

LTS Research Laboratories, Inc. Safety Data Sheet Titanium Bromide

1. Product and Company Identification

Trade Name: Titanium Bromide

Chemical Formula: TiBr₄

Recommended Use: Scientific research and development

Manufacturer/Supplier: LTS Research Laboratories, Inc.

Street: 37 Ramland Road
City: Orangeburg
State: New York
Zip Code: 10962
Country: USA

Tel #: 855-587-2436 / 855-lts-chem

24-Hour Emergency Contact: 800-424-9300 (US & Canada)

+1-703-527-3887 (International)

2. Hazards Identification

Signal Word: Danger



Hazard Statements: H314: Causes severe skin burns and eye damage

Precautionary Statements: P260: Do not breathe dust/fume/gas/mist/vapors/spray

P264: Wash face, hands, and any exposed skin thoroughly after

handling

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

protection

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce

vomiting

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off

immediately all contaminated clothing. Rinse skin with water/shower P304+P340+P310: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a

POISON CENTER or doctor/physician

P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or

doctor/physician

P363: Wash contaminated clothing before reuse

P405: Store locked up

P501: Dispose of contents/container in accordance with

local/regional/national/international regulations

HMIS Health Ratings (0-4):

Health: 3
Flammability: 0
Physical: 0

3. Composition	
Titanium Br (TiBr ₄):	
Percentage:	100 wt%
CAS #: EC #:	7789-68-6 232-185-0
	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. Immediate medical attention required.
Ingestion:	Give one to two glasses of water and induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person.
Skin:	Immediate medical attention required. Wash affected area with mild soap and water. Remove any
Eyes:	contaminated clothing. Immediate medical attention required. Flush eyes with water, blinking often for several minutes. Remove
2,00.	contact lenses if present and easy to do. Continue rinsing. Immediate medical attention required.
	5. Firefighting Measures
Flammability:	Non-flammable postories, Inc.
Extinguishing Media:	Use dry powder, carbon dioxide, dry chemical, or chemical foam.
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. Do not breathe dust. Do not get into
Storage Conditions:	eyes, on skin, or on clothing. Use personal protective equipment. 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
	eating and smoking. Do not blow dust off clothing or skin with compressed air. Avoid dust formation.
Ventilation:	Provide sufficient ventilation to maintain concentration at or below threshold limit.

8. Exposure Controls and Personal Protection

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

Special Equipment: None

Respiratory Protection: **Dust Respirator** Protective Gloves: Rubber gloves

Eve Protection: Safety glasses or goggles

Body Protection: Protective work clothing. Wear close-toed shoes and long

sleeves/pants.

9. Physical and Chemical Characteristics

Color Orange

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

Odor: Odorless Water Solubility: Insoluble **Boiling Point:** 230°C Melting Point: 39°C Flash Point: N/A Autoignition Temperature: N/A Density: 3.25 g/cc Molecular weight: 367.48 g/mol

10. Reactivity

Reacts violently with water. Stable under recommended storage Stability:

conditions

Strong bases, Strong oxidizing agents, Water Reacts With:

Incompatible Conditions: Exposure to moisture/water.

Hydrogen bromide gas, Titanium oxides Hazardous Decomposition Products:

11. Toxicological Information

Potential Health Effects:

Eyes: Causes eye damage Skin: Causes severe skin burns Ingestion: May cause irritation Inhalation: May cause irritation

Chronic: N/A

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

Median Lethal Dose: N/A

N/A Carcinogen:

12. Ecological Information

Aquatic Toxicity: N/A Persistent Bioaccumulation Toxicity: N/A Very Persistent, Very Bioaccumulative: N/A

Notes: Do not empty into drains

13. Disposal Considerations

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

14. Transportation Data

Hazardous: Hazardous for transportation



Hazard Class: 8 Corrosives

Packing Group: II

UN Number: UN3260

Proper Shipping Name: Corrosive solid, acidic, inorganic, n.o.s. (Titanium Bromide)

15. Regulatory Information

Sec 302 Extremely Hazardous: N/A
Sec 304 Reportable Quantities: N/A
Sec 313 Toxic Chemicals: 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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