SAFETY DATA SHEET: SODIUM ERYTHORBATE

1. IDENTIFICATION

Product Name: SODIUM ERYTHORBATE
Synonyms: Sodium isoascorbate
Formula and Formula Weight: C6H7NaO6 H2O  216.12
Integra numbers beginning with: S366.32
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: None identified
Hazard Category: Not applicable
Hazard Statement: Not applicable
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 erythorbate</td>
<td>Sodium isoascorbate</td>
<td>06387-77-7</td>
<td>100</td>
</tr>
</tbody>
</table>

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. Seek medical attention if irritation develops.
Ingestion: If conscious, rinse mouth and give victim large amounts of water. Seek medical attention.
Additional notes: Symptoms and effects include skin, eye, respiratory irritation.

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: High dust concentrations may ignite in the presence of an ignition source.
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 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. Protect from direct light and minimize contact with air.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:
Sodium erythorbate: None identified

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

Appearance: White to slightly colored crystals
Odor: Odorless
Odor Threshold: Not available
pH: 5 to 8
Melting/Freezing Point: 165 °C
Initial Boiling Point and Boiling Range: Not available
Flash Point: Not available
Evaporation Rate: Not available

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Flammability: Not flammable
Flammable or Explosive Limits (% by volume in air): Lower: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Relative Density: 1.2 g/cc
Solubility: 15 g in 100 g of 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: None identified
Incompatibles: Incompatible with strong oxidizers.
Decomposition Products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION
Effects of Over Exposure:
Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract.
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: No information available
Additional Effects: None identified
Target Organs: None identified
Reproductive Effects: None identified
Carcinogenicity: None identified
Toxicity Data:
Sodium erythorbate LD_{50} (oral, mouse) 8300 mg/kg

12. ECOLOGICAL INFORMATION
<table>
<thead>
<tr>
<th>Sodium erythorbate</th>
<th>Aquatic Toxicity Data:</th>
<th>Terrestrial Toxicity Data:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability:</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Bioaccumulative potential:</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Mobility in soil:</td>
<td>No information available</td>
<td>No information available</td>
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<tr>
<td>Other adverse effects:</td>
<td>No information available</td>
<td>No information available</td>
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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.

15. REGULATORY INFORMATION
Sodium erythorbate is listed in the TSCA inventory.

16. OTHER INFORMATION
OSHA SDS #: 26391 rev 101 3/27/2015

NE = Not established, NA = Not applicable or Not available
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***** END OF SDS *****