.11.2023

#### 4 FIRST AID MEASURES

##### Description of first aid measures

###### General information

Take affected persons out into fresh air.

Immediately remove any clothing soiled by the product.

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

###### After inhalation

Seek medical treatment in case of complaints.

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

###### After skin contact

Immediately wash with water and soap. Rinse thoroughly.

###### After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (at 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.

Use fire extinguishing methods suitable to surrounding conditions.

###### Special hazards arising from the substance or mixture

No further relevant information available.

##### Advice for firefighters

###### Protective equipment

Wear fully protective suit.

Do not inhale explosion gases or combustion gases.

Use method suitable to surrounding conditions.

**SAFETY DATA SHEET**  
ACCORDING TO P.U.(A) 310/2013



**E.MIX FAST FIX**

Printing date 29.11.2023

Version number 1

Revision: 29.11.2023

## 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.  
Wear protective equipment. Keep unprotected persons away.  
Avoid contact with skin and eyes.

### Environmental precautions

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

### Methods and material for containment and clean up

Pick up mechanically.  
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.  
Avoid contact with skin and eyes.  
Ensure good ventilation/exhaustion at the workplace.  
Provide suction extractors if dust is formed.

#### Information about fire and explosion protection:

The product is not flammable.

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

##### Storage

#### Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.  
Ensure sufficient ventilation for storage and work areas.

#### Information about storage in one common storage facility:

Store away from foodstuffs.  
Store away from water.

#### Further information about storage conditions:

Store in a cool place.  
Store in dry conditions.  
Protect from humidity and water.

#### Specific end use(s)

No further relevant information available.

**SAFETY DATA SHEET**  
ACCORDING TO P.U.(A) 310/2013



**E.MIX FAST FIX**

Printing date 29.11.2023

Version number 1

Revision: 29.11.2023

**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:**

DNELs		
<b>CAS: 12004-14-7 Hexacalcium hexaoxotris[sulphato(2-)]dialuinate(12-)</b>		
Oral	Derived No Effect Level	15.2 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	10 mg/m <sup>3</sup> (worker systemic long term value)
		5 mg/m <sup>3</sup> (consumer systemic long term value)

CAS No: Designation of material % Type Value unit	
<b>CAS: 14808-60-7 Silicon dioxide (Quartz sand)</b>	
PEL (Malaysia)	Long-term value: 0.1* mg/m <sup>3</sup> *pecahan temafaskan
PEL (USA)	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; 30mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
REL (USA)	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; see Pocket Guide App. A
TLV (USA)	Long-term value: 0.025* mg/m <sup>3</sup> *respirable particulate matter, A2
<b>CAS: 65997-15-1 Cement, portland, chemicals</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,A4

CAS: 7778-18-9 calcium sulphate, natural	
PEL (Malaysia)	Long-term value: 10mg/m <sup>3</sup>
PEL (USA)	Long-term value: 15*5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	Long-term value: 10* mg/m <sup>3</sup> *total dust ** respirable fraction
TLV (USA)	Long-term value: 10* mg/m <sup>3</sup> *as inhalable fraction

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

Total inhalable dust: 10 mg/m<sup>3</sup>

Respirable dust (< 5 µm): 4mg/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.

**SAFETY DATA SHEET**  
 ACCORDING TO P.U.(A) 310/2013



**E.MIX FAST FIX**

Printing date 29.11.2023

Version number 1

Revision: 29.11.2023

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
 Avoid close or long term contact with the skin.  
 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 eyes and skin.  
 Provide adequate general ventilation and local process ventilation, use local exhaust ventilation if necessary.

**Respiratory protection:**

Short term filter device:

Filter P2.

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.

**Material of gloves:**

Nitrile rubber, NBR.

**Eye protection:**

Tightly sealed goggles.

**Body protection:**

Protective work clothing.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties	
General Information	
<b>Appearance</b>	
Form:	Powder
Colour:	According to product specification.
Odour:	Uncharacteristic
Odour threshold:	Not determined
pH-value:	Alkaline in water
<b>Change in condition</b>	
Melting point/freezing point:	Undetermined
Initial boiling point and boiling range:	Undetermined
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:	Not determined.

**SAFETY DATA SHEET**  
ACCORDING TO P.U.(A) 310/2013**E.MIX FAST FIX**

Printing date 29.11.2023

Version number 1

Revision: 29.11.2023

<b>Explosion limits:</b> Lower: Upper:	Not determined Not determined
<b>Oxidising properties:</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density:</b>	1.6 – 1.7 g/cm <sup>3</sup>
<b>Relative density:</b> <b>Vapour density:</b> <b>Evaporation rate:</b>	Not determined Not applicable Not applicable
<b>Solubility in / Miscibility with Water:</b>	Miscible
<b>Segregation coefficient (n-octanol/water) log Pow:</b>	Not determined
<b>Viscosity:</b> Dynamic: Kinematic:	Not determined Not determined
<b>Solvent content:</b> EU-VOC (%) EU-VOC (g/L) Solids content:	0.0000 % 0.0000 g/l 100.0%
<b>Other information</b>	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**

Avoid water ingress/moisture during storage (the product will react with moisture and harden).

**Incompatible materials**

No further relevant information available.

**Hazardous decomposition products**

No dangerous decomposition products known.

**SAFETY DATA SHEET**  
ACCORDING TO P.U.(A) 310/2013



**E.MIX FAST FIX**

Printing date 29.11.2023

Version number 1

Revision: 29.11.2023

**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, chemicals</b>			
Dermal	LD50	>2,000 mg/kg (Rabbit)	
<b>CAS : 12004-14-7 Hexacalcium hexaxotris[sulphato(2-)]dialuminate(12-)</b>			
Oral	LD50	>2,000 mg/kg (Rat)	
Dermal	LD50	>2,000 mg/kg (Rat)	
<b>CAS: 1317-65-3 calcium carbonate</b>			
Oral	LD50	>5,000 mg/kg (Rat)	

**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:** No further relevant information available.

Type of test	Effective concentration	Method assessment
<b>CAS: 12004-14-7 Hexacalcium hexaxotris[sulphato (2-)]dialuminate(12-)</b>		
LC0/96h	83 mg/l (Fish)	
EC50/48h	6.8-7.7 mg/l (Daphnia magna)	
EC50/72h	4.8-47.4 mg/l (Algae)	
<b>CAS: 1317-65-3 calcium carbonate</b>		
LC50/96h	>10,000 mg/l (Oncorhynchus mykiss (Rainbow trout))	
EC50/48h	>1,000 mg/l (Daphnia magna)	
EC50/72h	>200 mg/l (Algae)	

**Persistence and degradability:** No further relevant information available.

**Behavior in environmental systems:**

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Ecotoxicological effects:**

**Behaviour in sewage processing plants:**

Type of test	Effective concentration	Method assessment
<b>CAS: 12004-14-7 Hexacalcium heaxotris[sulphato(2-)]dialuminate(12-)</b>		
EC 50 (3h)	100 mg/l (Activated sludge)	

**SAFETY DATA SHEET**  
 ACCORDING TO P.U.(A) 310/2013



**E.MIX FAST FIX**

Printing date 29.11.2023

Version number 1

Revision: 29.11.2023

**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**

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, AND, IMDG, IATA	Void
<b>UN Proper shipping name</b> ADR, IMDG, IATA	Void
<b>Transport Hazard Class(es)</b> ADR, AND, 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>Transport/Additional information:</b>	Not dangerous according to the above specifications.
<b>ADR Remarks:</b>	Not classified as dangerous goods for transport.
<b>IMDG Remarks:</b>	Not classified as dangerous goods for transport.
<b>IATA Remarks:</b>	Not classified as dangerous goods for transport.
<b>UN "Model Regulation":</b>	Void

**SAFETY DATA SHEET**  
ACCORDING TO P.U.(A) 310/2013



**E.MIX FAST FIX**

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**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 Harmonized System (GHS).

**Hazard pictograms**



**Signal Word** Danger

**Hazard-determining components of labelling:**

Cement, portland, chemicals

**Hazard statements**

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

**Precautionary Statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of 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.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
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

**SAFETY DATA SHEET**  
ACCORDING TO P.U.(A) 310/2013



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**16 OTHER INFORMATION**

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

**Department issuing SDS:**  
Research and Development

**Contact:**  
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KimHeok.Teh@saint-gobain.com

**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 relatif au transport international 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)  
DNEL: Derived No-Effect Level (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.