

# LTS Research Laboratories, Inc. Safety Data Sheet Titanium Braze Alloy

### 1. Product and Company Identification

Trade Name: Titanium Braze Alloy

Chemical Formula: Ti-Ni-Zr-Cu

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: H317: May cause an allergic skin reaction.

H351: Suspected of causing cancer.

H372: Causes damage to organs through prolonged or repeated

exposure.

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

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

Protection.

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: 1
Flammability: 0
Physical: 0

# 3. Composition

Chemical Family: Alloy

Additional Names: TiBraze200, Titanium brazing alloy

Titanium Braze Alloy (Ti-Ni-Cu-Zr):

Percentage: 0-100 wt% CAS #: N/A EC #: N/A

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. Firefighting Measures

Flammability: Non-flammable, except as powder

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.

Take care not to raise dust. Evacuate unprotected personnel.

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

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. Exposure Controls and Personal Protection

Permissible Exposure Limits: 0.1 mg/m<sup>3</sup> as Cu, long-term value

Threshold Limit Value: 0.2 mg/m<sup>3</sup> as Cu, long-term value

Special Equipment: None

Respiratory Protection:
Protective Gloves:
Eye Protection:
Dust Respirator
Nitrile rubber gloves
Safety glasses or goggles

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

sleeves/pants.

#### 9. Physical and Chemical Characteristics Color Metallic grey Form: Powder, Granules, Pellets, Sputtering target, Custom parts Odor: Odorless Water Solubility: N/A **Boiling Point:** N/A **Melting Point:** N/A Flash Point: N/A Autoignition Temperature: N/A Density: N/A Molecular weight: N/A 10. Reactivity Stability: Stable under recommended storage conditions Reacts With: Oxidizing agents, Mineral acids **Incompatible Conditions:** None Hazardous Decomposition Products: Metal oxide fume 11. Toxicological Information Potential Health Effects: Eves: May cause irritation Skin: May cause irritation Ingestion: May cause irritation Inhalation: May cause irritation Chronic: N/A N/A Signs & Symptoms: **Aggravated Medical Conditions:** N/A Median Lethal Dose: >5000 mg/kg for rat by mouth Carcinogen: IARC-2B: Possibly carcinogenic to humans: limited evidence in human in the absence of sufficient evidence in experimental animals. NTP-R: Reasonably anticipated to be a carcinogen, limited evidence of carcinogenicity from epidemiologic studies. ACGIH A5: Not suspected as a human carcinogen: Not suspected as a human carcinogen on the basis of properly conducted epidemiologic studies in humans. Studies have sufficiently long follow-up, reliable exposure histories, sufficiently high dost, and adequate statistical power to conclude that exposure to the agent does not convey a significant risk of cancer to humans. Evidence suggesting a lack of carcinogenicity in experimental animals will be considered if it is supported by other relevant data. 12. Ecological Information Aquatic Toxicity: N/A Persistent Bioaccumulation Toxicity: N/A Very Persistent, Very Bioaccumulative: N/A Notes: N/A

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.

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