

# SAFETY DATA SHEET

SDS No.3001-12404

Date

April 25, 2017

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## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Quartz wool Fine (Silane treated)  
NAME OF MANUFACTURER : 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. : 3001-12404  
SDS No. : 3001-12404  
Research use only.

## 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : Classification not possible  
HAZARDS SYMBOL : - - -  
SIGNAL WORD : - - -  
HAZARD STATEMENTS : - - -  
PRECAUTIONARY STATEMENTS : - - -  
OTHER INFORMATIONS : May be harmful if inhaled and ingested.  
May cause eye and skin irritation.  
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 : Quartz wool  
CONTENT : > 99.9%  
CHEMICAL FORMULA : SiO<sub>2</sub>  
CAS No. : 60676-86-0(Quartz wool)  
TSCA INVENTORY : Listed(Quartz wool)  
EINECS No. : 262-373-8(Quartz wool)  
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 blow 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 persists, 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.  
ENVIRONMENTAL PRECAUTIONS : 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.
- INCOMPATIBLE 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
- RESPIRATORY 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 : 80 mg/m<sup>3</sup>/% SiO<sub>2</sub>(as amorphous silica)
- NIOSH REL : No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE : White
- SHAPE : Fiber
- ODOR : No data available
- pH : No data available
- BOILING POINT : No data available
- MELTING POINT : No data available
- FLASH POINT : Non combustible
- FLAMMABILITY : No data available
- AUTOIGNITION TEMPERATURE : No data available
- VAPOR PRESSURE : No data available
- VAPOR DENSITY : No data available
- DENSITY : No data available
- SOLUBILITY IN
- Organic solvent, Water : Insoluble
- DECOMPOSITION TEMPERATURE : No data available

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

11. TOXICOLOGICAL INFORMATION

- ACUTE TOXICITY : No data available
- SKIN CORROSION/IRRITATION : May cause irritation of skin, and eye
- EYE DAMAGE/EYE IRRITATION : May cause irritation of skin, and eye
- GERM CELL MUTAGENICITY : No data available
- CARCINOGENICITY : Quartz wool; IARC Class 3
- REPRODUCTIVE TOXICITY : No data available
- SPECIFIC TARGET ORGAN TOXICITY : No data available
- ASPIRATION TOXICITY : No data available

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ADDITIONAL INFORMATION

NTP : Not listed  
IARC : Not listed  
OSHA : Not listed  
ACGIH : Not listed

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## 12. ECOLOGICAL INFORMATION

ECOTOXICITY : No data available  
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 REGULATIONS : 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.