SAFETY DATA SHEET: SODIUM GLUCONATE

1. IDENTIFICATION
Product Name: SODIUM GLUCONATE
Synonyms: D-gluconate sodium salt; Sodium 2,3,4,5,6-pentahydroxy-hexanoate; Sodium d-gluconate
Formula and Formula Weight: CH2OH(CHOH)4COONa  218.14
Integra numbers beginning with: S384.32
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

INTEGRA Chemical Company
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000

24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)

2. HAZARDS IDENTIFICATION

OSHA Classification: None identified
Hazard Category: Not applicable
Hazard Statement: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component | Synonyms | CAS # | % Weight
---|---|---|---
Sodium gluconate | D-gluconate sodium salt; Sodium 2,3,4,5,6-pentahydroxy-hexanoate; Sodium d-gluconate | 00527-07-1 | 100

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air.
Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.
Skin Contact: Wash with soap and water.
Ingestion: Do not induce vomiting. Rinse mouth. If adverse symptoms develop, seek medical attention.
Additional notes: Symptoms and effects include skin, eye, respiratory, gastrointestinal irritation; nausea, vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.
Specific Hazards: As with most organic solids, combustion is possible at elevated temperatures.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Remove all potential ignition sources. Prevent spread of spill. Wear suitable protective equipment. Sweep or scoop into disposal container in a manner that minimizes dust dispersion.

7. HANDLING AND STORAGE

Incompatible Materials: Incompatible with strong oxidizers.
Storage and Handling: Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:

<table>
<thead>
<tr>
<th>Component</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium gluconate</td>
<td>None identified</td>
</tr>
</tbody>
</table>

Engineering Controls: Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.
Respiratory Protection: If use generates annoying or irritating dusts, mists or vapors, 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White to cream colored powder</td>
</tr>
<tr>
<td>Odor</td>
<td>Pleasant odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>6.8 - 7.2 (10 % aqueous solution)</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>192-202 °C</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>270 °C</td>
</tr>
</tbody>
</table>
**Evaporation Rate:** Not available  
**Flammability:** Not available  
**Flammable or Explosive**  
- Upper: Not available  
- Lower: Not available  
**Vapor Pressure:** Not available  
**Vapor Density:** Not available  
**Relative Density:** 0.9 g/cc  
**Solubility:** Very soluble in water  
**Partition Coefficient: n-octanol/water** Not available  
**Auto-Ignition Temperature:** Not available  
**Decomposition Temperature:** >210  
**Viscosity:** Not available

### 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable</td>
</tr>
<tr>
<td>Possibility of Hazardous Reactions</td>
<td>Hazardous polymerization will not occur</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Excessive dusting, especially in the presence of ignition sources. Direct sun light, moist air and humidity.</td>
</tr>
<tr>
<td>Incompatibles</td>
<td>Incompatible with strong oxidizers.</td>
</tr>
</tbody>
</table>

### 11. TOXICOLOGICAL INFORMATION

**Effects of Over Exposure:**

- **Inhalation:** As with most nuisance dusts, inhalation of large quantities, or prolonged inhalation, may irritate the respiratory system.
- **Skin Contact:** No irritation is likely upon brief contact. May be irritating after prolonged or repeated contact.
- **Eye Contact:** Dusts may cause some eye irritation.
- **Ingestion:** Ingestion of large quantities may cause gastrointestinal irritation, nausea and vomiting.
- **Chronic Effects:** Chronic exposure to nuisance dusts may damage the lungs.
- **Target Organs:** None identified
- **Additional Effects:** None identified
- **Reproductive Effects:** None identified
- **Carcinogenicity:** None identified

**Toxicity Data:**

| Sodium gluconate | No information available |

### 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity Data:**

- **Sodium gluconate:** No information available

**Terrestrial Toxicity Data:**

- **Sodium gluconate:** 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

Sodium gluconate is listed in the TSCA inventory.

### 16. OTHER INFORMATION

OSHA SDS #: 26394 rev 101 3/27/2015

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

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