

Safety Data Sheet

Skamol Lime Mortar

Issued: 10/25/2023
Version: 1.0.0

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

1.1. Product identifier

Trade name: Skamol Lime Mortar

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

Recommended uses: Mortar.

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

+45 97 72 15 33 (Skamol Group)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Irrit. 2;H315
Eye Dam. 1;H318

Most serious harmful effects: Causes skin irritation. Causes serious eye damage. Corrosive when mixed. Inhalation of dust may cause irritation to the upper airways.

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2.2. Label elements

Pictograms



Signal word: Danger

Contains

Substance: Lime (chemical), hydraulic; Calcium hydroxide;

Hazard Statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

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/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.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.
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	60 - 80 %	12	
Lime (chemical), hydraulic	85117-09-5 285-561-1 01-2119475523-36	15 - 25 %		Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H335
Calcium hydroxide	1305-62-0 215-137-3 01-2119475151-45	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

Ingredient comments: Quartz, respirable (<0,01%)

SECTION 4: First aid measures

4.1. Description of first aid measures

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. Seek medical advice in case of discomfort.

Skin contact: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in

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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

Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight. Irritating to skin - may cause reddening. Corrosive when mixed. Inhalation of dust may cause irritation to the upper airways.

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: Keep unnecessary personnel away. Stay upwind/keep distance from source. Provide good ventilation. Wear safety goggles/face protection. Wear gloves. Wear respiratory protective equipment. Wear suitable protective clothing.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, 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

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

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Work processes where generation of dust may occur must be performed under effective process ventilation (e.g. local exhaust ventilation). 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. Do not store with the following: Strong alkalis/ Strong oxidisers/ Strong reducing agents/ Strong acids.

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/cm ³	Remarks	Notation
Quartz	8h		0.1		Respirable fraction. OEL value for: Silica, crystalline	
Calcium hydroxide	8h		1		respirable fraction	
Calcium hydroxide	15m		4		respirable fraction	

Measuring methods:

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

Legal basis:

Commission Directive 2000/39/EC (Occupational Exposure Limits) as subsequently amended. Last amended by Commission Directive 2019/1831/EU. Directive 2004/37/EC (Exposure to carcinogens or mutagens at work) as subsequently amended. Last amended by Directive 2022/431/EU. Resolution 2019/2182(INL) (Protecting workers from asbestos) as subsequently amended. Last amended by resolution 2022/C 184/03.

PNEC

Calcium hydroxide, cas-no 1305-62-0				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (marine water)	0.32 mg/l			
PNEC soil	1.08 mg/kg			
PNEC aqua (freshwater)	0.49 mg/l			
PNEC STP (wastewater-treatment facilities)	3.004 mg/l			

DNEL - workers

Lime (chemical), hydraulic, cas-no 85117-09-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - local effects)	1 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	4 mg/m ³				

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Calcium hydroxide, cas-no 1305-62-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (acute/short-term exposure - local effects)	4 mg/cm ³				
Inhalation DNEL (long-term exposure - local effects)	1 mg/cm ³				

DNEL - general population

Calcium hydroxide, cas-no 1305-62-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (acute/short-term exposure - local effects)	4 mg/m ³				
Inhalation DNEL (long-term exposure - local effects)	1 mg/m ³				

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

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

Personal protective equipment, skin protection: Wear suitable protective clothing.

Personal protective equipment, hand protection: Wear gloves. Type of material and thickness: Nitrile rubber/ 0,2 mm. Penetration time: > 480 min. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection: In case of missing process ventilation: Wear respiratory protective equipment. Filter type: P. 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	White
Odour	Odourless
Solubility	Solubility in water: Insoluble

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	No data	

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Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)		Corrosive when mixed.
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	No data	
Relative density	No data	
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Strong alkalis/ Strong oxidisers/ Strong reducing agents/ Strong acids.

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

Avoid unintended contact with the following: Avoid contact with moisture and water.

10.5. Incompatible materials

Strong alkalis/ Strong oxidisers/ Strong reducing agents/ Strong acids.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

SECTION 11: Toxicological information

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

Acute toxicity - oral

Lime (chemical), hydraulic, cas-no 85117-09-5

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

Calcium hydroxide, cas-no 1305-62-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		7340 mg/l			
Rat	LD50		> 2000 mg/kg bw			

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

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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 bw			

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: Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight.

Respiratory sensitisation or skin sensitisation: The product does not have to be classified. Test data are not available.

Germ cell mutagenicity

Lime (chemical), hydraulic, cas-no 85117-09-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
In vitro tests.				Negative	OECD 471	
In vitro tests.				Negative	OECD 473	

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

Carcinogenic properties

Lime (chemical), hydraulic, cas-no 85117-09-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat				Negative		

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

Reproductive toxicity

Lime (chemical), hydraulic, cas-no 85117-09-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse				Negative		

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

Single STOT exposure: The product does not have to be classified. Test data are not available. Inhalation of dust may cause irritation to the upper airways.

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: None known.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Lime (chemical), hydraulic, cas-no 85117-09-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
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Algae			21dNOEC	1080 mg/kg			
Fish			96hLC50	457 mg/l			
Crustacea			48hLC50	49.1 mg/l			
Crustacea			96hLC50	158 mg/l			
Algae			72hEC50	184.57 mg/l			
Algae			72hNOEC	48 mg/l			
Crustacea			14dNOEC	32 mg/l			
Fish			96hLC50	50.6 mg/l			
Sediment organisms			IC50	≤ 2000 mg			

Calcium hydroxide, cas-no 1305-62-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish			96hLC50	50.6 mg/l			
Crustacea			48hEC50	49.1 mg/l			
Algae			72hEC50	184.47 mg/l			
Algae			72hNOEC	48 mg/l			
Crustacea			48hNOEC	32 mg/l			
Fish			96hLC50	457 mg/l			
Fish			96hLC50	160 mg/l			

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

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

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. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Hardened product is non-hazardous waste according to waste regulations. Contact the local authorities for instructions on handling. Use the below code for waste registration.

Category of waste: Product: 16 05 07* discarded inorganic chemicals consisting of or containing hazardous substances

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Absorbent/cloth contaminated with the product: 15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

SECTION 14: Transport information

14.1. UN number or ID number: Not applicable. **14.4. Packing group:** Not applicable.
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:

15.2. Chemical Safety Assessment

REACH Reg. No.	Substance name
01-2119475151-45	Calcium hydroxide
01-2119475523-36	Lime (chemical), hydraulic

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	10/25/2023	Bureau Veritas HSE/JST	

Abbreviations:
PBT: Persistent, Bioaccumulative and Toxic
PNEC: Predicted No Effect Concentration
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative
DNEL: Derived No Effect Level

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 1907/2006/EC (REACH) 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.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

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