1. IDENTIFICATION

Product Name: POTASSIUM PYROANTIMONATE TS
Synonyms: 
Formula and Formula Weight: Mixture NA
Integra numbers beginning with: P798.7A
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: 
Hazards Not Otherwise Classified: No information available
Warning Signal Word: 

OSHA Classification: 
Acute Toxicity - Oral 
Acute Toxicity - Inhalation 
Skin Corrosion/Irritation 
Eye Damage/Irritation 

Hazard Category: 
4 Harmful if swallowed. 
4 Harmful if inhaled. 
2 Causes skin irritation. 
2A Causes serious eye irritation. 

Hazard Statement: 
Harmful if swallowed. 
Harmful if inhaled. 
Causes skin irritation. 
Causes serious eye irritation.

Precautionary Statements
Prevention: 
Avoid breathing 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 eye protection, face protection, protective gloves.

Response 
If swallowed: Rinse mouth. Call a poison center, doctor if you feel unwell. 
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.

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

Hazards Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component 
Water 
Potassium hydroxide 
Potassium hexahydroxyantimonate 
Sodium hydroxide 

Synonyms 
Caustic potash; Potassium hydrate; Potassa 
Caustic soda; Lye; Soda lye; Sodium hydrate 

% Weight 96.94 1.7 1.3 0.06

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: Flush skin with plenty of 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, gastrointestinal irritation; nausea, vomiting, burns to mouth and throat.

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**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: Antimony and antimony oxides.

**6. ACCIDENTAL RELEASE MEASURES**

Spill Procedures: Prevent spread of spill. Absorb with inert material and sweep or scoop into a suitable disposal container. Wear full protective equipment. Neutralize residues with dilute acid and flush with water. Do not flush to sewer or storm drain.

**7. HANDLING AND STORAGE**

Incompatible Materials: Incompatible with strong acids.

Storage and Handling: Store in a cool, dry, well-ventilated corrosive materials storage area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Minimize exposure to air and light.

Avoid breathing 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 eye protection, face protection, protective gloves.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

OSHA & ACGIH Exposure Limits:

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA TWA</th>
<th>ACGIH Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>None identified</td>
<td></td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium hexahydroxyantimonate</td>
<td>OSHA TWA: 0.5 mg/m3 (as Sb)  ACGIH TWA: 0.5 mg/m3 (as Sb)</td>
<td></td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>OSHA TWA: 2 mg/m3  ACGIH Ceiling: 2 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Controls: Use general or local exhaust ventilation to meet TLV and PEL requirements.

Respiratory Protection: Respiratory protection required if airborne concentrations exceed 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: Clear, colorless liquid

Odor: Not available

Odor Threshold: Not available

pH: Not available

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: Not available

Solubility: Miscible with 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: Contamination.

Incompatibles: Incompatible with strong acids.

Decomposition Products: Antimony and antimony oxides.

**11. TOXICOLOGICAL INFORMATION**

Effects of Over Exposure: 

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Inhalation: May be harmful if inhaled.
Skin Contact: Contact may cause skin irritation.
Eye Contact: Contact may burn or damage the eyes.
Ingestion: Harmful if swallowed. Ingestion may cause nausea, vomiting and gastrointestinal irritation and burns to the mouth and throat.
Chronic Effects: None identified
Target Organs: None identified
Additional Effects: None identified
Reproductive Effects: None identified
Carcinogenicity: None identified

**Toxicity Data:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Water</th>
<th>Potassium hydroxide</th>
<th>Potassium hexahydroxyantimonate</th>
<th>Sodium hydroxide</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No information available</td>
<td>Irritation (eye, rabbit)</td>
<td>Irritation (skin, human)</td>
<td>Irritation (skin, human)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Moderate: 1 mg/24 hr rinse</td>
<td>Severe: 50 mg/24 hr</td>
<td>Severe: 2% /24 hr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 (oral, rat)</td>
<td>273 mg/kg</td>
<td>2% /24 hr</td>
</tr>
</tbody>
</table>
|                                   |                                            | Irritation (skin, human) | Severe: 500 mg/24 hr |%

**12. ECOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Aquatic Toxicity Data:</th>
<th>Terrestrial Toxicity Data:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>LC50 Gambusia affinis: 80 mg/L - 96h</td>
<td>No information available</td>
</tr>
<tr>
<td>Potassium hexahydroxyantimonate</td>
<td>LC50 Daphnia magna: &gt;164 mg/L - 24h</td>
<td>No information available</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>LC50 Mosquito fish: 125 mg/L - 96h; EC50</td>
<td>No information available</td>
</tr>
</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 transportation, per CFR Title 49.

- UN Number: UN2922
- Proper Shipping Name: Corrosive liquid, toxic, nos
- Packing Group: III
- Hazard Class: 8
- Subsidiary Risk: 6.1
- Environmental hazards: No information available
- Special precautions: No information available
- Bulk transport: No information available

**15. REGULATORY INFORMATION**

Potassium hydroxide is listed in the TSCA inventory.
Potassium hexahydroxyantimonate is listed in the TSCA inventory and in SARA 313 (as antimony compounds).
Sodium hydroxide is listed in the TSCA inventory.

**16. OTHER INFORMATION**

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

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