1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Catalog Number: 100427
Product name: POTASSIUM TELLURITE
Synonyms: Potassium Tellurite (IV)
Supplier: MP Biomedicals, LLC
29525 Fountain Parkway
Solon, OH 44139
tel: 440-337-1200
Emergency telephone number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Weight %</th>
<th>ACGIH Exposure Limits</th>
<th>OSHA Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POTASSIUM TELLURITE</td>
<td>7790-58-1</td>
<td>90 - 100%</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Harmful if swallowed.

Category of Danger: Harmful

Principle routes of exposure: Skin
Inhalation: Harmful by inhalation.
Ingestion: Harmful if swallowed.
Skin contact: Harmful in contact with skin.
Eye contact: Risk of serious damage to eyes

Statements of hazard HARMFUL IF SWALLOWED. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR INHALED.

Statement of Spill or Leak - ANSI Label Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation: Move to fresh air. Call a physician immediately.
Skin contact: Rinse immediately with plenty of water and seek medical advice
Ingestion: Do not induce vomiting without medical advice.
4. FIRST AID MEASURES

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Protection of first-aiders: No information available
Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO2, water spray or "alcohol" foam
Specific hazards: Burning produces irritant fumes.
Unusual hazards: None known
Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus
pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods: Water mist may be used to cool closed containers.
Flash point: Not determined
Autoignition temperature: Not determined
NFPA rating:
- NFPA Health: 2
- NFPA Flammability: 0
- NFPA Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.
Environmental precautions: Prevent product from entering drains.
Methods for cleaning up: Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Storage: ROOM TEMPERATURE.
Handling: Use only in area provided with appropriate exhaust ventilation.
Safe handling advice: Wear personal protective equipment.
Incompatible products: Oxidising and spontaneously flammable products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation.
PERSONAL PROTECTIVE EQUIPMENT
Respiratory protection: Breathing apparatus only if aerosol or dust is formed.
Hand protection: Pvc or other plastic material gloves
Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.
Eye protection: Safety glasses with side-shields
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White
Physical state: Powder
Catalog Number: 100427 Product name: POTASSIUM TELLURITE
### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula</td>
<td>K2O3Te</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>253.8</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>No data available at this time.</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>No data available at this time.</td>
</tr>
<tr>
<td>Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility (in water)</td>
<td>Soluble</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

- **Stability:** Stable under recommended storage conditions.
- **Polymerization:** None under normal processing.
- **Hazardous decomposition products:** Tellurium (Te)
- **Materials to avoid:** Strong oxidising agents
- **Conditions to avoid:** Exposure to air or moisture over prolonged periods.

### 11. TOXICOLOGICAL INFORMATION

**Product Information**

- **Acute toxicity**
  - RTECS Number: WY2420000
  - **Selected LD50s and LC50s**
    - Inhalation LC50 Rat: >2420 mg/m³/4H
    - Oral LD50 Rat: >5 gm/kg
    - Oral LD50 Mouse: >5 gm/kg

**Chronic toxicity:** Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

**Local effects:** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Specific effects:** May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

**Primary irritation:** No data is available on the product itself.

**Carcinogenic effects:** No data is available on the product itself.

**Mutagenic effects:** No data is available on the product itself.

**Reproductive toxicity:** No data is available on the product itself.

**Components**

- **NIOSH - Health Effects**
  - Malaise; CNS and red blood cell effects in animals
- **NIOSH - Target Organs**
  - skin, CNS, blood

### 12. ECOLOGICAL INFORMATION

- **Mobility:** No data available
- **Bioaccumulation:** No data available
- **Ecotoxicity effects:** No data available
- **Aquatic toxicity:** May cause long-term adverse effects in the aquatic environment.

**Components**

- **U.S. DOT - Appendix B - Marine Pollutant**
  - POTASSIUM TELLURITE: Not Listed
- **U.S. DOT - Appendix B - Severe Marine Pollutants**
  - POTASSIUM TELLURITE: Not Listed
- **United Kingdom - The Red List:**
  - POTASSIUM TELLURITE: Not Listed
13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging:

Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT:

U.S. - DOT UN Number: UN3284
Proper shipping name: Tellurium compound, n.o.s.
Hazard Class: 6.1
Packing Group: II

Emergency Response Guide Number (ERG):

151

U.S. DOT - Appendix A Table 1 - Reportable Quantities: Not Listed

TDG (Canada):

WHMIS hazard class: D1b toxic materials

IMDG/IMO

Proper shipping name: Tellurium compound, n.o.s.
IMDG - Hazard Classifications: 6.1
IMDG - Regulated Substances: UN3284

U.S. DOT - Appendix B - Marine Pollutant: Not Listed
U.S. DOT - Appendix B - Severe Marine Pollutants: Not Listed

IMO-labels:
15. REGULATORY INFORMATION

International Inventories

POTASSIUM TELLURITE
Inventory - United States TSCA - Sect. 8(b)                     Listed
Canada DSL Inventory List                              Not Listed
Canada NDSL Inventory List                             Not Listed
Australia (AICS):                                      Listed
Inventory - China:                                     Listed
EU EINECS List:                                       Listed
Korean KECL:                                           Listed
Philippines PICCS:                                   Listed

U.S. regulations:
Components
POTASSIUM TELLURITE
California Proposition 65 Right to Know List: Not Listed
Massachusetts Right to Know List: Not Listed
New Jersey Right to Know List: Not Listed
Pennsylvania Right to Know List: Not Listed

Components
POTASSIUM TELLURITE
Florida substance List: [present]
Rhode Island Right to Know List: Not Listed
Illinois - Toxic Air Pollutants                   Listed
Connecticut - Hazardous Air Pollutants              Listed

Components
POTASSIUM TELLURITE
SARA 313 Emission Reporting/Toxic Release of Chemicals
CERCLA/SARA - Section 302 Extremely Haz
NTP: None
IARC: None

SARA 313 Notification: The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

State Notification: The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

16. OTHER INFORMATION

Prepared by: Health & Safety
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End of Safety Data Sheet