



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⁻¹

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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