

XI'AN FUNCTION MATERIAL GROUP CO., LTD

Material Safety Data Sheet Germanium Sulfide

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1. Product and Company Identification

Trade Name: Germanium Sulfide

Chemical Formula: GeS2

Manufacturer/Supplier: XI'AN FUNCTION MATERIAL GROUP CO., LTD

Street: No. 69, Gazelle Valley, High-Tech Zone

City: XI'AN
State: Shaanxi
Zip Code: 710077
Country: China

Tel #: +86-29-88993870/+86-13519132051

2. Hazards Identification

Signal Word: Warning

Precautionary Statements:



Hazard Statements: H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation. P261 Avoid breathing dust/fume/vapor

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

protection

P301+P312: IF SWALLOWED: call a POISON CENTER or

doctor/physician IF you feel unwell.

P302+P352: IF ON SKIN: wash with plenty of soap and water.

P304+P340: IF INHALED: Remove victim to fresh air and Keep at rest

in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P332+P313: IF SKIN irritation occurs: Get medical advice/attention.

HMIS Health Ratings (0-4):

Health: 1
Flammability: 1
Physical: 0

2.0		
3. Composition		
Chemical Family: Additional Names:	Ceramic Germanium (IV) sulfide, Germanium disulfide	
Germanium Sulfide (GeS ₂):		
Percentage:	100 wt%	
CAS #:	12025-34-2	
EC #:	234-705-1	
	4. First Aid Procedures	
General Treatment:	Seek medical attention if symptoms persist.	
Special Treatment:	None	
Important Symptoms:	None	
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult. Seek immediate medical attention.	
Ingestion:	Never induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention.	
Skin:	Wash affected area with mild soap and water. Remove any	
E.	contaminated clothing. Seek immediate medical attention.	
Eyes:	Flush eyes with water, blinking often for several minutes. Remove	
	contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention.	
	5. Firefighting Measures	
Flammability:	N/A	
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	
	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.	
Environmental Precautions:	Take care not to raise dust. Isolate runoff to prevent environmental pollution.	
Environmental Flecautions.	isolate fulloff 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 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.	
	unconoid mint.	

Permissible Exposure Limits: Threshold Limit Value: N/A Special Equipment: Respiratory Protection: Protective Gloves: Eye Protection: Body Protection: Power of Protective work clothing. Wear close-toed shoes and long sleeves/pants. 9. Physical and Chemical Characteristics Color Power, Granules, Pellets, Sputtering target, Custom parts N/A Water Solubility: Insoluble Boiling Point: N/A Mething Point: N/A Autoignition Temperature: N/A Density: 2.94 g/cc Molecular weight: 10. Reactivity Stability: Stability: Reacts With: Oxidizing agents Heat, Hame, spurks, other ignition sources Germanium oxides, Sulfur oxides 11. Toxicological Information Potential Health Effects: Eyes: May cause irritation Infastation: May cause irritation Ingestion: May cause irritation N/A Aggravated Medical Conditions: N/A N/A Median Lethal Dose: N/A Aquatic Toxicity: N/A Persistent Bioaccumulation Toxicity: N/A Persistent Bioaccumulation Toxicity: N/A	8. Expo	sure Controls and Personal Protection
Threshold Limit Value: Special Equipment: Respiratory Protection: Dust Respirator Protective Gloves: Rubber gloves Safety glasses or goggles Eye Protection: Protection: Protective work clothing. Wear close-toed shoes and long sleeves/pants. Special and Chemical Characteristics	Permissible Exposure Limits:	N/A
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13. Disposal Considerations		13 Disposal Considerations

Dispose of in accordance with local, state, national, and international regulations.

Hazardous:	Not hazardous for transportation.	
Hazard Class:	N/A	
Packing Group:	N/A	
UN Number:	N/A	
Proper Shipping Name:	N/A	
	15. Regulatory Information	
Sec 302 Extremely Hazardous:	N/A	
Sec 304 Reportable Quantities:	N/A	
Sec 313 Toxic Chemicals:	N/A	

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.

Document Last Revised: 11/14/2019