

# SAFETY DATA SHEET

## GLAVA Glassull

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 15.10.2019

#### 1.1. Product identifier

Product name GLAVA Glassull

No requirement for SDS This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.

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

Use of the substance / preparation Isolation

#### 1.3. Details of the supplier of the safety data sheet

##### Producer

Company name Glava AS

Postal address Nybråtveien 2

Postcode 1801

City ASKIM

Country NORGE

Telephone number 69818400

Fax 69818478

Email [lise.gunn.skretteberg@glava.no](mailto:lise.gunn.skretteberg@glava.no)

Website <http://www.glava.no>

#### 1.4. Emergency telephone number

Emergency telephone Telephone number: +47 22 59 13 00  
Description: Norwegian Poison Information Center

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

CLP classification, notes Classification according to (EC) No.1272/2008: Not classified.

## 2.2. Label elements

Special supplemental label information mixtures	Fibers in contact with skin may cause a temporary itch.
Other label information (CLP)	NOT CLASSIFIED according to health-, fire- and environmental hazard.

## 2.3. Other hazards

PBT / vPvB	The chemical contains no PBT or vPvB substances.
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## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Glass wool fibers	EC No.: 926-099-9 REACH Reg. No.: 01-2119472312-44-0032		89 - 100 %	
Binding agent			< 10 %	
Remarks, substance	Glass wool fibers: MMVF: Man-made vitreous (silicate) fibers which contain a random orientation of oxides from alkali metals and earth metals (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO) larger than 18 %wt and which meets the requirements of note Q.			
Substance comments	See section 16 for explanation of hazard statements (H) listed above.			

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Emergency telephone number: see section 1.4.
Inhalation	Fresh air and rest. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing. Skylt i kaldt vann. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Promptly rinse eyes with plenty of water (tempered at 20-30°C) for at least 15 minutes. Remove contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth with water. Drink plenty of water. Do not induce vomiting. Get medical attention if any discomfort continues.

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

General symptoms and effects	Fibers in contact with skin may cause a short term itch.
Acute symptoms and effects	Fibers may irritate the skin mechanically. Dust may cause mechanical irritation of mucous membranes. Symptoms may include coughing, sore throat, reddening, burning sensation and heavy watering of the eyes

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

Other information	Treat symptomatically. No specific information from the manufacturer.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Improper extinguishing media	Do not use water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Glava glassull is not flammable and does not contribute to a fire.
Hazardous combustion products	May include, but is not limited to: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Unspecified organic compounds. The binding material may begin to decompose and release irritating and dangerous gasses the first time the material is heated to over 150 °C.

### 5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Ensure adequate ventilation. Use protective equipment as referred to in section 8. Avoid contact with skin and eyes.
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### 6.2. Environmental precautions

Environmental precautionary measures	Do not allow to enter into sewer, water system or soil.
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### 6.3. Methods and material for containment and cleaning up

Clean up	Collect in suitable containers and deliver as waste according to section 13.
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### 6.4. Reference to other sections

Other instructions	See also sections 8 and 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	Provide adequate ventilation. Use protective equipment as referred to in section 8. Avoid contact with skin and eyes. In order to avoid unnecessary handling, open the package at the site of use. Cut with proper tools to avoid unnecessary dust formation.
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### Protective safety measures

Advice on general occupational hygiene	Do not eat, drink or smoke during work. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing
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before reuse.

## 7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in a dry place.
Conditions to avoid	Protect from moisture.

### Conditions for safe storage

Advice on storage compatability	Keep away from: Food and feed.
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## 7.3. Specific end use(s)

Specific use(s)	See section 1.2.
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## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Mineral wool		Limit value (8 h) : 1 fiber/ cm <sup>3</sup>	
Control parameters comments	References (laws/regulations): Norwegian regulation on exposure limits: "FOR-2011-12-06-1358 Forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier)".		

### 8.2. Exposure controls

#### Precautionary measures to prevent exposure

Technical measures to prevent exposure	<p>Provide adequate ventilation. The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment.</p> <p>A risk assessment of the work place/work activities (the actual risk) may lead to other control measures. The protection equipment's suitability and durability will depend on application.</p>
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#### Eye / face protection

Eye protection equipment	<p>Description: Use tight fitting goggles if dust is generated.</p> <p>When working overhead: Wear tight-fitting goggles or face shield.</p> <p>Reference to relevant standard: EN 166 (Personal eye-protection. Specifications).</p>
Additional eye protection measures	Eye wash facilities should be available at the work place. Either a fixed eye wash facility connected to the drinking water (preferably warm water) or a portable disposable unit.

#### Hand protection

Suitable gloves type	Use gloves.
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Breakthrough time	Comments: Not relevant. The chemical is a solid.
Thickness of glove material	Comments: No specific information from the manufacturer.
Hand protection equipment	Description: Use protective gloves that are suitable for the application. Glove thickness must be chosen in consultation with the glove supplier. The gloves abilities may vary among the different glove manufacturers. Reference to relevant standard: BS-EN 374 (Protective gloves against chemicals and micro-organisms). BS-EN 420 (Protective gloves. General requirements and test methods).
Additional hand protection measures	Replace gloves if signs of wear and tear.

## Skin protection

Recommended protective clothing	Description: Wear appropriate protective clothing to protect against possible skin contact. Long sleeved clothing.
Additional skin protection measures	Emergency shower should be available at the workplace.

## Respiratory protection

Recommended respiratory protection	Description: Use respiratory equipment with particle filter, type P2. The first time the material is heated to a temperature of 150°C or higher, use a fresh air hose or compressed air line breathing apparatus if you are present. Reference to relevant standard: EN 143 (Respiratory protective devices. Particle filters. Requirements, testing, marking). EN 12083 (Respiratory protective devices. Filters with breathing hoses, (Non-mask mounted filters). Particle filters, gas filters, and combined filters. Requirements, testing, marking).
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## Appropriate environmental exposure control

Environmental exposure controls	Do not allow to enter into sewer, water system or soil.
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# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state	Solid.
Colour	Light yellow. Yellow.
Odour	Slight odour. may occur.
Odour limit	Comments: Not specified by the manufacturer.
pH	Comments: Not relevant.
Melting point / melting range	Comments: Not relevant.
Flash point	Comments: Not relevant.
Evaporation rate	Comments: Not relevant.
Flammability (solid, gas)	Glassull is Not combustible. Euroclass A1 or A2 Special products with flammable coatings may be subjected to another classification.

Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Vapour density	Comments: Not relevant.
Relative density	Comments: Not specified by the manufacturer.
Density	Value: 10 -140 kg/m <sup>3</sup>
Solubility	Medium: Water Comments: Insoluble.
Partition coefficient: n-octanol/ water	Comments: Not specified by the manufacturer.
Spontaneous combustability	Comments: Not relevant.
Decomposition temperature	Comments: The binding material may start to decompose and release irritating or dangerous gasses the first time it is heated to 150°C or higher.
Viscosity	Comments: Not relevant.
Explosive properties	Not explosive.
Oxidising properties	Not oxidizing.

## 9.2. Other information

### Other physical and chemical properties

Physical and chemical properties	Sinter Temperature: > 600 °C
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Under normal use there is no known reactivity risk associated with this product.
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### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal conditions.
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### 10.4. Conditions to avoid

Conditions to avoid	Protect from moisture. Binding material Decomposes at temperature 150 °C or higher.
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### 10.5. Incompatible materials

Materials to avoid	Not specified by the manufacturer.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See also section 5.2.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Other information regarding health hazards

Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of skin corrosion / irritation, classification	Based on available data, the classification criteria are not met.
Assessment of eye damage or irritation, classification	Based on available data, the classification criteria are not met.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met. Due to the high biosolubility of Glava glassull, the product is exempt from suspicion of any carcinogenic effects. With regards to EU Directive 97/69/EC (note Q). WHO's international cancer research institute, IARC, classified in October 2001 glass wool in group 3, which encompasses products not classifiable as cancerous for humans.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - repeated exposure, classification	Based on available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Based on available data, the classification criteria are not met.

#### Symptoms of exposure

In case of ingestion	No specific information from the manufacturer.
In case of skin contact	Fibers may irritate the skin mechanically and cause short term itch.
In case of inhalation	Dust may cause mechanical irritation of mucous membranes. Symptoms may include coughing, sore throat, reddening, burning sensation and heavy watering of the eyes
In case of eye contact	Dust may give mechanical eye irritation.
Other information	With normal installation and use Glava glassull is not dangerous through inhalation, ingestion or in contact with the skin or eyes. The first time the material is heated to 150 °C or higher, irritating and/or dangerous gasses may be released, in this case personal protective equipment must be used.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity	Not classified as dangerous to the environment.
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### 12.2. Persistence and degradability

Persistence and degradability description/evaluation	The chemical consists mainly of inorganic materials which are not biodegradable.
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### 12.3. Bioaccumulative potential

Bioaccumulation, comments	Information on bioaccumulation is not available for the chemical.
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### 12.4. Mobility in soil

Mobility	Insoluble in water.
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### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
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### 12.6. Other adverse effects

Additional ecological information	Do not allow to enter into sewer, water system or soil.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Dispose of on site landfill area. The waste code (EWC-Code) is intended as a guide. The user must select a code if the use differs from the one mentioned below.
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EWC waste code	EWC waste code: 170604 insulation materials other than those mentioned in 17 06 01 and 17 06 03 Classified as hazardous waste: No
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Other information	Do not empty into drains.
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## SECTION 14: Transport information

Dangerous goods	No
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### 14.1. UN number

Comments	Not considered as dangerous goods under UN, IMO, ADR/RID or IATA/ICAO regulations.
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### 14.2. UN proper shipping name

Comments	Not relevant.
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**14.3. Transport hazard class(es)**

Comments	Not relevant.
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**14.4. Packing group**

Comments	Not relevant.
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**14.5. Environmental hazards**

IMDG Marine pollutant	No
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**14.6. Special precautions for user**

Special safety precautions for user	Not relevant.
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**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code****ADR/RID Other information**

Other applicable information ADR/RID	Not known.
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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

References (laws/regulations)	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP-regulation) with later amendments. Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments. Dangerous Goods regulations The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).
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**15.2. Chemical safety assessment**

Chemical safety assessment performed	No
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**SECTION 16: Other information**

Supplier's notes	This document is voluntary product information in the format of a safety data sheet.
Key literature references and sources for data	The Safety Data Sheet is based on information provided by the producer. Suppliers Safety data sheet dated: 30.06.2015.
Abbreviations and acronyms used	ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road EWC: European Waste Code (a code from the EU's common classification system for waste) IATA: The International Air Transport Association ICAO: The International Civil Aviation Organisation IMDG: The International Maritime Dangerous Goods Code PBT: Persistent, Bioaccumulative and Toxic RID: The Regulations concerning the International Carriage of Dangerous Goods by Rail vPvB: very Persistent and very Bioaccumulative

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Information added, deleted or revised	New Safety Data Sheet.
Checking quality of information	This SDS is quality controlled by Kiwa Teknologisk Institutt in Norway, certified according to the Quality Management System requirements specified in ISO 9001:2015.
Version	1
Prepared by	Kiwa Teknologisk Institutt as, Norway by Sharon M. Løver