



QINGDAO HAIYANG CHEMICAL

Passed ISO9001 certification.

Passed ISO14001 Environmental Management Systems

Safety Data Sheet

Section 1 - Chemical Product And Company Identification

Sample Name: Silica Gel Orange

Company Identification: Qingdao Haiyang Chemical Co., Ltd.

Mainland address: No.7, Mianyang Road, Qingdao Shandong Province, China.

Tel: +0086-532-84632861

Fax: +0086-532-84635796

Emergency Phone Number: +0086-0532-68081260

Section 2 - Hazards Identification

EMERGENCY OVERVIEW

CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

SAF-T-DATA Rating (Provided here for your convenience).

Health Rating: 2-Moderate

Flammability Rating: 1-Slight

Reactivity Rating: 1-Slight

Contact Rating: 2-Moderate

Lab Protective Equip: GOGGLES; LAB COAT; VENT HOOD. PROPER GLOVES.

Storage Colour Code: Green (General Storage)

Potential Health Effects:

This product contains synthetic amorphous silica, not to be confused with crystalline silica such as quartz, cristobalite or tridymite or with diatomaceous earth or other naturally occurring forms of amorphous silica that frequently contain crystalline forms.

Ingestion:

May cause dryness and irritation to mucous membrane, nose, and throat. Symptoms may include coughing, sore throat, and wheezing.

Ingestion:

No adverse effects expected.

Skin Contact:



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May cause irritation with dryness and abrasion.

Eye contact:

May cause irritation, redness and pain.

Chronic Exposure:

Repeated exposure may cause symptoms similar to those listed acute effects.

Synthetic amorphous silica does; not produce silicosis.

Aggravation of Pre-existing Conditions:

No information found.

Section 3 - Composition Information of Ingredients

Description	Silica Gel Orange
Dangerous Substance	Not Present
Description	silicon dioxide >=98% cas no.: 7631-86-9

Section 4 - First Aid Measures

Inhalation:

Remove to fresh air, Get medical attention for ant breathing difficulty.

Ingestion:

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advise.

Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash before reuse. Thoroughly clean before reuse. Get medical attention if irritation develops.

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Section 5 – Fire Fighting Measures

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be a explosion hazard.

Fire Extinguishing Media:



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Use any means suitable for extinguishing surrounding fire.

Special Information:

Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6 – Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Section 7 – Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. When pouring into a container of flammable liquid, ground both containers electrically to prevent a static electric spark. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Section 8 – Exposure Controls, Personal Protection

Airborne Exposure Limits:

Silica (synthetic, amorphous):

- OSHA Permissible Exposure Limit (PEL) -

80/(%SiO₂) mg/m³ (TWA) for amorphous silica, including natural diatomaceous earth.

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for



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up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter.

For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9 – Physical and Chemical Properties

Form:	Solid
Color:	orange or yellow
Odor:	Odorless
PH:	3-8(in5% slurry)
Boiling Point/range:	1608°C
Melting Point/range:	1598°C
Solubility:	Insoluble(water 20° C)

Decomposition Temperature:	Not applicable.
Density:	0.5~0.8g/m ³
Ignition Temperature:	Not applicable.
VaporDensity (Air=1):	Not applicable.
Vapor Pressure (mm Hg):	Not applicable.
Evaporation Rate (BuAc=1):	No information found.

Section 10 – Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage.



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Hazardous Decomposition Products:

Oxides of carbon and silicon may be formed when heated to decomposition.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Reacts with hydrogen fluoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases, and oxidizers.

Conditions to Avoid:

Moisture, extreme heat, and incompatibles

Section 11 – Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Silica Gel (63231-67 -4)	No	No	None

Section 12 – Ecological Information

Environmental Fate:

When released into the soil, this material is not expected to biodegrade. When released into water, this material is not expected to biodegrade.

Environmental Toxicity:

This material is not expected to be toxic to aquatic life.

Section 13 – Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.



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Section 14 – Transport Information

Not regulated

Section 15 – Regulatory Information

-----\Chemical Inventory Status - Part 1\-----

Ingredient	TSCA	EC	Japan	Australia
Silica Gel (63231-67-4)	Yes	No	No	Yes

-----\Chemical Inventory Status - Part 2\-----

--Canada--

Ingredient	Korea	DSL	NDSL	Phil.
Silica Gel (63231-67-4)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----

-SARA 302- -----SARA 313-----

Ingredient	RQ	TPQ	List	Chemical Catg.
Silica Gel (63231-67-4)	No	No	No	No

-----\Federal, State & International Regulations - Part 2\-----

-RCRA- -TSCA

Ingredien	CERCLA	261.33	8(d)
Silica Gel (63231-67-4)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated.

Poison Schedule: None allocated.

WHMIS:

This SDS has been prepared according to the hazard criteria of the Controlled



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Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

Section 16 – Additional Information

Issue Time: 2015-05-06

Issue Department: Technical Department

Date review unit: 2015-05-08

Modification record: 2015-05-18

Other Information:

Regional representation: This information is given on the authorized Safety Data Sheet for your country.