

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifier:
Name: Orange Indicating Beaded Silica Gel
Product Number(s): ST6104 (plus dash nos.)
CAS No: Mixture
Index No: Mixture
EC No: Mixture
REACH Registration No: Mixture
Formula: SiO₂
Synonyms: Desiccant Dryer, Amorphous Silicon Dioxide

Intended use of the product and uses advised against:

Recommended use: Desiccant Dryer

Details of the supplier of the safety data sheet:

Comco Inc.
 2151 N. Lincoln St.
 Burbank, CA 91504
 1-818-841-5500
info@comcoinc.com

Emergency telephone number:

1-818-841-5500

SECTION 2: Hazard(s) Identification

Classification of the substance or mixture**Regulation (EC) No. 1272/2008 (CLP)**

Hazard category	Hazard statement
None	None

Label elements

Hazard pictograms: None
Signal word: None
Hazard statements: None
Precautionary statements: None
Other hazards: Not Available

SECTION 3: Composition/Information on Ingredients

Substance/Mixture: Mixture

Name:	CAS#	EC#	% W/W	REACH #	GHS Classification
Silica, Amorphous	7631-86-9	231-545-4	>93	01-2119379499-16	None
Iron (III) ammonium sulfate dodecahydrate	7783-83-7	None	<5	N.A.	None
Water	7732-18-5	231-791-2	<2	N.A.	None

SECTION 4: First-Aid Measures

Description of first aid measures

General information: None
After inhalation: Remove to fresh air. If symptoms persist, seek medical attention.
After skin contact: Remove contaminated clothing from area and wash affected skin thoroughly with water. If irritation persists or rash develops, seek medical attention.
After eye contact: Immediately flush eyes with water. Seek medical attention if irritation persists.
After swallowing: Clean mouth with water and drink plenty of water afterwards. Call physician immediately.
Most important symptoms and effects, both acute and delayed
Acute: No data.
Delayed: No data.

Indication of any immediate medical attention and special treatment

Treat symptomatically.

SECTION 5: Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: Extinguisher suitable for ordinary combustible materials. Class A extinguishing agents.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture: Thermal decomposition can lead to release of irritating gases and vapors. Hazardous combustion products include: Nitrogen oxides (NO_x), Sulfur oxides, Ammonia.

Advice for firefighters

A self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full suitable protective clothing should be worn in fire conditions.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear suitable protective clothing.
For emergency responders: Wear suitable protective clothing.



Environmental precautions: None.

Methods and material for containment and cleaning up
Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

Reference to other sections: See also sections 7 for information on safe handling, section 8 for information on personal protection equipment, and section 13 for disposal information.

Additional information: None

SECTION 7: Handling and Storage

Precautions for safe handling

Protective measures: No special measures required.

Hygiene measures: Do not eat drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and protective gear before entering eating areas.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed. Segregate from incompatible materials.

Specific end uses: Not Available

SECTION 8: Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Substance	CAS #	Exposure Limit	Note:
Silica, Amorphous	7631-86-9	6 mg/m ³ PEL	OSHA
		10 mg/m ³ TLV	ACGIH

Biological limit values: No data

DNEL/PNEC-values: No data

Exposure controls

Appropriate engineering controls: None.

Personal protective equipment



Hand protection:

Protective gloves

Eye protection:

Safety glasses with side-shields (European standard – EN 166)

Body protection:

Clean clothing to cover skin.

Respiratory protection:

Not required.

Environmental exposure controls:

None

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance:	Granular beads
Color:	Orange or green
Odor:	Odorless
Odor threshold:	Not Applicable
pH:	Not Available
Melting point/range:	1610 °C (2930° F)
Boiling point/range:	2230 °C (4046 °F)
Flash point:	Incombustible
Evaporation rate:	Not Applicable
Flammability (solid, gas):	Not Available
Upper/lower flammability/explosive limits:	Not Available
Auto-ignition temperature:	Not Available
Decomposition temperature:	Not Available
Vapor pressure:	Not Applicable
Vapor density:	Not Applicable
Relative density:	0.75 g/cm ³
Solubility:	Insoluble.
Viscosity, dynamic (20 °C):	Not Applicable
Viscosity, kinematic:	Not Applicable
Explosive properties:	Not Available
Oxidizing properties:	Not Available
Partition coefficient: n-Octanol/Water:	Not Available

Physical hazards: Not Available

Other information: No additional information

SECTION 10: Stability and Reactivity

Reactivity: No data

Chemical stability: Stable under normal conditions. Hygroscopic.

Possibility of hazardous reactions:	None under normal use conditions.
Conditions to avoid:	Extreme heat. Incompatibles. Exposure to moist air or water.
Incompatible materials:	Reacts with hydrogen fluoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases and oxidizers. Water.
Hazardous decomposition products:	Nitrogen oxides. Sulfur oxides. Ammonia.

SECTION 11: Toxicological Information**Information on toxicological effects**

Acute toxicity:	Based on available data, the classification criteria are not met. Silica, amorphous (7631-86-9) LD50: > 5000 mg/kg – oral, rat LD50: > 2000 mg/kg – dermal, rabbit LC50: > 2.2 mg/L – inhalation, rat (4h)
Skin corrosion/irritation:	No data available.
Serious eye damage/irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
Specific target organ toxicity (single exposure):	No data available.
Specific target organ toxicity (repeated exposure):	No data available.
Aspiration hazard:	Not applicable. Solid.
Other information:	None

SECTION 12: Ecological Information**Toxicity**

Ecotoxicity effects:	Silica, Amorphous (7631-86-9) LC50 Fish 1: 5000 mg/l/96h Freshwater Fish EC50 Daphnia 1: 7600 mg/l/48h Daphnia EC50 Algae: 440 mg/l/72h Freshwater Algae
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Persistence and degradability:

No data

Bioaccumulative potential:

The product has low potential for bioaccumulation

Mobility in soil:

Spillage is unlikely to penetrate soil and is not likely mobile in the environment due to its low water solubility.

Results of PBT & PvB assessment:

No data

Other adverse effects:

No known significant effects or critical hazards

SECTION 13: Disposal Considerations**Waste treatment methods**

Recommendations: If product becomes contaminated, follow disposal instructions for contaminant. Dispose of in accordance to federal, state, and local regulations. Do not allow product to reach sewage system. Recycle packaging if possible.

Additional information: None

SECTION 14: Transport Information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	None	None	None	None
Transport hazard class(es)	None	None	None	None
Hazard label(s)	None	None	None	None
Packing group	None	None	None	None
Environmental hazards	None	None	None	None

Special precautions for user: None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture****US Federal regulations**

TSCA Chemical Inventory Status: Listed: silicon, amorphous; water.

CERCLA Reportable Quantity: None.

SARA Title III:

- Section 302 Extremely Hazardous Substances: None.
- Section 304 Emergency Release Reporting: None.
- Section 311/312 Hazardous Categories: N/A.
- Section 313 Toxic Categories: N/A.

Clean Air Act of 1990 – Title VI: This material does not contain, nor was it manufactured using ozone depleting chemicals.

US State regulations

- California Proposition 65: Not Listed

- Massachusetts Right to Know List: Listed – amorphous silica.
- Massachusetts Hazardous Substance Code: 2,4,5F5
- Rhode Island Hazardous Substance List: Not Listed.

Canadian Regulations:

WHMIS (Workplace Hazardous Materials Information System) Classification: Not a controlled product.
Canadian Hazard Symbol: Not applicable.

EU Regulations**EINECS 231-545-4 (Silica gel)**

Indication of Danger: Not dangerous.

Risk Phrases: None.

Safety Phrases: None.

This product is considered non-dangerous in accordance with 1999/45/EC.

EINECS 231-791-2 (Water)

Indication of Danger: Not dangerous.

Risk Phrases: None

Safety Phrases: None

Other International Regulations:

- | | |
|--|--------------------|
| • Australian Inventory of Chemical Substances: | Listed on the AICS |
| • Inventory of Existing Chemical Substances Produced or Imported in China: | Listed on IECSC |
| • Japanese Existing & New Chemical Substances inventory: | Listed on the ENCS |
| • Korean Existing Chemicals List: | Listed on the ECL |
| • Philippines Inventory of Chemicals and Chemical Substances: | Listed on PICCS |

Chemical Safety Assessment: Not required for mixtures.

SECTION 16: Other Information

Date of preparation: 04/27/2020

Revision version: C

Reason for Revision: Updates to sections 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 15, 16

NFPA hazard rating:

Health hazard: 1 – Exposure could cause irritation but only minor residual injury even if no treatment is given.

Fire hazard: 0 – Will not burn under typical fire conditions.

Reactivity: 0 – Normally stable, even under fire conditions, and is not reactive with water.



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