

# SAFETY DATA SHEET

SDS No.3001-0002

Revised date March 3, 2017

1/4 page

## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Glass wool  
SUPPLIER NAME : GL Sciences Inc.  
ADDRESS : 22-1 Nishishinjuku 6-chome Shinjuku-ku Tokyo 163-1130, Japan  
CHARGE SECTION : International Sales Section  
TELEPHONE No. : +81-3-5323-6620  
FACSIMILE No. : +81-3-5323-6621  
PRODUCT No. : 3001-12504, 3001-12505  
SDS No. : 3001-0002  
Research use only.

## 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : Skin corrosion/irritation : Category 2  
Eye damage/irritation : Category 2B  
Carcinogenicity : Category 2  
Specific target organ toxicity (Single exposure) : Category 3(respiratory irritation)

HAZARDS SYMBOL :



SIGNAL WORD : Warning

HAZARD STATEMENTS :

H315 Cause skin irritation  
H320 Cause eye irritation  
H351 Suspected of causing cancer  
H335 May cause respiratory irritation

PRECAUTIONARY STATEMENTS :

P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/fume/gas/mist/vapour/spray.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P332+P313 If skin irritation occurs: Get medical attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical attention.  
P308+P313 IF exposed or concerned: Get medical attention.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER or doctor if you feel unwell.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with all applicable regulations.

MOST IMPORTANT HAZARDS : Eye irritation, skin irritation, digestive tract irritation, respiratory tract irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY : Glass wool  
CONTENT : > 99 %  
CHEMICAL FORMULA : SiO<sub>2</sub>  
CAS No. : 65997-17-3  
TSCA INVENTORY : Listed  
EINECS No. : 266-046-0  
EC INDEX No. : Not established

**4. FIRST AID MEASURES**

- GENERAL ADVICE** : Wash off immediately with plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.
- INHALATION** : Gargle with pure water about 10 times, and blows a nose. If irritation persists, consult a physician.
- SKIN CONTACT** : Do not scratch as much as possible. Wash with flooding water, next warm water. Taking bath is effective to remove glass wool.
- EYE CONTACT** : Remove any contact lenses at once. Flush eyes well with pure flooding of running water at least 15 minutes. If irritation persists, consult a physician.
- INGESTION** : Rinse mouth and gargle. If irritation persist, consult a physician.

**5. FIRE FIGHTING MEASURES**

- EXTINGUISHING MEDIA** : This product is noncombustible.
- FIRE & EXPLOSION HAZARDS** : Toxic, irritating, dust or smoke may be emitted. Glass wool is non-combustible.
- SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS** : Firemen should wear normal protective equipment(full bunker gear) and positive-pressure self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

- PERSONAL PRECAUTIONS** : In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.
- ENVIROMENTAL PRECATIONS** : Prevent spills from entering sewers, watercourses or low areas.
- METHODS FOR CLEAN UP** : Do not touch spilled material without suitable protection. Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust). Then, wash the spill site with soap and water and ventilate the area. Pull all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose contaminated clothing.

**7. HANDLING AND STORAGE**

- HANDLING** : Avoid contact with eyes, skin, and clothing, and avoid breathing. Avoid prolonged or repeated exposure. Handle material with suitable protection.
- STORAGE** : Store away from sunlight in well-ventilated dry place at room temperature. Keep container tightly closed.
- INCOMOPATIBLE PRODUCTS** : Strong oxidizers and strong acids

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

- ENGINEERING MEASURES** : Use exhaust ventilation to keep airborne concentrations below exposure limits. Use only with adequate ventilation.
- VENTILATION** : Local Exhaust ; Necessary, Mechanical(General) ; Recommended
- PERSONAL PROTECTION**
- RESPRATORY PROTECTION** : Safety mask
- HAND PROTECTION** : Safety gloves
- EYE PROTECTION** : Safety glasses(goggles)
- SKIN PROTECTION** : Protective clothing
- CONTROL PARAMETERS**
- ACGIH TLV** : respirable dust 3mg/m<sup>3</sup>
- OSHA PEL** : No data available
- NIOSH REL** : No data available

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	: White
SHAPE	: Fiber
ODOR	: No data available
pH	: No data available
BOILING POINT	: No data available
MELTING POINT	: Approx. 710 °C
FLASH POINT	: Non combustible
FLAMMABILITY	: No data available
AUTOIGNITION TEMPERATURE	: No data available
VAPOR PRESSURE	: No data available
VAPOR DENSITY	: No data available
DENSITY	: Approx. 2.5(massive)
SOLUBILITY IN	
Organic solvent, Water	: Insoluble
Hydrofluoric acid, strong bases	: Soluble
DECOMPOSITION TEMPERATURE	
	: No data available

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**10. STABILITY AND REACTIVITY**

REACTIVITY	: Stable under recommended storage conditions.
CHEMICAL STABILITY	: No data available
CONDITION TO AVOID	: Sunlight, heat, moisture, CO <sub>2</sub> , oxidizers, acids
INCOMPATIBLE MATERIALS	: No data available
HAZARDOUS DECOMPOSITION PRODUCTS	
	: Strong oxidizers and strong acids

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**11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY	: No data available
SKIN CORROSION/IRRITATION	: May cause temporary irritation of skin, and eye
EYE DAMAGE/EYE IRRITATION	: May cause temporary irritation of skin, and eye
GERM CELL MUTAGENICITY	: No data available
CARCINOGENICITY	: Glass wool; IARC Class 2B
REPRODUCTIVE TOXICITY	: No data available
SPECIFIC TARGET ORGAN TOXICITY	
	: May cause temporary respiratory irritation.
ASPIRATION TOXICITY	: No data available
ADDITIONAL INFORMATION	
NTP	: Not listed
IARC	: Class 2B
OSHA	: Not listed
ACGIH	: Not listed
OTHER INFORMATION	: No data available

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**12. ECOLOGICAL INFORMATION**

ECOTOXICITY	: Fish; TLm96=1000ppm or more
BIODEGRADABILITY	: No data available
BIOACCUMULATION POTENTIAL	: No data available
MOBILITY IN SOIL	: No data available
OTHER ADVERSE EFFECTS	: Not listed in Montreal Protocol list.

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**13. DISPOSAL INFORMATION**

Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environment agency for specific rules).

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**14. TRANSPORT INFORMATION**

IATA	: Not dangerous goods
ADR/RID	: Not dangerous goods
DOT(Department of Transportation)	: Not dangerous goods
MARINE POLLUTANT	: Not classified

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**15. REGULATORY INFORMATION**

US REGULATIONS : Labeling according to EC Directives; See section 2

EU REGURATIONS : Labeling according to EC Directives; See section 2

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**16. OTHER INFORMATION****NOTICE:**

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein and for its intended use as an analytical reference standard or reagent and to the unit quantity intended for that purpose. The information does not relate to, and may not be appropriate for, any application or larger quantity of the substance described. Our products are intended for the use by individuals possessing sufficient technical skill and qualification on use the material potential hazardous chemical. Accordingly, no representation or warranty, express or implied, with respect to merchantability and fitness for a particular purpose is made with respect to the information contained herein.

**Attention:**

This product in terms of chemical identity and the unit amount provide is intended for use in chemical analysis and not for human consumption, nor any other purpose.