

# Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH), Annex II  
(COMMISSION REGULATION (EU) No 453/2010)

Version: 1.0/EN  
Product name: SILICA GEL

Revision date: 30/01/2019  
Printing date: 30/01/2019

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: SILICA GEL  
Substance name: Silicon dioxide  
REACH Reg. No.: No registration number is given.  
CAS No.: 7631-86-9

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Dry, adsorption, filtration and purification.  
Uses advised against: No information available.

### 1.3 Details of the supplier of the SDS

Manufacturer: Qingdao Meigao Chemical Co., Ltd  
Address: 28 Shuangyuan Road, Chengyang District, Qingdao City, Shandong Province, China.  
Postal code: 266108  
E-mail: makall@silica-gel.com.cn  
Telephone: +86-532-81109088  
Fax: +86-532-87710987

Importer:  
Address:  
E-mail:  
Telephone:



### 1.4 Emergency telephone number

+86-532-7719687

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008[CLP]

This product is not classified as hazardous.

Classification according to Directive 67/548/EEC[DSD] or Directive 1999/45/EC[DPD]

This product is not classified as hazardous.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008[CLP]

Hazard pictogram(s): No pictogram is used.  
Signal word: No signal word is used.  
Hazard statement(s): No hazard statement.

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**Precautionary statement(s):** No precautionary statement.

**Supplemental Hazard information (EUH):**

No information available.

**Special rules for supplemental label elements for certain mixtures:**

No information available.

## 2.3 Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance/Preparation information

Substance name: Silicon dioxide

CAS No.: 7631-86-9

EC No.: 231-545-4

Purity: 98-99.9%

The rest unspecified ingredients are impurities which do not contribute to the classification of the substance.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General notes:**

In all cases of doubt, or when symptoms persist, seek medical attention.

**Following inhalation:**

If inhaled dusts or fumes, remove the victim to fresh air, Call a POISON CENTER or doctor/physician if you feel unwell.

**Following skin contact:**

If contact, wash with plenty of soap and water. Get medical advice/attention if you feel unwell.

**Following eye contact:**

If unexpected contact, may cause slightly physical or mechanical damage. In serious condition, consult doctor immediately.

**Following ingestion:**

Ingestion is unlikely under normal conditions. If ingested, seek medical attention

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of the immediate medical attention and special treatment needed

No information available.

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## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** This product does not combust. According to the fire environment, select the appropriate fire extinguishing agent.

**Unsuitable extinguishing media:** No information available.

### 5.2 Special hazards arising from the substance or mixture

Not flammable.

### 5.3 Advice for fire-fighters

Fire-fighters should wear appropriate breathing apparatus and protective equipment. Fire-fighting in the wind. Ensure adequate ventilation. Move container from fire area if it can be done without risk. Cool containers with water spray. Prevent fire-fighting water from entering surface water or groundwater.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Refer to SECTION 8 for personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Avoid dust formation. Avoid breathing dust.

### 6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. Keep contaminated washing water and dispose of appropriately.

### 6.3 Methods and material for containment and cleaning up

Pick up mechanically. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other SECTIONS

See SECTION 7 for information on safe handling.

See SECTION 8 for information on personal protection equipment.

See SECTION 13 for information on disposal.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Use this material with adequate ventilation. Keep away from heat, sparks, open flame, and hot surfaces - No smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a cool, well-ventilated place. Keep away from heat and ignition sources. Keep

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away from incompatible materials.

## 7.3 Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

## SECTION 8 : Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limit values:**

Not established.

**DNEL (Derived No Effect Level) for workers and the general population:**

Not available.

**PNEC (Predicted No Effect Concentration) values:**

Not available.

### 8.2 Exposure controls

**Appropriate engineering controls:**

Provide local exhaust or process enclosure ventilation system. Prepare safety shower and eye wash equipments.

**Personal protective equipment:**

Eye and face protection: Wear protective eye/face protection.

Skin protection: Wear protective gloves/clothing to prevent contact.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls:**

Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Milky white transparent or colorful solid
<b>Odour:</b>	Odorless
<b>pH:</b>	3.5-8
<b>Melting point:</b>	1708-1718°C
<b>Boiling point:</b>	Not applicable.
<b>Flash point:</b>	Not applicable.
<b>Evaporation rate:</b>	Not available.
<b>Flammability (solid, gas):</b>	Product is not flammable.
<b>Upper/lower flammability or explosive limits:</b>	Not available.
<b>Vapour pressure:</b>	Not applicable.

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Density:	300-800g/cm <sup>3</sup> .
Solubility(ies):	Insoluble in water.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not applicable.
Explosive properties:	Product does not present an explosion hazard.
Oxidising properties:	Product does not present an oxidation hazard.

## 9.2 Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

### 10.2 Chemical stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Flames, sparks, and other sources of ignition, incompatible materials, moisture.

### 10.5 Incompatible materials

Strong acid, strong alkali, strong oxidizing materials.

### 10.6 Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:	Oral: LD <sub>50</sub> =10000 mg/kg (rat)
Skin corrosion/irritation:	No irritant effects known.
Serious eye damage/irritation:	No irritant effects known.
Respiratory or skin sensitization:	No sensitizing effects known.

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<b>Germ cell mutagenicity:</b>	No information available.
<b>Carcinogenicity:</b>	No information available.
<b>Reproductive toxicity:</b>	No information available.
<b>STOT-single exposure:</b>	No information available.
<b>STOT-repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

The mobility in soil is low since the product is insoluble in water.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

### 12.6 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal must be made according to local and national regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

## SECTION 14: Transport information

### 14.1 Land transport (ADR)

Not regulated.

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## 14.2 Sea transport (IMDG)

Not regulated.

## 14.3 Air transport (IATA)

Not regulated.

## 14.4 Additional information

No information available.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulation:

Authorisations: No information available.

Restrictions on use: No information available.

EINECS: CAS# 7631-86-9 is listed in.

DSD (67/548/EEC): CAS# 7631-86-9 is not listed in.

#### Other chemical regulation:

CAS No.	USA TSCA	Canada DSL	Australia AICS	Korea ECL	Japan ENCS	China IECSC
7631-86-9	Listed	Listed	Listed	Listed	Listed	Listed

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this product.

## SECTION 16: Other information

### 16.1 Revision Information

Date of the previous revision: Not applicable.

Date of this revision: 26/02/2016.

Revision summary: The first new SDS

### 16.2 Abbreviations and acronyms

**CLP:** EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.

**CAS:** Chemical Abstracts Service (division of the American Chemical Society).

**EINECS:** European Inventory of Existing Commercial Chemical Substances.

**DSD:** Dangerous Substance Directive (67/548/EEC).

**TSCA:** Toxic Substances Control Act, The American chemical inventory.

**DSL:** Domestic Substances List, The Canadian chemical inventory.

**AICS:** The Australian Inventory of Chemical Substances.

**ECL:** Existing Chemicals List, the Korean chemical inventory.

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**ENCS:** Japanese Existing and New Chemical Substances.

**IECSC:** Inventory of existing chemical substances in China.

## 16.3 Key literature references and sources for data

Provided by company.

## 16.4 Relevant R-phrases/H-statements

Not applicable. This product is not classified as hazardous substance/mixture.

## 16.5 Training advice

Provide adequate information, instruction and training for operators.

## 16.6 Declare to reader

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.

----- End of the SDS -----