

Safety Data Sheet

Skamol Structural Plaster

Replaces date: 06/03/2023

Revision date: 07/11/2023
Version: 1.1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: Skamol Structural Plaster

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Plaster

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Skamol Group
Address: Hasselager Centervej 1
Zip code: 8260
City: Viby J
Country: DENMARK
E-mail: info@skamol.com
Phone: +45 97 72 15 33

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Irrit. 2;H315
Skin Sens. 1B;H317
Eye Dam. 1;H318
STOT SE 3;H335

Most serious harmful effects: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Corrosive when mixed.

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2.2. Label elements

Pictograms



Signal word: Danger

Contains

Substance: Portland Cement; Calcium hydroxide;

Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
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.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338+310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P501 Dispose of contents/container in accordance with local regulation.

Supplemental information

Contains a reducing agent which reduces soluble chromium VI. The reducing agent is active when stored in a dry place for 12 months after the stated packing date. When stored in moist conditions, e.g. on construction sites, the chromate neutralisation will wear off. Packing that has been opened should be closed tightly after use, and the product should be used as soon as possible.

2.3. Other hazards

(PBT/vPvB) No assessment required, as the product contains inorganic matter only. Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
Quartz	14808-60-7 238-878-4	< 30 %	12	
Portland Cement	65997-15-1 266-043-4	< 30 %		Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Dam. 1;H318 STOT SE 3;H335
Calcium hydroxide	1305-62-0 215-137-3	< 5 %		Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H335

Please see section 16 for the full text of H- / EUH-phrases.

12 = The substance is included in the EU list of limit values for occupational exposure

SECTION 4: First aid measures

4.1. Description of first aid measures

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Inhalation:	Seek fresh air, wash out mouth with water and blow nose thoroughly. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. Seek medical advice in case of persistent discomfort.
Skin contact:	Remove contaminated clothing. Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice in case of persistent discomfort.
Eye contact:	Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.
General:	When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation of dust is irritating to the upper airways. Irritating to skin - may cause reddening. Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight. May cause sensitisation by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Can generate harmful flue gases containing carbon monoxide in the event of fire.

5.3. Advice for firefighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Wear gloves. Wear safety goggles. In case of missing process ventilation: Wear respiratory protective equipment.

For emergency responders: In addition to the above: Chemical protective suit equivalent to EN 943-2 is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers. Wipe up minor spills with a damp cloth.

6.4. Reference to other sections

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See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a cool, dry place.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm3	Remarks	Comments
Quartz	8h		0.1		respirable crystalline	
Quartz	15m				respirable crystalline	
Portland Cement	15m				respirable dust	
Portland Cement	8h		10		Total inhalable dust	
Portland Cement	8h		4		respirable dust	
Portland Cement	15m				Total inhalable dust	
Aluminium oxide	8h		10		total inhalable dust	
Aluminium oxide	15m				total inhalable dust	
Calcium hydroxide	8h		1		Respirable fraction.	
Calcium hydroxide	15m		4		Respirable fraction.	
Calcium hydroxide	8h		5			
Mineral dust	8h		10		Inhalable dust. OEL value for: Dust	
Mineral dust	8h		4		Respirable dust. OEL value for: Dust	

Measuring methods:

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

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Legal basis: EH40/2005 Workplace exposure limits. Last amended January 2020.

8.2. Exposure controls

Appropriate engineering controls: Use the product under well-ventilated conditions. Wear the personal protective equipment specified below.

Personal protective equipment, eyeface protection: Wear safety goggles/face protection. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear gloves. Type of material: Plastic/ Rubber/ Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection: Wear respiratory protective equipment with P2 filter when performing dusty work. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Powder
Colour	Grey
Odour	Characteristic
Solubility	0,1 - 1,5 g/l

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	> 1000 °C	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	11 - 13.5	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	No data	
Relative density	1.2 - 1.6 g/cm ³	
Vapour density	> 1	(Air=1)
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Other Information: None.

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reacts with the following: Acids/ Metals/ Ammonium salts. The content of chrome reducing agents will decrease with time.
Reacts with water. Hardens to a firm, non-mobile mass.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Acids. Metals/ Ammonium salts.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

Calcium hydroxide, cas-no 1305-62-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg		OECD 425	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - dermal

Calcium hydroxide, cas-no 1305-62-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2500 mg/kg		OECD 402	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation:

The product does not have to be classified. Test data are not available.

Skin corrosion/irritation:

Irritating to skin - may cause reddening. Corrosive when mixed.

Serious eye damage/eye irritation:

Strongly irritating to the eyes, causing reddening and increased tear production. May cause serious eye damage. Corrosive when mixed.

Respiratory sensitisation or skin sensitisation:

May cause sensitisation by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing.

Germ cell mutagenicity:

The product does not have to be classified. Test data are not available.

Carcinogenic properties:

The product does not have to be classified. Test data are not available.

Reproductive toxicity:

The product does not have to be classified. Test data are not available.

Single STOT exposure:

Inhalation of dust is irritating to the upper airways. If ingested, can be irritating to mucous membranes of the mouth and gastrointestinal tract.

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Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: No known data.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Non-biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Hardens to a firm, non-mobile mass.

12.5. Results of PBT and vPvB assessment

(PBT/vPvB) No assessment required, as the product contains inorganic matter only.

12.6. Endocrine disrupting properties

No known data.

12.7. Other adverse effects

The product affects the pH value of the local aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

Hardened cement is non-hazardous waste. Contact the local authorities for instructions on handling. Use the below code for waste registration.

Category of waste: EWC code: Depends on line of business and use, for instance
Product: 17 01 06* mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing hazardous substances
Hardened product: 17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

SECTION 14: Transport information

14.1. UN number or ID number: Not applicable.

14.4. Packing group: Not applicable.

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14.2. UN proper shipping name: Not applicable.

14.5. Environmental hazards: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Special Provisions: Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Only for use in the period when the water-soluble chromate level is below 2 mg/kg dry cement. The product is comprised by Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit), Annex XVII (47) concerning restrictions.

Covered by:
The Health and Safety (Young Persons) Regulations 1997.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.1.0	07/11/2023	Bureau Veritas HSE/SUJ	1,16

Abbreviations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

Hazard statements

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



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H335

May cause respiratory irritation.

SDS is prepared by

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