

# SAFETY DATA SHEET

according to Commission Regulation (EU) 2015/830

**Visnes Eklogitt AS** ..... *For a strong and heavy rock*

Version 1.0 (CLP EU)	Revision Date: 08.01.2018	SDS Number: E1	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: **Eclogite**  
Substance name: Eclogite

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

Use of the substance: Ballast Material in offshore, Concrete draft drainage, Roads sand

### 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](mailto:Karl@Visneskalk.no)

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

### 1.4. Emergency telephone number

Emergency telephone number: +47 71 29 92 20

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## 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).  
Eclogitic product are 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 %
Hornblende ( <i>Amphibole</i> )	-	80 %
Garnet ( $Al_2Fe_3(SiO_4)_3$ )	1302-62-1	5 %
Feldspar ( $CaAl_2Si_2O_8$ )	68476-25-5	5 %
Silica ( $SiO_2$ )	14808-60-7	5 %
<b>Other minerals:</b> Dolomite, Biotite, Marbel, Rutil, Epidot		5 %

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 ( $CO_2$ ) 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 ( $CO_2$ ).

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.

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## 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

No data available.

### 7.3. Specific end use(s)

No data available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameter

Country	Components	CAS-No.	Value type (from of exposure)	Control parameters	Basis
Norway	<i>SiO<sub>2</sub></i>	Eclogite	NGV (respirable dust)	5 mg/m <sup>3</sup>	For-2011-12-06-1358
	<i>Al<sub>2</sub>Fe<sub>3</sub>(SiO<sub>4</sub>)<sub>3</sub></i> <i>CaAl<sub>2</sub>Si<sub>2</sub>O<sub>8</sub></i>				
	<i>(K,Na)<sub>0-1</sub></i> <i>(Ca,Na,Fe,Mg)<sub>2</sub></i> <i>(Mg,Fe,Al)<sub>5</sub></i> <i>(Al,Si)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub></i>		NGV (Total dust)	10 mg/m <sup>3</sup>	For-2011-12-06-1358

### 8.2. Exposure controls

Respiratory protection: Gas mask may be necessary, filter B (grey) or dust filter Iib (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.

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## SECTION 9: Physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

Appearance:	Chips
Colour:	Dark greyish
Odour:	Odourless
Solubility:	Very low solubility, small intrusions of marble are dissolved in acid, the rock is stable.
Density:	3,2 g/cm <sup>3</sup> (20 °C, 1atm), method DIN-ISO 787/10
pH in Solution:	-
Flammability	The product is not flammable
Lower explosion limit	The product is not explosive

## 9.2. Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

No decomposition.

### 10.3. Possibility of hazardous reactions

The material does not constitute a fire hazard, nor any risk of explosion.

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No data available

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## 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<sub>50</sub> Fish: > 10 000 mg/l  
Exposure time: 96 h  
Toxicity to daphnia and LC<sub>50</sub> Daphnia: > 1 000 mg/l  
Other aquatic invertebrates: Exposure time: 49 h  
Toxicity to algae:

General: The product does not constitute an environmental hazard

### 12.2. Persistence and degradability

Stable (very low solubility).

### 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

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## 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.

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## SECTION 14: Transport information

### 14.1. UN number

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### 14.4. Packing group

### 14.5. Environmental hazards

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## 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.

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## 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

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## SECTION 16: Other information

### 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 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 -

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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 used 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.*