

SAFETY DATA SHEET

SDS No.6220-0006

Revised date December 11, 2019 1/4 page

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Quartz wool
NAME OF SPPLIER : 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. : 6220-50001, 6220-50002, 6220-50003, 6220-50004, 6220-50005, 6220-50006,
6220-
SDS No. : 6220-0006
Research use only.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : Classification not possible
HAZARDS SYMBOL : - - -
SIGNAL WORD : - - -
HAZARD STATEMENTS : - - -
PRECAUTIONARY STATEMENTS : - - -
HAZARD INFORMATION : May cause respiratory tract irritation if inhaled.
May cause eye, skin and mucous irritations if contact with.
May be harmful if ingested.
May induce damage to the lung through prolonged or repeated exposure.
MOST IMPORTANT HAZARDS : No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE : Substance
CHEMICAL NAME : Silica, vitreous
SYNONIMS : Silica, amorphous; Silicon dioxide (vitreous); Vitreous silica, quartz glass,
fused silica
CONTENT : >=99.99 %
CHEMICAL FORMULA : SiO₂
MOLECULAR WEIGHT : -
CAS RN : 60676-86-0
TSCA INVENTORY : Listed
EINECS No. : 262-373-8

4. FIRST AID MEASURES

GENERAL ADVICE : Consult a physician. Show this safety data sheet to the doctor in attendance.
INHALATION : Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.
SKIN CONTACT : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. Consult a physician if you feel unwell. In case of a cut, wash with water and immediately take measure such as hemostasis and disinfection and get medical attention.
EYE CONTACT : Flush eyes well with flooding large amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If possible, remove any contact lenses. Do not rub eyes or close tightly. Consult a physician if irritation persists.
INGESTION : Rinse mouth and gargle. Never give anything by mouth to an unconscious person. Do not induce to vomit. Consult a physician.
MOST IMPORTANT SYMPTOMS : Irritating on contact with eyes, skin and mucous membranes. Long -term exposure may cause symptoms such as discomfort, abdominal pain, diarrhea, and nausea.

5. FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA : Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- FIRE & EXPLOSION HAZARDS : Toxic, irritating, dust/fume/smoke may be emitted. Carbon monoxide may be foamed.
- 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 : Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.
- ENVIRONMENTAL PRECAUTIONS : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
- METHODS FOR CLEAN UP : Do not touch spilled material without suitable protection. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

- HANDLING : In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Avoid prolonged or repeated exposure. Handle this product with suitable protection.
- STORAGE : Store away from sunlight, heat and all ignition sources in well-ventilated dry place. Keep container tightly closed.
- INCOMPATIBLE PRODUCTS : No data available

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- ENGINEERING MEASURES : Use exhaust ventilation to keep airborne concentrations below exposure limits. Use adequate ventilation.
- VENTILATION : Local Exhaust ; Necessary, Mechanical(General) ; Necessary
- CONTROL PARAMETERS
 - ACGIH : TWA 0.1mg/m³
 - OSHA : TWA 20 mppcf (80 mg/m³/%SiO₂)
 - NIOSH : TWA 6mg/m³
- PERSONAL PROTECTION
 - Respiratory protection : Use respirators approved under appropriate government standards and follow all regulations.
 - HAND PROTECTION : Leather gloves
 - EYE PROTECTION : Safety glasses(goggles)
 - SKIN PROTECTION : Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE : Solid (Fibrous)
- COLOUR : Colorless, transparent
- ODOR : Odorless
- MELTING POINT / FREEZING POINT : 2,227°C
- BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE : No data available
- FLAMMABILITY : Non Flammable
- AUTOIGNITION TEMPERATURE : No data available
- pH : No data available
- KINEMATIC VISCOSITY : Not applicable
- SOLUBILITY : No data available, Insoluble in water and organic solvent.
- PARTITION COEFFICIENT
 - n-octanol/water (log value) : No data available
- VAPOR PRESSURE : No data available
- DENSITY AND/OR RELATIVE DENSITY : 2.2 g/cm³(15°C)
- RELATIVE VAPOR DENSITY : No data available
- PARTICLE CHARACTERISTICS : No data available

10. STABILITY AND REACTIVITY

REACTIVITY : Stable under recommended storage conditions.
 CHEMICAL STABILITY : Reacts with strong oxidizers.
 CONDITION TO AVOID : No data available
 INCOMPATIBLE MATERIALS : No data available
 HAZARDOUS DECOMPOSITION PRODUCTS : No data available, but there is a possibility of crystallization by holding at high temperature (>1,000°C) for a long time.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (Oral) : No data available
 ACUTE TOXICITY (Dermal) : No data available
 ACUTE TOXICITY (Inhalation: Vapors) : No data available
 ACUTE TOXICITY (Inhalation: Dusts and mists) : No data available
 SKIN CORROSION/IRRITATION : No data available
 EYE DAMAGE/EYE IRRITATION : No data available
 RESPIRATORY SENSITIZATION : No data available
 SKIN SENSITIZATION : No data available
 GERM CELL MUTAGENICITY : No data available
 CARCINOGENICITY : Classified in Group 3 by IARC.
 REPRODUCTIVE TOXICITY : No data available
 SPECIFIC TARGET ORGAN TOXICITY
 Single exposure : No data available
 SPECIFIC TARGET ORGAN TOXICITY
 Repeated exposure : No data available
 ASPIRATION HAZARD : No data available

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment
 (Acute hazard) : No data available
 Hazardous to the aquatic environment
 (Chronic hazard) : No data available
 BIODEGRADABILITY : May not occur microbial degradation
 BIOACCUMULATIVE POTENTIAL : No data available
 MOBILITY IN SOIL : No data available
 HAZARDOUS TO THE OZONE LAYER : This substance is not listed in Annexes to the Montreal Protocol.

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).

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

For classification and labeling of chemicals in accordance with the applicable rules and regulations in the EU or each country, refer to GHS classification of this product (See Section 2).

US REGULATION : OSHA HCS 2012/29 CFR 1910.1200
 EU REGULATION : CLP Regulation ((EC) No. 1272/2008)

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.