



Safety Data Sheet

According to Federal Register / Vol 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture, Metal

Product Name: Tellurium

Product Code: Te

Synonyms:

1.2. Intended Use of the Product

Use of the Substance/Mixture: No use is specified.

1.3. Name, Address, and Telephone of the Responsible Party

Distributor

Belmont Metals Inc

330 Belmont Ave

Brooklyn, NY 11207

TEL: 718-342-4900

1.4. Emergency Telephone Number

Emergency Number : 718-342-4900

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of substance or mixture

Classification according to	Repr. 1B; H360
Regulation (EC) No 1272/2008	
[CLP / GHS]	Acute tox. 4; H332
	Skin Sens. 1B; H317
	Aquatic Chronic 4; H413

2.2. Label elements

Hazard Pictograms (CLP)



Signal word

Danger

Hazard statements

H360 May damage fertility or the unborn child

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313 IF exposed or concerned: Get medical advice / attention.

2.3. Other hazards

PBT / vPvB

The PBT and vPvB criteria of Annex XIII to the regulation does not apply to inorganic substances.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance	Identification	Classification	Contents
Tellurium	CAS no.: 13494-80-9	Acute tox. 4; H332	99,7 -99,99 %
	EC no.: 236-813-4	Repr. 1B; H360	
	REACH Reg. No.: 01-2119980063-40-0002	Skin Sens. 1B; H317	
		Aquatic Chronic 4; H413	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	If breathed in, move person into fresh air. Consult a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, seek medical advice/attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Call a physician if irritation persists.
Ingestion	Rinse mouth with water. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

General symptoms and effects No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Dry powder; Foam; Carbon dioxide (CO₂)

Improper extinguishing media No data available.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards Fire may cause evolution of: Tellurium oxide

5.3. Advice for firefighters

Personal protective equipment Wear self-contained breathing apparatus and protective suit.

Other Information No data available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Avoid dust formation. Provide good ventilation of working area (local exhaust ventilation if necessary).

6.2. Environmental precautions

Environmental precautionary measures Avoid dust formation. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Other information Pick up mechanically. Send in suitable containers for recovery or disposal. (Section 13)

6.4. Reference to other sections

Other instructions See also section 8,13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Safe handling advice Avoid contact with skin, eyes and clothing. If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Avoid dust formation. Technical measures/Precautions Provide good ventilation of working area (local exhaust ventilation if necessary).

7.2. Conditions for safe storage, including any incompatibilities

Storage Always keep in containers of same material as the original one. Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible products Acids; Oxidizing agents; Bases

7.3. Specific end use(s)

Specific use(s) No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
Tellurium	CAS no.: 13494-80-9	TWA (8h): 0.1 mg/m ³ Source: Te, HTP Finland	TWA Year: 2015
		OEL Short Term Value	
		Value: 0.3 mg/m ³ Source: Te, HTP Finland	

DNEL / PNEC

DNEL
Group: Industrial
Remarks: Long term inhalation 400 µg/m³

Group: Industrial
Remarks: Dermal 600 µg/kg bw/day

PNEC
Route of exposure: Freshwater
Value: 5,79
Remarks: 5,79 µg/l
Route of exposure: Saltwater

8.2. Exposure controls**Precautionary measures to prevent exposure**

Product-related measures to prevent exposure
Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective equipment. Ensure that eyewash stations and safety showers are close to the workstation location. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work. At work do not eat, drink, smoke or take drugs. Keep away from food, drink and animal feedingstuffs. Keep working clothes separately.

Eye / face protection

Suitable Eye Protection
Use eye protection. Wear full-face visor or shield.

Hand protection

Suitable gloves type
Wear protective gloves.

Skin protection

Suitable protective clothing
Wear appropriate clothing to prevent reasonably probable skin contact. Wear special protective clothing.

Respiratory protection

Recommended type of equipment
Use respiratory equipment with particle filter, type P3.

Appropriate environmental exposure control

Environmental exposure controls
The employer shall fulfill requirements of IPPC Directive.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state
Solid
Colour
Grey. Dark.
Odour
Odourless
Odour limit
Comments: Not determined.
pH
Status: In delivery state
Comments: Technical impossibility to obtain the data.
Melting point / melting range
Comments: 449.8-452°C

Boiling point / boiling range	Comments: 990°C
Flash point	Comments: Not relevant.
Flammability (solid, gas)	Not combustible.
Vapour pressure	Comments: No data available.
Vapour density	Comments: No data available.
Specific gravity	Comments: 6.232
Bulk density	Value: 5,9 – 6,24 g/cm ³
Solubility	Comments: Insoluble
Spontaneous combustability	Comments: Not applicable.
Viscosity	Comments: Not relevant.
Oxidising properties	Not relevant.

9.2. Other information

Other physical and chemical properties

Comments	Ingot. water solubility 1.762 mg/L 21°C
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No dangerous reaction known under conditions of normal use.
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10.2. Chemical stability

Stability	Stable under recommended storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
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10.4. Conditions to avoid

Conditions to avoid	Avoid dust formation.
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10.5. Incompatible materials

Materials to avoid	Strong acids and oxidizing agents, Strong bases, Zinc, Cadmium, Potassium, Sodium, Sodium oxides, Halogens
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10.6. Hazardous decomposition products

Hazardous decomposition products	Not known.
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Other information

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Type of toxicity: Acute Effect Tested: LD50
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Route of exposure: Oral
 Value: > 5000 mg/kg
 Species: rat
 Test reference: OECD 401

Type of toxicity: Acute
 Effect Tested: LC50
 Route of exposure: Inhalation.
 Duration: 4 h
 Value: > 2,42 mg/m³
 Species: rat
 Test reference: OECD 403

Other information regarding health hazards

Assessment of acute toxicity classification	Acute tox. 4 H332
Assessment of skin corrosion / irritation, classification	According to the classification criteria of the European Union, the product is not considered as being a skin irritant. According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
General respiratory or skin sensitisation	Skin Sens. 1B H317 May cause an allergic skin reaction, OECD Guideline 429
Mutagenicity	Not classified as dangerous.
Assessment carcinogenicity classification	Not classified as dangerous.
Reproductive toxicity	Repr. 1B H360 May damage fertility. May damage the unborn child
Assessment of specific target organ toxicity RE, classification	No data available.
Aspiration hazard, comments	Not relevant.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Aq. Chr. 4 H413 May cause long lasting harmful effects to aquatic life. LC50/96h/rainbow trout = 37.1 mg/l EC50/48h/daphnia = 5.79 mg/L EC50/LC50/ Fresh water algae = 11.7 mg/L
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12.2. Persistence and degradability

Persistence and degradability	Not relevant.
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available.
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12.4. Mobility in soil

Mobility	No data available.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	The PBT and vPvB criteria of Annex XIII to the regulation does not apply to inorganic substances.
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12.6. Other adverse effects

Other adverse effects / Remarks no data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Specify the appropriate methods of disposal EWC Waste code 060499 – wastes not otherwise specified The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation (2000/532/EC). Contaminated packaging should be emptied as far as possible. Packaging that cannot be cleaned should be disposed as special waste in compliance with local and national regulations.

Other Information Contact manufacturer. Dispose of as special waste in compliance with local and national regulations.

SECTION 14: Transport information**14.1. UN number**

Comments Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Comments Not classified as dangerous in the meaning of transport regulations.

14.3. Transport hazard class(es)

Comments -

14.4. Packing group

Comments -

14.5. Environmental hazards

Comments -

14.6. Special precautions for user**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Transport In Bulk Value (Yes/No) No

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Legislation and regulations No data available.

15.2. Chemical safety assessment

Chemical safety assessment performed Yes

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3).	H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H360 May damage fertility or the unborn child H413 May cause long lasting harmful effects to aquatic life.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Repr. 1B; H360 Acute tox. 4; H332 Skin Sens. 1B; H317 Aquatic Chronic 4; H413
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