MATERIAL SAFETY DATA SHEET

MANUFACTURER: TAYLOR TECHNOLOGIES, INC
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1. PRODUCT IDENTIFICATION
CATALOG NO.: R-0617
PRODUCT NAME: Iodide Iodate N/63
CHEMICAL FAMILY: Inorganic salt solution

2. INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NO.</th>
<th>%</th>
<th>NATURE OF HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>&lt;1</td>
<td>Irritant alkali</td>
</tr>
<tr>
<td>Nonhazardous ingredients</td>
<td>NA</td>
<td>&lt;1</td>
<td>None</td>
</tr>
<tr>
<td>Deionized water</td>
<td>7732-18-5</td>
<td>to 100</td>
<td>None</td>
</tr>
</tbody>
</table>

3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Liquid
APPEARANCE: Clear, colorless
ODOR: None
BOILING PT (F): 212
pH: 11.9
SPECIFIC GRAVITY: 1.01
VAPOR PRESSURE (mm Hg): 17
VAPOR DENSITY (AIR=1): .6
PERCENT VOLATILE BY VOLUME: 99
SOLUBILITY IN WATER: Soluble

4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT: NA
METHOD: NA

FLAMMABLE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or foam
SPECIAL PROCEDURES: Wear self-contained (positive pressure if available) breathing apparatus and full-protective clothing
FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May release elemental iodine upon contact with acids and other chemicals. May emit toxic fumes of iodine, potassium oxide.
NFPA CODE: Health: 0 Flammability: 0 Reactivity: 0 Specific: NA
CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with acids.

5. HEALTH HAZARD DATA

INGREDIENT: Potassium hydroxide
TOXICITY: LD50 (orl-rat): 365 mg/kg
PEL: NE TLV: 2 mg/m3 (ceiling)
STEL: NE

ROUTE(S) OF ENTRY: Inhalation Ingestion X Skin X

TARGET ORGAN(S): Eyes, skin
CARCINOGENICITY: NTP No IARC No OSHA No
HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:
EYES: Contact may cause irritation.
SKIN: Contact may cause irritation.
INGESTION: Irritant. May cause gastrointestinal irritation.
INHALATION: NA

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin conditions
6. PRECAUTIONARY MEASURES

   PROTECTIVE EQUIPMENT: General purpose gloves, safety glasses, lab coat

   HANDLING: Avoid contact with eyes, skin, and clothing. Avoid breathing
   chemical. Wash thoroughly after handling.

   STORAGE: Cool, dry area. Avoid direct sunlight.

7. EMERGENCY AND FIRST AID PROCEDURES

   EYE AND SKIN CONTACT: Immediately flush eyes with water for 20 minutes or
   until chemical is removed. Call physician. Wash skin thoroughly with soap
   and water.

   INGESTION: Give large amounts of water. Call physician. Induce vomiting
   under direction of physician. DO NOT induce vomiting or give anything by
   mouth to a person who is unconscious, rapidly losing consciousness, or
   convulsing.

   INHALATION: NA

8. SPILL AND DISPOSAL PROCEDURES

   SPILL OR RELEASE: Absorb with vermiculite or other inert material.
   Containerize for later disposal.

   DISPOSAL: Incineration or other method to comply with all local, state, and
   federal regulations.

   NA = Not applicable
   ND = Not determined
   NE = Not established

This Material Safety Data Sheet has been prepared in accordance with 29 CFR
Part 1910.1200 and contains information believed to be accurate and complete at
the date of preparation. However, no warranty is expressed or implied. Advice
given under "Spill and Disposal Procedures" assumes compliance with federal,
state, and local regulations regarding the disposal of hazardous waste.

DATE PREPARED: July 2005