1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER

Product identifier
Trade name Weberfloor 550

Safety Data Sheet No.: XXP016714
Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance/ mixture: Levelling material

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

Saint-Gobain Weber (M) Sdn Bhd
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42300 Bandar Puncak Alam, Selangor D E, Malaysia
Phone: +603 6038 9498/97/89
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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 an allergic skin reaction

Label elements

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

Hazard pictograms

Hazard Pictograms

GHS05 – GHS07

Signal Word Danger

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Hazard-determining components of labelling: Portland cement, grey

Hazard statements

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

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 INGREDIENTS

Chemical characterization: Mixtures
Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:		
CAS: 14808-60-7 EINECS: 238-878-4	Portland Cement, Grey Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	25-50%
CAS: 12004-14-7 EINECS: 234-448-5	Hexacalcium hexaoxotris[sulphato(2-)]dialuminate(12-) Skin Irrit. 2, H315; STOT SE 3, H335	10-20%
CAS: 7778-18-9 EINECS: 231-900-3	calcium sulphate, natural	5-10%
CAS: 471-34-1 EINECS: 207-439-9	calcium carbonate	2-5%
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 %	1%

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

4 FIRST AID MEASURES

Description of first air measures

General information
Take affected persons out into the fresh air.
Immediately remove any clothing soiled by the product.
Remove victim immediately from dangerous area. If the patient is unwell, consult a doctor and present this data sheet.

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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.
If skin irritation persists, consult a doctor.

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

Information for doctor/s

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.
Protective equipment
Wear fully protective suit. Do not inhale explosion gases or combustion gases. Use methods suitable to surrounding conditions.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/aerosol.

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

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
Avoid contact with skin and eyes.
Prevent formation of dust.
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.

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

Information about storage in one common storage facility:
Store away from foodstuffs. Store away from water.

Further information about storage conditions:
Store in cool, dry conditions in well-sealed receptacles.
Protect from humidity and water.
Keep container tightly sealed.

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:

DNELs		
CAS: 12004-14-7 Hexacalcium hexaoxotris[sulphato(2-)]dialuminate(12-)		
Oral	Derived No Effect Level	15.2 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	10 mg/m³ (worker systemic long term value) 5 mg/m³ (consumer systemic long term value)
CAS: 7778-18-9 calcium sulphate, natural		
Oral	Derived No Effect Level	1.52 mg/kgxday (consumer systemic long term value) 11.4 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	21.17 mg/m³ (worker systemic long term value) 5,082 mg/m³ (worker systemic short term value) 5.29 mg/m³ (consumer systemic long term value) 3,811 mg/m³ (consumer systemic short term value)
PNECs		
CAS: 65996-69-2 Slags, ferrous metal, blast furnace		
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		
CAS: 14808-60-7 Silicon dioxide (Quartz sand)		

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PEL (Malaysia)	Long-term value: 0.1* mg/m³ *Pecahan ternafaskan
PEL (USA)	Long-term value: 0.05* mg/m³ *resp. dust; 30mg/m3/%SiO2+2
REL (USA)	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV (USA)	Long-term value: 0.025* mg/m³ *respirable particulate matter, A2
CAS: 7778-18-9 calcium sulphate, natural	
PEL (Malaysia)	Long-term value: 10 mg/m³
PEL (USA)	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV (USA)	Long-term value: 10* mg/m³ *as inhalable fraction
CAS: 471-34-1 calcium carbonate	
PEL (USA)	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn
CAS: 65997-15-1 Cement, portland, chemicals	
PEL (Malaysia)	Long-term value: 10 mg/m³
PEL (USA)	Long-term value: 50 mppcf or 15* 5** mg/m³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV (USA)	Long-term value: 1* mg/m³ E; *as respirable fraction, A4

Additional Occupational Exposure Limit Values for possible hazards during processing:
Quartz respirable dust (< 5 µm) : 0,15 mg/m³

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.
Do not eat or drink while working.
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:
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.

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Short term filter device: Filter P2.

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	
Appearance **Form:** **Colour:** **Odour:** **Odour threshold:**	 Powder According to product specification Uncharacteristic. Not determined
pH-value:	Alkaline
Change in condition **Melting point/freezing point:** **Initial boiling point and boiling range:**	 Undetermined 2,000 °C (DIN)
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:** **Upper:**	 Not determined Not determined
Vapour pressure at 1732 °C:	13.5 hPa (DIN 51640)
Density at 20ºC:	1.1-1.2 g/cm^3 (DIN 51757)
Density: **Relative density:** **Vapour density:** **Evaporation rate:**	 Not determined Not applicable Not applicable
Solubility in / Miscibility with Water:	Miscible
Segregation coefficient (n-octanol/water) log Pow:	Not determined
Viscosity: **Dynamic:** **Kinematic:**	 Not applicable Not applicable
Solvent content: **EU-VOC (%)** **EU-VOC (g/L)** **Solids content:**	 0.0000 % 0.0000 g/l 100 %
Other information	No further relevant information available

10 STABILITY AND REACTIVITY

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Reactivity
No further relevant information available.

Chemical Stability
Stable at recommended storage conditions.

Thermal decomposition
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
CAS: 65996-69-2 Slags, ferrous metal, blast furnace	Oral Dermal	LD50 >2,000 mg/kg LD50 >4,000 mg/kg	Rat Rat
CAS: 12004-14-7 Hexacalcium hexaoxotris[sulphato(2-)]dialuminate(12-)	Oral Dermal	LD50 >2,000 mg/kg LD50 >2,000 mg/kg	Rat Rat
CAS: 7778-18-9 calcium sulphate, natural	Oral	LD50 >2,000 mg/kg	Rat
CAS: 65997-15-1 Cement, portland, chemicals	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: No further relevant information available

Type of test effective concentration Method Assessment	
CAS: 65996-69-2 Slags, ferrous metal, blast furnace	
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)

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NOEC (21d)	1,563 mg/l (Daphnia magna)
EC 0/48h	>100 mg /l (Daphnia magna)
CAS: 12004-14-7 Hexacalcium hexaoxotris[sulphato(2-)]dialuminate(12-)	
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)
CAS: 7778-18-9 calcium sulphate, natural	
LC50/48h	>79 mg/l (Daphnia magna)
LC50/96h	>79 mg/l (Oryzias latipes (Japanese medaka))
EC50/72h	>79 mg/l (Selenastrum capricornutum (Green algae))

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.

Ecotoxical effects:
Behaviour in sewage processing plants:

Type of test effective concentration Method Assessment	
CAS: 65996-69-2 Slags, ferrous metal, blast furnace	
EC 50 (3h)	>10,000 mg/l (Activated sludge)
CAS: 12004-14-7 Hexacalcium hexaoxotris[sulphato(2-)]dialuminate(12-)	
EC 50 (3h)	100 mg/l (Activated sludge)
CAS: 7778-18-9 calcium sulphate, natural	
EC 50 (3h)	>1,000 mg/l (Activated sludge)

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

UN-Number **ADR, AND, IMDG, IATA**	Void
UN Proper shipping name **ADR, AND, IMDG, IATA**	Void
Transport Hazard Class(es) **ADR, AND, IMDG, IATA Class**	Void

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Packing group **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	
ADR Remarks:	Not classified as a dangerous goods for transport
IMDG Remarks:	Not classified as a dangerous goods for transport
IATA Remakrs	Not classified as a dangerous goods for transport
UN "Model Regulation":	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).

GHS05 GHS07

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.

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

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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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: Technical Department
Contact:
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Abbreviations and acronyms:
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)
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 is marked with asterisks.

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