SAFETY DATA SHEET: SODIUM PERIODATE

1. IDENTIFICATION

Product Name: SODIUM PERIODATE
Synonyms: Sodium metaperiodate; Periodic acid sodium salt
Formula and Formula Weight: NaIO4 213.89
Integra numbers beginning with: S514.10
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>Hazard Category</th>
<th>Hazard Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity - Oral</td>
<td>3  Toxic if swallowed.</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>2  Causes skin irritation.</td>
</tr>
<tr>
<td>Eye Damage/Irritation</td>
<td>2A Causes serious eye irritation.</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity (single exposure)</td>
<td>3 May cause respiratory irritation.</td>
</tr>
<tr>
<td>Oxidizing Solids</td>
<td>2 May intensify fire; oxidizer.</td>
</tr>
</tbody>
</table>

Signal Word: Danger

Precautionary Statements

Prevention:
- Keep away from heat.
- Keep and store away from clothing, combustible materials.
- Take any precaution to avoid mixing with combustibles.
- Avoid breathing dust, fume, gas, mist, vapors, spray.
- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves, eye protection, face protection.

Response:
- If swallowed: Rinse mouth. Immediately call a poison center, doctor.
- If on skin: Wash with plenty of water.
- 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.
- Call a poison center, doctor if you feel unwell.
- Specific treatment (see first aid section on this label)
- If skin irritation occurs: Get medical advice, attention.
- If eye irritation persists: Get medical advice, attention.
- Take off contaminated clothing and wash it before reuse.

Storage:
- Store in a well ventilated place. Keep container tightly closed.
- 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>Sodium periodate, meta</td>
<td>Sodium metaperiodate; Periodic acid sodium salt</td>
<td>07790-28-5</td>
<td>100</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing.
9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** White or light yellow crystals
- **Odor:** Odorless
- **Odor Threshold:** Not available
- **pH:** 3.5 - 5.5 for a 10% solution at 25°C
- **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:** 3.86 g/cc
- **Solubility:** Soluble in cold water
- **Partition Coefficient: n-octanol/water:** Not available
- **Auto-Ignition Temperature:** Not available
- **Decomposition Temperature:** 300
- **Viscosity:** Not available

10. STABILITY AND REACTIVITY

- **Reactivity:** No information available
- **Stability:** Stable
- **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur
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:** Harmful if swallowed. Ingestion may cause nausea, vomiting and gastrointestinal irritation.

**Chronic Effects:** May cause kidney dysfunction or failure and blood conditions such as hemolysis. May affect the central nervous system.

**Target Organs:** None identified

**Additional Effects:** May aggravate pre-existing kidney disorders, liver disorders

**Reproductive Effects:** None identified

**Carcinogenicity:** None identified

**Toxicity Data:**

| Sodium periodate, meta | LD50 (oral, rat) | 264 mg/kg |

12. ECOLOGICAL INFORMATION

**Aquatic Toxicity Data:** No information available

**Terrestrial Toxicity Data:** 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 a regulated material for domestic ground transporation, per CFR Title 49.

- **UN Number:** UN1479
- **Proper Shipping Name:** Oxidizing solid, nos (sodium periodate)
- **Packing Group:** III
- **Hazard Class:** 5.1
- **Environmental hazards:** No information available
- **Special precautions:** No information available
- **Bulk transport:** No information available

15. REGULATORY INFORMATION

Sodium periodate, meta is listed in the TSCA inventory.

16. OTHER INFORMATION

OSHA SDS #: 26448 rev 101 3/27/2015

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

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