

# Silica gel

## 1. MANUFACTURER INFORMATION

- 1) Product Name : Silica gel
- 2) Recommended use of the chemical and restrictions on use
  - A. Restrictions on use : Not available except the intended use of the product
- 3) Supplier's details

KLT Co., Ltd.	Telephone Number for Information:
34-12, Bangchon-ro 955beon-gil	Tel.: +82 (2) 2135-3788
Tanhyeon-myeon, Paju-si, Gyeonggi-do	Fax : +82 (2) 2083-8485
Republic of Korea	sales.asia@pulsarlube.com

Emergency telephone number +82 (2) 2135-3788

## 2. Hazardousness and Harmfulness

- 1) **Hazardousness**  
No information available on significant adverse effects.
- 2) **Harmfulness**  
No information available on significant adverse effects.
- 3) **Surroundings in influence**  
No information available on significant adverse effects.

## 3. Composition and ingredients

Chemical Family	: Silica gel Orange A Type ( same as B Type, AB type )
Monotype . Mixture	: Monotype
Chemicals Name	: Silicon Dioxide
Component	: SiO <sub>2</sub> 99.5Wt % Over
Molecular Formula	: SiO <sub>2</sub>
Official Gazette No.	: 1-548
CAS Registry No.	: 7631-86-9

## 4. First-aid and Treatment

- |            |   |
|------------|---|
| Eye        | : Wash eyes immediately and carefully with running water.<br>If necessary, get prompt medicals attention. |
| Skin       | : Wash with running water.  |
| Inhalation | : Wash out mouth and nostrils with water.<br>Get medical attention if large amounts are inhaled           |
| Ingesting  | : If large amounts have been ingested, give water to cause vomiting. If necessary, get medical attention. |

## 5. Fire Hazard

Firefighting	: In case of surrounding fire, move container to safe place if possible or discharge water to cool without damage if immovable.
Firefighting Media	: Extinguishing using every agent suitable for type of surrounding fire.

## 6. Spill and Leak Procedures

Place into suitable dry container as dust does not disperse.  
Wear appropriate protective clothing and equipment work keeping upwind, as this material splits and disperses when it contacts with water.

## 7. Handling and storage precaution

Handling	: When dust occurs, wear a mask.
Storage	: (1) Store in a cool, dry area keeping in a tightly closed container. (2) Keep in a house

## 8. Exposure personal protection

Controlled Density	: No information available.
Permissible Density	: Japan industrial hygiene society (1992 year version) : No. 3 classification powder Inhalation 2mg/m <sup>3</sup> Total dust 8mg/m <sup>3</sup> ACGIH(1991 year version) : TLV-TWA 10mg/m <sup>3</sup>
Protective Equipment	: When dust occurs, Provide local exhaust ventilation system If possible

### 1) Protection

Protective inhalation	: Wear a mask in much dust.
Protective Glass	: Wear safety goggles.

## 9. Physicals and Chemical Data

Appearance and Odor	: Odorless, colorless to white, glassy spherical granules
Boiling Point	: 2,230 °C
Vapor Pressure	: None
Volatilization	: None
Melting Point	: 1,710 °C
True Density	: 2.1 g/cc
Packed Density	: A Type 0.70-0.750 B Type 0.460-0.560
Solubility in water	: Insoluble %
Others	: PH 4.0-8.0

## 10. Hazard Information (Stability, reaction)

Ignition Points	: Non
Flashing Points	: Non
Explosion Limit	: Non

## PSDS (Product Safety Data Sheet)

Flammability	: Non
Ignitability (Spontaneous Ignition, Reaction with water)	: Non
Oxygenation	: Non
Self-reactivity	: Non
Explosives	: Non
Powder Explosives	: Non
Stability . Reactivity	: Stability
Others	: Adsorption

### 11. Harmfulness Information

Skin Corrosion	: No data available
Irritation(Skin, Eyes)	: No data available
Sensitization	: No data available
Acute Toxicity (include 50% Lethal dose)	: 4500mg/kg (Ref. 1) (mouse or rat, oral)
Non-acute Toxicity	: No data available
Chronic Toxicity	: No information available on significant effects. (Ref. 2)
Cancerating	: No data available
Mutagenicity (Microbe, Chromosome abnormality)	: No information available on significant effects. (Ref. 3)
Reproduction Toxicity	: No data available
Others (include generation of harmful gas reacted on water)	: No data available

### 12. Surroundings influence information

Disintegration	: No data available
Accumulation	: No data available
Fish Toxicity	: No data available

### 13. Waste Disposal Precaution

Observe all regulations when disposing of this substance

### 14. Transportation Precaution

Transport this substance avoiding surroundings of high humidity and temperature and closing tightly.

### 15. Governing Regulation

Following regulations are not applied.

- (1) the Labour standards Law
- (2) the Safety and Health of Labour Law
- (3) the Control of Poison and Drastic medicine Law
- (4) the Fire fighting Law
- (5) the Regulation relative to application of Ocean contamination and accident Law
- (6) the water contamination prevention Law
- (7) the Air Pollution Prevention Law

## 16. OTHER INFORMATION

### 1) Source of the data

- (1) Chemical manufacturer's information : SDS(SAFETY DATA SHEET) Data
- (2) Chem Guide CAS DataBase
- (3) Corporate Solution From Thomson Micromedex(<http://csi.micromedex.com>)
- (4) ECB-ESIS(European chemical Substances Information System)(<http://ecb.jrc.it/esis>)
- (5) ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)
- (6) IUCLID Chemical Data Sheet, EC-ECB
- (7) International Chemical Safety Cards(ICSC)(<http://www.nihs.go.jp/ICSC>)
- (8) TOXNET, U.S. National Library of Medicine(<http://toxnet.nlm.nih.gov>)
- (9) The Chemical Database, The Department of Chemistry at the University of Akron  
(<http://ull.chemistry.uakron.edu/erd>)
- (10) Korea Information System for Chemical Safety, KISChem (<http://kischem.nier.go.kr>)
- (11) Chemical information system (<http://ncis.nier.go.kr>)
- (12) Grease Raw material manufacturer's information : PSDS(PRODUCT SAFETY DATA SHEET) Data

2) The first creation date : December 13, 2024

3) The number of times, and the final revision date : Revision times 01

The final revision date : December 13, 2024

### Further information

*Pulsarlube has prepared copyrighted Product Safety Datasheets to provide information on the different Pulsarlube automatic grease lubricator systems. As defined in above the text Pulsarlube automatic grease lubricator are manufactured articles, which do not result in exposure to a hazardous chemical under normal conditions of use. The information and recommendations set forth herein are made in good faith, for information only, and are believed to be accurate as of the date of preparation. However, Pulsarlube, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS INFORMATION AND DISCLAIMS ALL LIABILITY FROM REFERENCE ON IT.*