

# SAFETY DATA SHEET

SDS No.5010-29700

Date

December 1, 2014

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## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Carbon silicagel 3s  
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. : 5010-29700  
SDS No. : 5010-29700  
Research use only.

## 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : Classification not possible  
HAZARDS SYMBOL : - - -  
SIGNAL WORD : - - -  
HAZARD STATEMENTS : - - -  
PRECAUTIONARY STATEMENTS : - - -  
OTHER INFORMATION : May harmful if inhalation or ingestion.  
May induce irritation of eyes, skin and respiratory system.  
May induce vomiting or headache by long-term inhalation.  
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 : Carbon silicagel  
SYNONYMS : - - -  
CHEMICAL FORMULA : Mixture

CHEMICAL IDENTITY	CONTENT	CHEMICAL FORMULA	CAS No.	TSCA INVENTORY	EINECS No.	EC INDEX No.
Silica gel	97%	SiO <sub>2</sub>	7631-86-9	Listed	231-545-4	Not established
Carbon	3%	C	7440-44-0	Listed	231-153-3	Not established

## 4. FIRST AID MEASURES

GENERAL ADVICE : Wash off with soap and 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 : Move victim to fresh air and gargle. 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, or wipe off cleansing cream with coating, tender cloth. Use soap to help assure removal. If irritation persists, consult a physician.  
EYE CONTACT : Remove any contact lenses at once. 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 irritation persists, consult a physician.  
INGESTION : Rinse mouth and gargle. Never give anything by mouth to an unconscious person. Consult a physician.

## 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Carbon dioxide, dry chemical powder, foam, water spray  
FIRE & EXPLOSION HAZARDS : Toxic and irritating dust, fumes or smoke may be emitted.  
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS : Fireman 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.
- ENVIROMENTAL PRECATIONS : Prevent spills from entering sewers, watercourses or low areas. Comply with local disposal regulations.
- METHODS FOR CLEANING UP : Do not touch spilled material without suitable protection. After material is completely picked up, 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. Avoid prolonged or repeated exposure. Handle this product with appropriate protective equipments.
- STORAGE : Store away from sunlight in a cool well-ventilated dry place. Keep container tightly closed.
- INCOMOPATIBLE PRODUCTS : Oxidizers and acids

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- ENGINEERING MEASURES : Use exhaust ventilation to keep airborne concentrations below exposure limits. Use adequate ventilation.
- VENTILATION : Local Exhaust ; Recommended, Mechanical(General) ; Recommended
- CONTROL PARAMETERS
- OSHA PEL : respirable dust: 3.5mg/m<sup>3</sup>
- NIOSH REL : Not established
- ACGIH : respirable dust: 3.5mg/m<sup>3</sup>
- PERSONAL PROTECTION
- RESPRATORY PROTECTION : Half or full face piece respirator, self-contained breathing apparatus, supplied air respirator, etc. Use respirators approved under appropriate government standards and follow all regulations.
- HAND PROTECTION : Safety gloves
- EYE PROTECTION : Safety glasses(goggles)
- SKIN PROTECTION : Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE : Black
- SHAPE : Solid
- ODOR : Odorless
- pH : No data available
- BOILING POINT : No data available
- MELTING POINT : No data available
- FLASH POINT : No data available
- FLAMMABILITY : No data available
- AUTOIGNITION TEMPERATURE : No data available
- VAPOR PRESSURE : No data available
- SPACIFIC GRAVITY (DENSITY) : No data available
- SOLUBILITY IN
- Water : Insoluble
- Organic solvent : Insoluble
- PARTITION COEFFICIENT ; n-octanol/water : No data available
- DECOMOSIION TEMPERATURE : No data available

10. STABILITY AND REACTIVITY

- REACTIVITY : It may cause heating or ignition depending on a kind/concentration of adsorption materials.
- CHEMICAL STABILITY : Stable under recommended storage conditions.
- CONDITION TO AVOID : Sunlight, heating, moisture, CO<sub>2</sub>, contact with incompatible materials
- INCOMPATIBLE MATERIALS : Oxidizers, acids, alkalis, ozone, hydrogen peroxide
- HAZARDOUS DECOMPOSITION PRODUCTS : CO, CO<sub>2</sub>

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**11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY : No data available  
SKIN CORROSION/IRRITATION : No data available  
EYE DAMAGE/EYE IRRITATION : No data available  
SENSITATION : No data available  
GERM CELL MUTAGENICITY : No data available  
CARCINOGENICITY : No data available  
REPRODUCTIVE TOXICITY : No data available  
SPECIFIC TARGET ORGAN TOXICITY  
ASPIRATION TOXICITY : No data available

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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  
HAZARDOUS TO THE OZONE LAYER  
: 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 US regulation; 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.