SAFETY DATA SHEET: SODIUM OXALATE

1. IDENTIFICATION

Product Name: SODIUM OXALATE
Synonyms: Ethandioic acid disodium salt; Disodium salt oxalic acid
Formula and Formula Weight: Na2C2O4 134.00
Integra numbers beginning with: S506.10
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

<table>
<thead>
<tr>
<th>OSHA Classification</th>
<th>Hazard Category</th>
<th>Hazard Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity - Oral</td>
<td>4</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>Acute Toxicity - Dermal</td>
<td>4</td>
<td>Harmful in contact with skin.</td>
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</tbody>
</table>

Signal Word: Warning

Precautionary Statements

Prevention:
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing.

Response:
If swallowed: Rinse mouth. Call a poison center, doctor if you feel unwell.
If on skin: Wash with plenty of water.
Call a poison center, doctor if you feel unwell.
Take off contaminated clothing and wash it before reuse.

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

Hazard 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>Sodium oxalate</td>
<td>Ethandioic acid disodium salt; Disodium salt oxalic acid</td>
<td>00062-76-0</td>
<td>100</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult administer oxygen. Seek medical attention.

Eye Contact: Flush eyes with water for at least 15 minutes. Seek immediate medical attention.

Skin Contact: Remove contaminated clothing. Flush skin with plenty of water. Seek medical attention.

Ingestion: Rinse mouth and give victim large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Additional notes: Symptoms and effects include eye, skin, respiratory tract irritation, severe stomach pains, vomiting, nervousness, cramps.

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: As with most organic solids, combustion is possible at elevated temperatures.

Hazardous combustion products: Oxides of carbon.

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 acids and strong oxidizers.

Storage and Handling: Store in a cool, dry, well-ventilated area or cabinet dedicated to the storage of toxic materials. Isolate away from
9. PHYSICAL AND CHEMICAL PROPERTIES

Apearance: White crystalline powder
Odor: Odorless
Odor Threshold: Not available
pH: Aqueous solution is practically neutral
Melting/Freezing Point: 260 °C
Initial Boiling Point and Boiling Range: Not available
Flash Point: Not available
Evaporation Rate: Not available
Flammability: Not flammable
Flammable or Explosive: Upper: Not available
Limits (% by volume in air) Lower: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Relative Density: 2.34 Water=1
Solubility: Slightly soluble 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: Heat, incompatibles, moisture
Incompatibles: Incompatible with strong acids and strong oxidizers.
Decomposition Products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:
Inhalation: Harmful if inhaled. Vapors and mists are corrosive to the mucous membranes. Symptoms of poisoning include nervousness, cramps, depression of central nervous system. Oxalates may be absorbed through the lungs.
Skin Contact: Corrosive material. Contact may cause severe burns.
Eye Contact: Contact may cause severe irritation or burns.
Ingestion: Harmful or fatal if swallowed. Average lethal dose of oxalates in adults is approximately 15-30 grams. May corrode the mucosa and cause severe gastrointestinitis, resulting in pain and vomiting. May cause hematemesis, central nervous system depression, cardiac depression. May cause dysfunction of the brain due to sharp reduction of serum calcium. Calcium oxalate may be deposited in the kidneys.
Chronic Effects: Circulatory failure, central nervous system irregularities. Chronic ingestion of small amounts may cause hypocalcemic tetany, urinary calculi.
Target Organs: None identified
Additional Effects: May aggravate pre-existing skin disorders, eye problems, or impaired liver, kidney or respiratory functions.
Reproductive Effects: None identified
Carcinogenicity: None identified

Toxicity Data:
Sodium oxalate
LD50 (oral, rat) 11160 mg/kg
LDLo (intravenous, human) 17 mg/kg

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Data:
Terrestrial Toxicity Data:
### 12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th></th>
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<th>Terrestrial Toxicity Data:</th>
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<tbody>
<tr>
<td>Sodium oxalate</td>
<td>No information available</td>
<td>No information available</td>
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</tbody>
</table>

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 a regulated material for domestic ground transporation, per CFR Title 49.

- **UN Number:** UN2811  
- **Proper Shipping Name:** Toxic solid, organic, nos (sodium oxalate)  
- **Packing Group:** III  
- **Hazard Class:** 6.1  
- **Environmental hazards:** No information available  
- **Special precautions:** No information available  
- **Bulk transport:** No information available

### 15. REGULATORY INFORMATION

Sodium oxalate is listed in the TSCA inventory.

### 16. OTHER INFORMATION

OSHA SDS #: 26440 rev 101 3/27/2015

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

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