

## SDS Report

No. SHAEC1924620401

Date: Nov. 29, 2019

Page 1 of 1

SHANDONG BOKAI SILICA GEL CO.,LTD  
NO.3 WEIHAI ZHONG ROAD, JUXIAN NORTH INDUSTRIAL PARK, RIZHAO CITY, SHANDONG  
PROVINCE,CHINA

SGS Ref. No. : QP19-001013  
Sample Name : Silica Gel / Silicon Dioxide / Crystal Cat litter  
End Uses : Desiccant  
Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/information on ingredients* on the SDS report  
Job Receiving Date : Nov 06, 2019  
Last Information Date : Nov 07, 2019  
SDS Preparation Period : Nov 06 – Nov 12, 2019

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Cathy Cai  
Approved Signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.  
Testing Center - Chemical Laboratory

3<sup>rd</sup> Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgs.com.cn  
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

**Safety data sheet**  
**Regulation (EC) No. 1907/2006 and 1272/2008**

Printing date 25.11.2019

Version number 1.0

Revision: 12.11.2019

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

- **1.1 Product identifier**
- **Trade name:** Silica Gel / Silicon Dioxide / Crystal Cat litter
- **CAS Number:**  
7631-86-9
- **EC number:**  
231-545-4
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Desiccant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SHANDONG BOKAI SILICA GEL CO.,LTD  
NO.3 WEIHAI ZHONG ROAD, JUXIAN NORTH INDUSTRIAL PARK, RIZHAO CITY, SHANDONG PROVINCE, CHINA  
Tel: +86 15725053352  
E-mail: bokaiguijiao@163.com
- **Only Representative / other EU contact point:**  
AGROS TRADING GMBH  
151A-4063 Hoersching.Austria.European Unio  
Tel: +43 (0) 7221 73452  
E-mail: silicagelcn@163.com
- **Further information obtainable from:** SHANDONG BOKAI SILICA GEL CO.,LTD
- **1.4 Emergency telephone number:**  
Alex Shen  
Tel: +86 15063311778
  
- AUSTRIA  
Poison Control Centre  
Tel: +43 1 406 43 43
  
- LATVIA  
National Toxicology Center, Poison and Drug Information Center  
Tel: +371 67042473
  
- **1.5 Reference Number:** QP19-001013; SHAEC1924620401

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified according to the CLP regulation.
- **Information concerning particular hazards for human and environment:**  
The product has not to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
- **Classification system:**  
The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

---

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not applicable
- **Hazard pictograms** Not applicable
- **Signal word** Not applicable
  
- **Hazard-determining components of labelling:** Not applicable
- **Hazard statements** Not applicable
- **Precautionary statements** Not applicable
  
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable

(Contd. on page 2)

**Safety data sheet**  
**Regulation (EC) No. 1907/2006 and 1272/2008**

Printing date 25.11.2019

Version number 1.0

Revision: 12.11.2019

**Trade name: Silica Gel / Silicon Dioxide / Crystal Cat litter**

(Contd. of page 1)

· **vPvB:** Not applicable

### SECTION 3: Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**  
7631-86-9 Silicon dioxide
- **Identification number(s)**
- **EC number:** 231-545-4
- **Remark:** Both ingredients listed below are not classified according to Regulation (EC) No. 1272/2008.

· **Composition:**

CAS: 7631-86-9 EINECS: 231-545-4	Silicon dioxide	substance with a Community workplace exposure limit	98.0%
CAS: 7732-18-5 EINECS: 231-791-2	Water		2.0%

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth with water.  
Never give anything by mouth to an unconscious person.  
Seek medical treatment.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Mouth respiratory protective device.  
Wear fully protective suit.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation.  
Avoid formation of dust.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Avoid contact with eyes.

(Contd. on page 3)

# Safety data sheet

## Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 25.11.2019

Version number 1.0

Revision: 12.11.2019

**Trade name: Silica Gel / Silicon Dioxide / Crystal Cat litter**

(Contd. of page 2)

Avoid contact with skin.

- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Dispose contaminated material as waste according to item 13.
- **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 disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Thorough dedusting.  
Ensure good ventilation/exhaustion at the workplace.  
Keep receptacles tightly sealed.  
Keep away from heat and direct sunlight.  
Prevent formation of dust.  
Avoid contact with skin and eyes.  
For the general occupational hygienic measures refer to section 8.
- **Information about fire - and explosion protection:** Normal measures for preventive fire protection.
- **7.2 Conditions for safe storage, including any incompatibilities:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Do not store together with acids.  
Do not store together with alkaline materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

**7631-86-9 Silicon dioxide (98.0%)**

MAK (Austria) Long-term value: 4 E mg/m<sup>3</sup>

AER (Latvia) Long-term value: 1 mg/m<sup>3</sup>

- **Regulatory information**

MAK (Austria): GKV 2018, 254. Verordnung, 24.9.2018, Teil II

AER (Latvia): MK noteikumi nr. 407, 10.07.2018

- **DNELs:** Data not available

- **PNECs:** Data not available

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Based on composition shown in Section 3, the following measures are suggested for occupational safety measure:**

- **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.

- **Personal protective equipment:**

- **Respiratory protection:** Suitable respiratory protective device recommended.

(Contd. on page 4)

**Safety data sheet**  
**Regulation (EC) No. 1907/2006 and 1272/2008**

Printing date 25.11.2019

Version number 1.0

Revision: 12.11.2019

**Trade name: Silica Gel / Silicon Dioxide / Crystal Cat litter**

(Contd. of page 3)

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **Appearance:**

· <b>Form:</b>	Particle
· <b>Colour:</b>	Translucent white
· <b>Odour:</b>	Odourless
· <b>Odour threshold:</b>	Data not available.

· **pH-value:** Data not available

· **Melting point/freezing point:** Data not available.

· **Initial boiling point and boiling range:** Data not available

· **Flash point:** Data not available

· **Flammability (solid, gas):** Data not available

· **Auto-Ignition temperature:** Data not available

· **Decomposition temperature:** Date not available.

· **Self-igniting:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:** Data not available.

· **Upper:** Data not available.

· **Oxidising properties** Data not available

· **Vapour pressure:** Date not available.

· **Density:** Data not available.

· **Relative density** Data not available.

· **Vapour density** Date not available.

(Contd. on page 5)

**Safety data sheet**  
**Regulation (EC) No. 1907/2006 and 1272/2008**

Printing date 25.11.2019

Version number 1.0

Revision: 12.11.2019

Trade name: Silica Gel / Silicon Dioxide / Crystal Cat litter

(Contd. of page 4)

- |  |  |
|--|--|
| · <b>Evaporation rate</b>                        | Data not available                         |
| · <b>Solubility in / Miscibility with water:</b> | Data not available                         |
| · <b>Partition coefficient: n-octanol/water:</b> | Data not available.                        |
| · <b>Viscosity:</b>                              |  |
| <b>Dynamic:</b>                                  | Data not available                         |
| <b>Kinematic:</b>                                | Data not available                         |
| · <b>9.2 Other information</b>                   | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specification.
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

7631-86-9 Silicon dioxide

Oral LD50 10,000 mg/kg (rat)

- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 6)

**Safety data sheet**  
**Regulation (EC) No. 1907/2006 and 1272/2008**

Printing date 25.11.2019

Version number 1.0

Revision: 12.11.2019

**Trade name: Silica Gel / Silicon Dioxide / Crystal Cat litter**

(Contd. of page 5)

- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:** Not hazardous for water.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |  |
|--|--|
| · <b>14.1 UN-Number</b>  |  |
| · <b>ADR/RID/ADN, IMDG, IATA</b>   | Not applicable                                       |
| · <b>14.2 UN proper shipping name</b>  |  |
| · <b>ADR/RID/ADN, IMDG, IATA</b>   | Not applicable                                       |
| · <b>14.3 Transport hazard class(es)</b>   |  |
| · <b>ADR/RID/ADN, IMDG, IATA</b>   |  |
| · <b>Class</b>   | Not applicable                                       |
| · <b>Label</b>   | Not applicable                                       |
| · <b>14.4 Packing group</b>  |  |
| · <b>ADR/RID/ADN, IMDG, IATA</b>   | Not applicable                                       |
| · <b>14.5 Environmental hazards</b>  | Not applicable.                                      |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.                                      |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| · <b>14.8 Transport/Additional information:</b>                                  | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | Not applicable                                       |

### SECTION 15: Regulatory information

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

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations:**
- **Waterhazard class:** Generally not hazardous for water.

- **Other regulations, limitations and prohibitive regulations**

- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (16/7/2019)**

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction (20/6/2019)**  
**See Section 16 for information about restriction of use.**

None of the ingredients is listed.

(Contd. on page 7)

**Safety data sheet**  
**Regulation (EC) No. 1907/2006 and 1272/2008**

Printing date 25.11.2019

Version number 1.0

Revision: 12.11.2019

**Trade name: Silica Gel / Silicon Dioxide / Crystal Cat litter**

(Contd. of page 6)

**· REACH Regulation Annex XIV Authorization List (13/6/2017)**

None of the ingredients is listed.

**· 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

· \*\*\*\*\*

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

**DISCLAIMER OF LIABILITY**

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

· \*\*\*\*\*

End of document