



## Material Safety Data Sheet

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### SECTION 1: Product Identification

<b>Product name</b>	Bis(dimethyl-t-butylsilyl)telluride, 98%
<b>CAS #</b>	NA
<b>Catalog #</b>	0520700
<b>Chemical family</b>	Metal alkyl

### SECTION 2: Composition, Information on Ingredients

<b>Component</b>	<b>%</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>Hazard Symbol</b>	<b>R-Phrase</b>
Bis(dimethyl-t-butylsilyl)telluride	98	NA	none	T	23/24/25

### SECTION 3: Hazard Identification

<b>Emergency overview</b>	Toxic by inhalation in contact with skin and if swallowed
<b>Eye contact</b>	May cause eye irritation.
<b>Skin contact</b>	May be harmful if absorbed through the skin.
<b>Inhalation</b>	May be harmful if inhaled. Causes irritation of respiratory system.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Chronic health effects</b>	Not available.

### SECTION 4: First Aid Measures

<b>Eye exposure</b>	Flush eyes with of water for at least 10-15 minutes, get medical aid immediately.
<b>Skin exposure</b>	Wash the affected area with water. Remove contaminated clothes if necessary. Get medical aid.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. In such cases seek immediate medical assistance.
<b>Ingestion</b>	If victim is conscious wash out mouth with water. Seek medical attention.

### SECTION 5: Fire Fighting Measures

<b>General information</b>	If this material is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.
<b>Extinguishing media</b>	Dry chemical, carbon dioxide, or chemical foam.

### SECTION 6: Accidental Release Measures

<b>Spill and leak procedures</b>	Small spills can be mixed with vermiculite or sodium carbonate or other inert material and swept up. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area.
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<b>SECTION 7: Handling and Storage</b>	
<b>Handling</b>	Avoid contact with skin and eyes. Use only in a chemical fume hood. Handle under an inert atmosphere.
<b>Storage</b>	Store in a cool, dry place. Keep container closed. Store under inert gas (argon or nitrogen).
<b>SECTION 8: Exposure Controls and Personal Protection</b>	
<b>Eye protection</b>	Always wear approved safety glasses when handling a chemical substance in the laboratory.
<b>Skin protection</b>	Wear protective gloves.
<b>Ventilation</b>	Use in a chemical fume hood.
<b>Respirator</b>	If ventilation is not available a respirator should be worn. The use of respirators requires Respirator Protection Program to be in compliance with 29CFR 1910.134.
<b>SECTION 9: Physical and Chemical Properties</b>	
<b>Appearance</b>	White melted solid
<b>Odor</b>	No data
<b>Melting point</b>	No data
<b>Flash point</b>	No data
<b>Solubility in water</b>	No data
<b>Density</b>	No data
<b>Molecular formula</b>	C <sub>12</sub> H <sub>30</sub> Si <sub>2</sub> Te
<b>Molecular weight</b>	358.14
<b>SECTION 10: Stability and Reactivity</b>	
<b>Stability</b>	Air and moisture sensitive.
<b>Hazardous polymerization</b>	No hazardous polymerization.
<b>Conditions to avoid</b>	Incompatible materials, moist air.
<b>Incompatibilities with other materials</b>	Strong oxygen agents.
<b>Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide, tellurium and silicon oxides.
<b>SECTION 11: Toxicological Information</b>	
<b>RTECS Data</b>	No information available in the RTECS files.
<b>Carcinogenic effects</b>	No data available.
<b>Mutagenic effects</b>	No data available.
<b>Teratogenic effects</b>	No data available.
<b>SECTION 12: Ecological Information</b>	
<b>Ecological information</b>	No information available.
<b>SECTION 13: Disposal Considerations</b>	
Dispose of in a manner consistent with federal, state, and local regulations.	

SECTION 14: Transport Information	
<b>Shipping name (CFR)</b>	Tellurium compound, N.O.S.
<b>Hazard class (CFR)</b>	6.1
<b>Additional hazard class (CFR)</b>	
<b>Packing group (CFR)</b>	I
<b>UN ID number (CFR)</b>	3284
<b>Shipping name (IATA)</b>	Tellurium compound, N.O.S.
<b>Hazard class (IATA)</b>	6.1
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<b>Packing group (IATA)</b>	I
<b>UN ID number (IATA)</b>	3284
SECTION 15: Regulatory Information	
<b>TSCA</b>	Not listed in the TSCA inventory
<b>SARA</b>	Not reportable under SARA Title 313.
SECTION 16: Other Information	
<b>Preparation date</b>	29.10.09
<b>Revision date</b>	29.10.09
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