SAFETY DATA SHEET: SILICA GEL, Indicating

1. IDENTIFICATION

Product Name: SILICA GEL, Indicating
Synonyms: Amorphous silicon dioxide; Silicic acid; Tel-Tale ® Indicating Gel
Formula and Formula Weight: Mixture NA
Integra numbers beginning with: S173.10; S173.50
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

INTEGRA Chemical Company
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000

2. HAZARDS IDENTIFICATION

OSHA Classification:

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazard Category</th>
<th>Hazard Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity - Oral</td>
<td>3</td>
<td>Toxic if swallowed.</td>
</tr>
<tr>
<td>Sensitization - Respiratory</td>
<td>1</td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td>
</tr>
<tr>
<td>Sensitization - Skin</td>
<td>1</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>2</td>
<td>Suspected of causing genetic defects.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>1B</td>
<td>May cause cancer.</td>
</tr>
<tr>
<td>Toxic to Reproduction</td>
<td>1B</td>
<td>May damage fertility or the unborn child.</td>
</tr>
</tbody>
</table>

Signal Word: Danger

Precautionary Statements

Prevention:
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust, fume, gas, mist, vapors, spray.
- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing must not be allowed out of the workplace.
- Wear protective gloves, protective clothing, eye protection, face protection.
- Wear respiratory protection.

Response
- If swallowed: Immediately call a poison center, doctor.
- If on skin: Wash with plenty of water.
- If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
- If exposed or concerned: Get medical advice, attention.
- Specific treatment (see first aid section on this label)
- Rinse mouth.
- If skin irritation or a rash occurs: Get medical advice, attention.
- If experiencing respiratory symptoms: Call a poison center, doctor.
- Wash contaminated clothing before reuse.

Storage
- Store locked up.

Disposal
- Dispose of contents, container in accordance with all governmental regulations.

Hazards Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Synonyms</th>
<th>CAS #</th>
<th>% Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica gel</td>
<td>Amorphous silicon dioxide; Silicic acid</td>
<td>63231-67-4</td>
<td>&gt;99</td>
</tr>
<tr>
<td>Cobalt chloride</td>
<td>Cobalt dichloride</td>
<td>07646-79-9</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing.
Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.
5. FIRE-FIGHTING MEASURES

Extinguishing Media: Material is not flammable. Use extinguishing media suitable to surrounding materials.

Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Specific Hazards: None identified


6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Prevent spread of spill. Sweep or scoop into suitable disposal container. Do not release to environment.

7. HANDLING AND STORAGE

Incompatible Materials: Hydrofluoric acid, fluorides, strong alkalis

Storage and Handling: Store locked up in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Hygroscopic material. Store tightly sealed.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust, fume, gas, mist, vapors, spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves, protective clothing, eye protection, face protection.

Wear respiratory protection.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:

- Silica gel: OSHA TWA: 20 mppcf; 80 mg/m3/%SiO2
- Cobalt chloride: OSHA TWA: 0.1 mg/m3 (as Co) ACGIH TWA: 0.02 mg/m3 (as Co)

Engineering Controls: Use general or local exhaust ventilation to meet TLV and PEL requirements.

Respiratory Protection: None required where adequate ventilation controls exist. If airborne concentration exceeds PEL or TLV, use a NIOSH approved respirator with a particulate filter.

Skin/Eye Protective Equipment: Safety glasses.

Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers.

Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, blue granules

Odor: No odor

Odor Threshold: Not available

pH: Not available

Melting/Freezing Point: Not available

Initial Boiling Point and Boiling Range: Not available

Flash Point: Not available

Evaporation Rate: Not available

Flammability: Not available

Flammable or Explosive Limits (% by volume in air): Upper: Not available Lower: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Relative Density: 2.1 Water=1

Solubility: Insoluble in water

Partition Coefficient: n-octanol/water Not available

Auto-Ignition Temperature: Not available

Decomposition Temperature: Not available

Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: No information available

Stability: Stable

Possibility of Hazardous Reactions: Hazardous polymerization will not occur

Conditions to Avoid: Moisture.
11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:

Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract.
Skin Contact: May cause skin irritation. Prolonged contact may cause dermatitis.
Eye Contact: Contact may be irritating to the eyes.
Ingestion: May be harmful if swallowed.
Chronic Effects: Skin and respiratory sensitization. Prolonged or repeated exposure to cobalt may cause anorexia, goiter, weight loss, interstitial pneumonitis, pulmonary hypersensitivity, myocardial effects, airway obstruction, bronchitis.
Target Organs: Skin, respiratory system
Additional Effects: None identified
Reproductive Effects: May damage fertility or the unborn child. May cause genetic defects.
Carcinogenicity:

Silica gel is listed by the IARC as Group 3, Unclassifiable [as Silica, amorphous].
Cobalt chloride is listed by the NTP as Anticipated Human Carcinogen [as Cobalt and Cobalt Compounds That Rel Coryl Cobalt Ions In Vivo] and by the IARC as Group 2B, Possible Human Carcinogen (as Cobalt sulfate and other soluble cobalt (II) salts).

Toxicity Data:

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 (skin, rabbit)</th>
<th>LD50 (oral, rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica gel</td>
<td>&gt; 2000 mg/kg</td>
<td>4500 mg/kg</td>
</tr>
<tr>
<td>Cobalt chloride</td>
<td>100 mg/kg</td>
<td>80 mg/kg</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Data: No information available
Terrestrial Toxicity Data: No information available

Silica gel: No information available
Cobalt chloride: No information available

Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

This product is not a regulated material for domestic ground transporation.

Environmental hazards: No information available
Special precautions: No information available
Bulk transport: No information available

15. REGULATORY INFORMATION

Silica gel is listed in the TSCA inventory.
Cobalt chloride is listed in the TSCA inventory and in SARA 313 (as cobalt compounds).

16. OTHER INFORMATION

OSHA SDS #: 26303 rev 102 1.16.2017

NE = Not established, NA = Not applicable or Not available

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***** END OF SDS *****