SECTION 1: Identification

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·C₂H₁₄O₄

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

SECTION 2: Hazard(s) Identification

Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)

<table>
<thead>
<tr>
<th>Hazard category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Hazard characteristics</th>
<th>R-Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

For full text of R-phrases, see section 16.

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements: None

Other hazards: Not Available

SECTION 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substance/Mixture</th>
<th>CAS#</th>
<th>EC#</th>
<th>%W/W</th>
<th>REACH #</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous Silicon Dioxide</td>
<td>63231-67-4</td>
<td>N.A.</td>
<td>&gt; 99</td>
<td>N.A.</td>
<td>None</td>
</tr>
<tr>
<td>Phenolphthaleine</td>
<td>77-09-8</td>
<td>201-004-7</td>
<td>100 PPM</td>
<td>N.A.</td>
<td>None</td>
</tr>
</tbody>
</table>

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: If large quantities are swallowed, give emetics to induce vomiting. 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: None known.

Advice for firefighters

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Extinguish preferably with dry chemical, foam, or water spray.
### 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, 8, and 13.

**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**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS #</th>
<th>Exposure Limit</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous Silicon Dioxide</td>
<td>63231-67-4</td>
<td>20 mg/m³ PEL</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³ TLV</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>

**Biological limit values:** No data

**DNEL/PNEC-values:** No data

**Exposure controls**

**Appropriate engineering controls:** None.

**Personal protective equipment**

**Hand protection:** Gloves if desired

**Eye protection:** Not required.

**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:** 2.1 g/cm³
- **Solubility:** Insoluble. Phenolphthalein may leech out.
- **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
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SECTION 10: Stability and Reactivity

Reactivity: No data
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: None under normal use conditions.
Conditions to avoid: Extreme heat. Incompatibles.
Incompatible materials: Reacts with hydrogen fluoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases and oxidizers.
Hazardous decomposition products: Oxides of carbon and silicon may occur when heated.

SECTION 11: Toxicological Information

Information on toxicological effects
Acute toxicity: None
Skin corrosion/irritation: None. Not corrosive.
Serious eye damage/irritation: None
Respiratory or skin sensitization: No data
Germ cell mutagenicity: No data
Carcinogenicity: Phenolphthaleine is classified as a 2B carcinogen under ACGIH, NTP, IARC and/or the state of California.
Reproductive toxicity: Phenolphthaleine is classified as category 3 risk (harmful) under EC directive 67/548/EEC.
Specific target organ toxicity (single exposure): No data
Specific target organ toxicity (repeated exposure): No data
Aspiration hazard: None
Other information: None

SECTION 12: Ecological Information

Toxicity
Acute toxicity: No data
Persistence and degradability: No data
Bioaccumulative potential: The product has low potential for bioaccumulation
Mobility in soil: No data
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

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

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: All components of this product are listed.
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: Listed - Phenolphthalein.
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: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Phenolphthalein.
- Massachusetts Right to Know List: Listed – amorphous silica.
- Massachusetts Hazardous Substance Code: 2,4,5F5
- New Jersey Right to Know List: Listed – substance No. 4110
- Rhode Island Hazardous Substance List: Not Listed.

**Canadian Regulations:**
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 201-004-7 (Phenolphthalein)
Indication of Danger: Toxic.
Risk Phrases: None
Safety Phrases: None

**Chemical Safety Assessment:** No

**SECTION 16: Other Information**

**Date of preparation:** 06/08/2015
**Revision version:** B

**Relevant R-phrases (number and full text):** None

**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.

**Disclaimer:** To the best of our knowledge, the information contained in this SDS is accurate or believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein.