

XI'AN FUNCTION MATERIAL GROUP CO., LTD

Safety Data Sheet Cerium (III) bromide

1. Product and Company Identification

Trade Name: Cerium (III) bromide

Chemical Formula: CeBr₃

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: Shaanxi
Zip Code: 710077
Country: China

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

2. Hazards Identification

Signal Word: Warning



Hazard Statements: H315: Causes skin irritation

H319: Causes serious eye irritation H335: May cause respiratory irritation

Precautionary Statements:

P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264: Wash skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

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

P312: Call a POISON CENTER or doctor/physician if you feel unwell. P332 + P313: If skin irritation occurs: Get medical advice/ attention. P337 + P313: If eye irritation persists: Get medical advice/ attention.

P362: Take off contaminated clothing and wash before reuse.

P403 + P233: Store in a well-ventilated place. Keep container tightly

closed.

P405: Store locked up.

P501: Dispose of contents/ container to an approved waste disposal

plant.

HMIS Health Ratings (0-4):

Health: 2 Flammability: 1 Physical: 1

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easures
ions – use suitable extinguishing agentfor
rial and type of fire.
contained breathing apparatus with full protective
t contact with skin and eyes. See section 10 for
oducts.
e Measures
respiratory and protective equipment specified in
information. Keep unprotected persons away. Isolate
ride ventilation. Vacuum up spill using a high
ate absolute (HEPA) air filter and place in a closed
osal. Take care not to raise dust.
revent environmental pollution.
Storage
h skin and eyes. Handle under dry protective gas.
after handling.
place in a tightly sealed container. Store under dry
ray from water/moisture, acids, oxidizing agents. This
copic. Protect from humidity and water. This product
e sensitive. Store apart from materials and conditions
).
o or food in work area. Wash thoroughly before
g. Do not blow dust off clothing or skin with
5. 25 not of a dust off crothing of skill with
ventilation to maintain concentration at or below
rentilition to maintain concentration at or oclow

8. Exposure Controls and Personal Protection

Permissible Exposure Limits: N/A
Threshold Limit Value: N/A

Special Equipment: Properly operating chemical fume hood designed for hazardous

chemicals and having an average face velocity of at least 100 feetper

minute.

Respiratory Protection: Dust Respirator

Protective Gloves: Nitrile rubber gloves with minimum thickness of 0.11 mm

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 White to pale grey

Form: Powder, Granules, Pellets, Sputtering target, Custom parts

Odor: **Odorless** Water Solubility: Soluble **Boiling Point:** 1.560 °C Melting Point: 733 °C Flash Point: N/A **Autoignition Temperature:** N/A Density: 5.18 g/cc Molecular weight: 379.83 g/mol

10. Reactivity

Stability: Stable under recommended storage conditions Reacts With: Oxidizing agents, water/moisture, acids

Incompatible Conditions: Air, water/moisture

Hazardous Decomposition Products: Metal oxide fume, hydrogen bromide, cerium oxides

11. Toxicological Information

Potential Health Effects:

Eyes: Causes serious eye irritation
Skin: Causes skin irritation
Ingestion: May cause irritation

Inhalation: May cause respiratory irritation

Chronic: N/A

Signs & Symptoms: N/A
Aggravated Medical Conditions: N/A

Median Lethal Dose: N/A

Carcinogen: IARC: No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed human

carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by

VCCIH

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by

NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by

OSHA.

	12. Ecological Information
Aquatic Toxicity:	N/A
Persistent Bioaccumulation Toxicity:	N/A
Very Persistent, Very Bioaccumulative:	N/A
Notes:	Do not allow undiluted product or large quantities to reach ground
	water, water course or sewage system.
	Avoid transfer into the environment.
	13. Disposal Considerations
Dispose of in accordance with local, state	, national, and international regulations.
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Hazardous: Hazard Class: Packing Group:	14. Transportation Data Not hazardous for transportation.
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Hazardous: Hazard Class: Packing Group: UN Number:	14. Transportation Data Not hazardous for transportation. N/A N/A N/A N/A
Hazardous: Hazard Class: Packing Group: UN Number: Proper Shipping Name:	14. Transportation Data Not hazardous for transportation. N/A N/A N/A N/A N/A
Dispose of in accordance with local, state Hazardous: Hazard Class: Packing Group: UN Number: Proper Shipping Name: Sec 302 Extremely Hazardous: Sec 304 Reportable Quantities:	14. Transportation Data Not hazardous for transportation. N/A N/A N/A N/A N/A 15. Regulatory 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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