SAFETY DATA SHEET: SODIUM PYROPHOSPHATE DECAHYDRATE

1. IDENTIFICATION
Product Name: SODIUM PYROPHOSPHATE DECAHYDRATE
Synonyms: Tetrasodium pyrophosphate anhydrous
Formula and Formula Weight: \( \text{Na}_4\text{P}_2\text{O}_7 \cdot 10\text{H}_2\text{O} \) 446.06
Integra numbers beginning with: S544.10
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>Skin Corrosion/Irritation</td>
<td>2</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Eye Damage/Irritation</td>
<td>2A</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity (single exposure)</td>
<td>3</td>
<td>May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

Signal Word: WARNING

Precautionary Statements

Prevention:
- Use only outdoors or in a well-ventilated area. Avoid breathing dust.
- Wash thoroughly after handling.
- Wear eye protection, face protection. Wear protective gloves.

Response:
- If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice, attention.
- If inhaled: Remove person to fresh air and keep comfortable for breathing.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice, attention.
- Specific treatment (see first aid section on this label)
- Take off contaminated clothing and wash it before reuse.

Storage:
- Store locked up in a well ventilated place. Keep container tightly closed.

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>Sodium pyrophosphate decahydrate</td>
<td>Tetrasodium pyrophosphate decahydrate</td>
<td>13472-36-1</td>
<td>100</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

- Inhalation:
  - Remove person to fresh air and keep comfortable for breathing.
- Eye Contact:
  - Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. 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:
  - None identified.
- Hazardous combustion products: Oxides of phosphorous.

6. ACCIDENTAL RELEASE MEASURES

- Spill Procedures:
  - Prevent spread of spill. Wear suitable protective equipment. Sweep or scoop into clean, dry disposal container. Flush spill area with water.
7. HANDLING AND STORAGE
Incompatible Materials: Incompatible with strong oxidizers.
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. Material is hygroscopic. Keep containers tightly closed. Protect from moisture and moist air.

Use only outdoors or in a well-ventilated area. Avoid breathing dust.
Wash thoroughly after handling.
Wear eye protection, face protection. Wear protective gloves.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION
OSHA & ACGIH Exposure Limits:
Sodium pyrophosphate decahydrate ACGIH TWA: 5 mg/m3

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 goggles, protective clothing and gloves appropriate for the risk of exposure.

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 crystals
Odor: Not available
Odor Threshold: Not available
pH: 9.5 - 10.5 at 50 g/L at 20 °C
Melting/Freezing Point: 79 °C
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
Vapor Pressure: Not available
Vapor Density: Not available
Relative Density: 1.82 g/cc
Solubility: 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: Excessive heat.
Incompatibles: Incompatible with strong oxidizers.
Decomposition Products: Oxides of phosphorous.

11. TOXICOLOGICAL INFORMATION
Effects of Over Exposure:
Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract.
Skin Contact: Contact may cause skin irritation.
Eye Contact: May irritate or burn the eyes.
Ingestion: May be harmful if swallowed.
Chronic Effects: Dermatitis
Target Organs: Eyes, skin, respiratory system.
Additional Effects: None identified
Reproductive Effects: None identified
Carcinogenicity: None identified

Toxicity Data:
Sodium pyrophosphate decahydrate LD50 (oral, mouse) 40 mg/kg

12. ECOLOGICAL INFORMATION

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### 12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Aquatic Toxicity Data:</th>
<th>Terrestrial Toxicity Data:</th>
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</thead>
<tbody>
<tr>
<td>Sodium pyrophosphate decahydrate</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<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>
</tr>
<tr>
<td>Other adverse effects:</td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>

### 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 pyrophosphate decahydrate is listed in the TSCA inventory.

### 16. OTHER INFORMATION


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

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