

XI'AN FUNCTION MATERIAL GROUP CO., LTD

Material Safety Data Sheet Copper germanide

1. Product and Company Identification

Trade Name: Copper germanide

Chemical Formula: CuGe

Recommended Use: Scientific research and development

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

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

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

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

2. Hazards Identification

Signal Word: None Hazard Statements: None Precautionary Statements: None

HMIS Health Ratings (0-4):

Health: 0
Flammability: 0
Physical: 0

3. Composition

Chemical Family: Alloy Additional Names: None

Copper germanide (CuGe):

Percentage: 100 wt% CAS #: NIL EC #: NIL

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.

Ingestion: Seek Medical Attention.

Skin: Wash affected area with mild soap and water. Remove any

contaminated clothing.

Eyes: Flush eyes with water, blinking often for several minutes. Remove

contact lenses if present and easy to do. Continue rinsing

	5 Fireficial Managera
	5. Firefighting Measures
Flammability:	Non-flammable, except as powder
Extinguishing Media:	Do not use water for metal fires - use CO ₂ , sand, extinguishing powder
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.
	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
Work/Hygienic Maintenance:	materials and conditions listed in section 10. Do not use tobacco or food in work area. Wash thoroughly before
work/frygleme Mannenance.	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.	Exposure Controls and Personal Protection
Permissible Exposure Limits:	1 mg/m ³ as Cu dusts and mists, Time weighted average
Threshold Limit Value:	0.1 mg/m ³ as Cu fume, Time weighted average 1 mg/m ³ as Cu dusts and mists, long-term value
Threshold Ellint value.	0.2 mg/m ³ as Cu fume, long-term value
Special Equipment:	None
Respiratory Protection:	Dust Respirator Not required
Protective Gloves:	Rubber gloves Not required
Eye Protection:	Safety glasses or goggles
Body Protection:	Protective work clothing. Wear close-toed shoes and long sleeves/pants.
	9. Physical and Chemical Characteristics
Color	Dark grey
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts
Odor: Water Solubility:	Odorless Insoluble
Boiling Point:	N/A
Melting Point:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Density: Molecular weight:	N/A N/A
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10. Reactivity		
Stability:	Stable under recommended storage conditions	
Reacts With:	Oxidizing agents	
Incompatible Conditions:	None	
Hazardous Decomposition Products:	Metal oxide fume	
1	11. Toxicological Information	
Potential Health Effects:		
Eyes:	May cause irritation	
Skin:	May cause irritation	
Ingestion:	May cause irritation	
Inhalation:	May cause irritation	
Chronic:	Copper compounds may be irritating to the skin, eyes and respiratory	
	tract. They may cause metal fume fever, hemolysis of the red blood	
	cells and injury to the liver, lungs, kidneys, and pancreas. Ingestion	
	may also cause vomiting, gastric pain, dizziness, anemia, cramps,	
	convulsions, shock, coma, and death.	
	Germanium compounds generally have a low order of toxicity. The anion and compound reactivity may contribute the greater part of the	
	toxicity.	
	toxicity.	
Signs & Symptoms:	N/A	
Aggravated 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		
Notes:	N/A	
	13. Disposal Considerations	
Dispose of in accordance with local, state, n	ational, and international regulations.	
	14. Transportation Data	
Hazardous:	Not hazardous for transportation.	
Hazard Class:	N/A	
Packing Group:	N/A	
UN Number:	N/A	
Proper Shipping Name:	N/A	

Sec 302 Extremely Hazardous: Sec 304 Reportable Quantities: Sec 313 Toxic Chemicals:

N/A
15. Regulatory Information
No
N/A
Vac

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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