



# Changsha Santech Materials Co.,Ltd.

## 长沙盛特新材料有限公司

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## Material Safety Data Sheet

### Tellurium Powder MSDS

#### Section 1 - Chemical Product and Company Identification

**Product Name:** Tellurium Powder

**Chemical Formula:** Te

**CAS#:** 13494-80-9

**Atomic mass:** 127.6 g.mol<sup>-1</sup>

**Data No.:** MSDS-4NTePowder-160105

#### **Manufacturer Information**

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#### Section 2 - Composition, Information on Ingredients

Composition:

Name	CAS No.	EC-No.	%by weight
Tellurium	13494-80-9	236-813-4	100

**Toxicological Data on Ingredients:** Not applicable.

#### Section 3 - Hazards Identification

##### **Potential Acute Health Effects:**

Very hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

##### **Potential Chronic Health Effects:**

Very hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

#### Section 4 - First Aid Measures

##### **Description of first aid measures**

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**In case of eye contact:** Flush eyes with water as a precaution.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed**

Nausea, Headache, Vomiting, Central nervous system depression

**Indication of any immediate medical attention and special treatment needed**

no data available

**Section 5 - Fire Fighting Measures** -----

**Extinguishing media**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture:** Tellurium oxides

**Advice for firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

**Further information:** no data available

**Section 6 - Accidental Release Measures** -----

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

**Section 7 - Handling and Storage** -----

**Precautions:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

**Storage:** Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

**Section 8 - Exposure Controls, Personal Protection** -----

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Section 9 - Physical and Chemical Properties** -----

**Physical state and appearance:** solid

**Odor:** alliaceous

**Molecular Weight:** 127.6 g/mole  
**Boiling Point:** 990°C (1814°F)  
**Melting Point:** 450°C (842°F)  
**Specific Gravity:** 6.24 (Water = 1)

### **Section 10 - Stability and Reactivity** -----

**Stability:** The product is stable.  
**Instability Temperature:** Not available.  
**Conditions of Instability:** Not available.  
**Incompatibility with various substances:** Not available.  
**Corrosivity:** Non-corrosive in presence of glass.  
**Special Remarks on Reactivity:** Not available.  
**Special Remarks on Corrosivity:** Not available.  
**Polymerization:** No.

### **Section 11 - Toxicological Information** -----

**Routes of Entry:** Ingestion.  
**Toxicity to Animals:** LD50: Not available. LC50: Not available.  
**Chronic Effects on Humans:** Not available.  
**Other Toxic Effects on Humans:** Very hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.  
**Special Remarks on Toxicity to Animals:** Not available.  
**Special Remarks on Chronic Effects on Humans:** Not available.  
**Special Remarks on other Toxic Effects on Humans:** Not available.

### **Section 12 - Ecological Information** -----

**Ecotoxicity:** Not available.  
**BOD5 and COD:** Not available.  
**Products of Biodegradation:**  
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.  
**Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.  
**Special Remarks on the Products of Biodegradation:** Not available.

### **Section 13 - Disposal Considerations** -----

#### **Waste treatment methods**

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### **Contaminated packaging**

Dispose of as unused product.

### **Section 14 - Transport Information** -----

**UN number** ADR/RID: 3288 IMDG: 3288 IATA: 3288  
**UN proper shipping name**  
ADR/RID: TOXIC SOLID, INORGANIC, N.O.S. (Tellurium)

IMDG: TOXIC SOLID, INORGANIC, N.O.S. (Tellurium)

IATA: Toxic solid, inorganic, n.o.s. (Tellurium)

**Transport hazard class(es)** ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

**Packaging group** ADR/RID: III IMDG: III IATA: III

### **Section 15 - Regulatory Information** -----

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **Section 16 - Additional Information** -----

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005

Last Updated: 05/01/2016

#### **Further information**

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