



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 Dioxide MSDS

Section 1 - Chemical Product and Company Identification

Product Name: Tellurium Dioxide

Molecular Weight: TeO₂ 159.6 g/mol

CAS No.: 7446-07-3

EINECS No.: 231-193-1

Data No.: MSDS-4N₂TeO₂-160105

Manufacturer Information

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Section 2 - Composition, Information on Ingredients

Composition:

Name	CAS No.	EC-No.	%by weight
Tellurium Dioxide	7446-07-3	231-193-1	99.99

No ingredients are hazardous according to OSHA criteria

Section 3 - Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

Section 4 - First Aid Measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

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.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 3) and/or in section 11

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 -----

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Section 7 - Handling and Storage -----

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

For precautions see section 3.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Specific end use(s)

Laboratory chemicals, Manufacture of substances

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

Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Tellurium dioxide	7446-07-3	TWA	0.1 mg/m ³	USA. Occupational Exposure Limits(OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	0.1 mg/m ³	USA. ACGIH Threshold Limit

				Values(TLV)
	Remarks	Halitosis		
		TWA	0.1 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	0.1 mg/m ³	USA. NIOSH Recommended Exposure Limits

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

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

Physical state and appearance: Powder

Colour: White

pH: Not available

Melting point/range: 733 ° C (1,351 ° F) - lit.

Boiling point: Not available

Flash point: Not available

Flammability (solid, gas): Not available

Ignition temperature: Not available

Autoignition temperature: Not available
Lower explosion limit: Not available
Upper explosion limit: Not available
Vapour pressure: Not available
Relative Density: 5.67 g/mL at 25 ° C (77 ° F)
Water solubility: insoluble
Partition coefficient: Not available
Relative vapour density: Not available
Odour: odourless
Odour Threshold: Not available
Evaporation rate: Not available

Section 10 - Stability and Reactivity -----

Reactivity

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

no data available

Incompatible materials

Strong acids, Strong oxidizing agents

Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

Section 11 - Toxicological Information -----

Information on toxicological effects

Acute toxicity

LD50 Oral - rat - > 5,000 mg/kg

Remarks: Diarrhoea

Inhalation: no data available

Dermal: no data available

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Reproductive toxicity - rat - Subcutaneous

Effects on Newborn: Stillbirth.

no data available

Developmental Toxicity - rat - Subcutaneous

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Developmental Toxicity - rat - Subcutaneous

Effects on Embryo or Fetus: Fetal death. Specific Developmental Abnormalities: Central nervous system.

Specific

Developmental Abnormalities: Eye, ear.

Developmental Toxicity - rat - Subcutaneous

Specific Developmental Abnormalities: Central nervous system. Effects on Newborn: Viability index (e.g., # alive at day 4 per # born alive).

Developmental Toxicity - rat - Subcutaneous

Specific Developmental Abnormalities: Urogenital system. Specific Developmental Abnormalities:

Homeostasis

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

RTECS: WY2675000

prolonged or repeated exposure can cause:, Nausea, Headache, Vomiting

Section 12 - Ecological Information -----

Toxicity

Toxicity to fish LC50 - Fundulus heteroclitus - > 1,000 mg/l - 96 h

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

no data available

Section 13 - Disposal Considerations -----

Waste treatment methods

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 14 - Transport Information -----

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15 - Regulatory Information -----

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Tellurium dioxide	7446-07-3	

New Jersey Right To Know Components

	CAS-No.	Revision Date
Tellurium dioxide 7	7446-07-3	

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - Additional Information -----

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005

Last Updated: 05/01/2016

Further information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Changsha Santech Materials Co.,Ltd., be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Changsha Santech Materials Co.,Ltd., has been advised of the possibility of

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