

SAFETY DATA SHEET

according to Commission Regulation (EU) 2015/830



Visnes Kalk AS *Crystalline white marble*

Version 1.0 (CLP EU)	Revision Date: 05.01.2018	SDS Number: CC1	Date of last issue: – Date of first issue: 02.01.2017
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: Visnes marble
Substance name: Calcium Carbonate (CaCO₃)

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

Use of the substance: Drinking water, agriculture, industrial use, animal feed, sandblasting, paper industry

1.3. Details of the supplier of the safety data sheet

Manufacturer: Visnes Kalk AS
6493 Lyngstad
Norway

Telephone: +47 71 29 92 20

Telefax: +47 71 29 92 21

Email address for a person responsible for the SDS: Karl@Visneskalk.no

Responsible/issuing person: **Karl Johan Eide**

1.4. Emergency telephone number

Emergency telephone number: +47 71 29 92 20

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification criteria in Regulation (EC) No 1272/2008
Not a hazardous substance.

2.2. Label elements

Classification criteria in Regulation (EC) No 1272/2008
Not a hazardous substance.

2.3. Other hazards

This substance contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).
Calcium carbonate product from natural deposits is exempted from REACH registration (ref: ECHA-10-G-02-EN)

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical composition	CAS-no.	Conc. by mass %
Calcium Carbonate (CaCO ₃)	1317-65-3	>= 98 %
Magnesium Carbonate (MgCO ₃)	546-93-0	<1 %
Iron(III) oxide (Fe ₂ O ₃)	1309-37-1	<0.1 %
Silica (SiO ₂)	14808-60-7	<0.6 %

Particle sizes: Different gradings

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash with water and soap

Eye contact: May cause eye irritation. Rinse immediately with water for 10-15 minutes. Keep eyes open.

Ingestion: If large amounts are swallowed, give plenty of water or milk to drink, avoid vomiting. Excessive inhalation of dust may cause respiratory irritation.

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

None known.

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

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Not combustible. The product will discharge carbon dioxide (CO₂) upon strong heating, and function as an extinguishing agent.

Other information: Decomposition of the product by strong heating/fire will form calcium oxide (CaO) and carbon dioxide (CO₂).

Avoid contact with the calcium oxide, a corrosive substance.

5.3. Advice for firefighters

In the event of a fire, wear full protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid skin contact and inhalation of dust. Use protective equipment if necessary.

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6.2. Environmental precautions

No special precautions are necessary. The product is only slightly soluble in water and will eventually sink to the bottom.

6.3. Methods and material for containment and cleaning up

Collect as much as possible by mechanical means (shovel-vacuum cleaner etc). Wash area afterwards. Avoid contact with acids.

6.4. Reference to other sections

Not applicable

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use with adequate ventilation. Minimize dust. Avoid inhalation, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store fine gradings in dry place. Keep away from acids.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameter

Country	Components	CAS-No.	Value type (from of exposure)	Control parameters	Basis
Norway	Natural Calcium Carbonate	Limestone	NGV (respirable dust)	5 mg/m ³	For-2011-12-06-1358
			NGV (Total dust)	10 mg/m ³	For-2011-12-06-1358

8.2. Exposure controls

Respiratory protection: Gas mask may be necessary, filter B (grey) or dust filter lib (p2).
Hand protection: Wear gloves.
Skin protection: Wear protective suit, when there is a risk of direct contact or splashes.
Eye protection: Safety glasses or face protection shall be used when risk of contact or splashes.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Chips
Colour: White, greyish
Odour: Odourless

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Solubility:	>98 % Solubility in diluted acids. Water solubility 0,014 g/l (20 °C, 1atm), 0,018g/l (75 °C, 1atm)
Density:	2,7 g/cm ³ (20 °C, 1atm), method DIN-ISO 787/10
pH in Solution:	pH 8,5-9,5
Melting point:	1300 °C
Flammability	The product is not flammable
Lower explosion limit	The product is not explosive
Decomposition temperate	>800 °C

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under ordinary conditions of use and storage

10.2. Chemical stability

No decomposition

10.3. Possibility of hazardous reactions

Hazardous decomposition of product: when heated (825 °C), calcium oxide fumes are emitted, and carbon dioxide is liberated, which can displace oxygen (danger of suffocation).
Incompatibilities: acids, fluorine magnesium with hydrogen.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Oral-rat LD50:	6450 mg/kg
Eye-rbt:	0,75 mg/24H, Severe
Skn-rbt:	500mg/24H, Moderate
Epidemiology:	Not found
Teratogenicity:	Not found
Reproductive effects:	Not found
Neurotoxicity:	Not found

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SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish:	LC ₅₀ Fish: > 10 000 mg/l Exposure time: 96 h
Toxicity to daphnia and Other aquatic invertebrates:	LC ₅₀ Daphnia: > 1 000 mg/l Exposure time: 49 h
Toxicity to algae:	LC ₅₀ Algae: > 200 mg/l Exposure time: 72 h

General: The product does not constitute an environmental hazard

12.2. Persistence and degradability

Decomposes upon reaction with acidic materials.

12.3. Bioaccumulative potential

Does not bio accumulate

12.4. Mobility in soil

Mobility: Spreads like other dusts. Not volatile

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Release to water systems will cause slight increase in alkalinity

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Destruction is not necessary. The material may be land filled in accordance with local and national regulations.

SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

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14.5. Environmental hazards

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59): Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants and amending Directive 79/117/EEC: Not applicable

Regulation (EC) No 649/2012 concerning the export and import of Dangerous/hazardous chemicals: Not applicable

Regulation (EC) 2001/59 Nature of special risks attributed to dangerous substances and preparations (R phrases): Not applicable

Regulation (EC) 2001/59 Safety advice concerning dangerous substances and preparations (S phrases): Not applicable

15.2. Chemical safety assessment

S phrases: None

SECTION 16: Other information

Direction of use: The product is used for several different industrial and agricultural purposes.

Abbreviations:

CLP - Classification Labelling Packaging Regulation; EC- European Community; ECHA - European Chemicals Agency; EC-Number - European Community number; ISO - International Organisation for Standardisation; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); PBT - Persistent, Bioaccumulative and Toxic

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substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the time of preparation or prepared from sources believed to be reliable. The information given is designed only to comply with all laws and procedures applicable to the safe handling, processing, use, storage, transportation, disposal and release of product and to determine the suitability of the product for its intended use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

The information that has been use in this Safe Data Sheet has been taken from reference work and literature.

This Safety Data Sheet gives only information relating to safety and does not replace any product information or product specification.