

1. Product and Company Identification		
Trade Name:	Germanium telluride	
Chemical Formula:	GeTe	
Recommended Use:	Scientific research and development	
Manufacturer/Supplier:	Stanford Advanced Materials	
Street:	23661 Birtcher Dr.	
City:	Lake Forest	
State:	California	
Zip Code:	92630	
Country:	USA	
Tel #:	(949) 407-8904	
	2. Hazards Identification	
Signal Word:	Warning	
Hazard Statements:	H302: Harmful if swallowed	
Precautionary Statements:	P264: Wash thoroughly after handling	
	P270: Do not eat, drink or smoke when using this productP405: Store	
	locked up	
	P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/	
	physician if you feel unwell P330: Rinse mouth	
	P501: Dispose of contents/container in accordance with	
	local/regional/national/international regulations	
	None	
HMIS Health Ratings (0-4):		
Health:	1	
Flammability:	0	
Physical:	1	
	3. Composition	
Chemical Family:	Ceramic	
Additional Names:	Germanium(II) telluride, Germanium monotelluride, Tellanylidenegermanium, Telluroxogermanium	
Germanium telluride (GeTe):		
Percentage:	100 wt%	
CAS #:	12025-39-7	
EC #:	234-706-7	

	4. First Aid Procedures
General Treatment:	Seek medical attention if symptoms persist.
Special Treatment:	None
Important Symptoms:	None
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Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult. Seek Medical Attention.
Ingestion: Skin:	
SKIII:	Wash affected area with mild soap and water. Remove any contaminated clothing.
Eyes:	Flush eyes with water, blinking often for several minutes. Remove
Lycs.	contact lenses if present and easy to do. Continue rinsing
	contact tenses in present and easy to do. Continue tinsing
	5. Firefighting Measures
Flammability:	Non-flammable
Extinguishing Media:	No special restrictions – use suitable extinguishing agent for
	surrounding material and type of fire.
Spec. Fire Fighting Procedure:	Use full-face, self-contained breathing apparatus with full protective
	clothing to prevent contact with skin and eyes. See section 10 for
	decomposition products.
	6. Accidental Release Measures
If Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in
L	special protection information. Isolate spill area and provide
	ventilation. Vacuum up spill using a high efficiency particulate
	absolute (HEPA) air filter and place in a closed container for disposal.
	Take care not to raise dust.
Environmental Precautions:	Isolate runoff to prevent environmental pollution.
	7. Handling and Storage
Handling Conditions:	Wash thoroughly after handling.
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store apart from
0	materials and conditions listed in section 10.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before
	eating and smoking. Do not blow dust off clothing or skin with
	compressed air.
Ventilation:	Provide sufficient ventilation to maintain concentration at or below
	threshold limit.
8. E	Exposure Controls and Personal Protection
Permissible Exposure Limits:	N/A
Threshold Limit Value:	0.1 mg/m^3 as Te, long-term value
Special Equipment:	None
Respiratory Protection:	Use a respirator with type N95 (USA) or PE (EN 143) cartridges as a
	backup to engineering controls. Risk assessment should be performed
	to determine if purifying respirators are appropriate. Only use
	equipment tested and approved under appropriate government
	standards.
	Rubber gloves
Protective Gloves: Eye Protection:	Safety glasses or goggles

9. Physical and Chemical Characteristics		
Color	Black	
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts	
Odor:	Odorless	
Water Solubility:	Insoluble	
Boiling Point:	N/A	
Melting Point:	725 °C	
Flash Point:	N/A	
Autoignition Temperature:	N/A	
Density:	6.14 g/cc	
Molecular weight:	200.20 g/mol	
	10. Reactivity	
Stability:	Stable under recommended storage conditions	
Reacts With:	Acids, Oxidizing agents	
Incompatible Conditions:	None	
Hazardous Decomposition Products:	Tellurium dioxide, Germanium oxide	
	11. Toxicological Information	
Potential Health Effects:		
Eyes:	May cause irritation	
Skin:	May cause irritation	
Ingestion:	Harmful	
Inhalation:	May cause irritation	
Chronic:	N/A	
Signs & Symptoms: Aggravated	N/A	
Medical Conditions:	N/A	
Median Lethal Dose:	N/A	
Carcinogen:	N/A	
	12. Ecological Information	
Aquatic Toxicity:	Low	
Persistent Bioaccumulation Toxicity:	No	
Very Persistent, Very Bioaccumulative:	No	
Notes:	N/A	
	13. Disposal Considerations	

14. Transportation Data		
Hazardous:	Not hazardous for transportation.	
Hazard Class: Packing	N/A	
Group:	N/A	
UN Number:	N/A	
Proper Shipping Name:	N/A	

16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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