

LTS Research Laboratories, Inc. Safety Data Sheet Tris(dimethylamino)borane

1. Product and Company Identification

Trade Name: Tris(dimethylamino)borane

Chemical Formula: $B(N(CH_3)_2)_3$

Recommended Use: Scientific research and development

Manufacturer/Supplier: LTS Research Laboratories, Inc.

Street: 2001 Oaks Pkwy

City: Belmont State: North Carolina

Zip Code: 28012 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: H225: Highly flammable liquid and vapor

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

Precautionary Statements: P210: Keep away from heat/ sparks/ open flames/ hot surfaces. No

smoking

P233: Keep container tightly closed

P240: Ground/bond container and receiving equipment

P241: Use explosion-proof electrical/ventilating/lighting/equipment

P242: Use only non-sparking tools

P243: Take precautionary measures against static discharge

P261: Avoid breathing mist or vapors

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

handling

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

P280: Wear protective gloves/ eye protection/ face protection

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all

contaminated clothing. Rinse skin with water/ shower

P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell

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

Continue rinsing

 $P332 + P313: If \ skin \ irritation \ occurs: Get \ medical \ advice/ \ attention$

P337 + P313: If eye irritation persists: Get medical advice/ attention

P362: Take off contaminated clothing and wash before reuse

P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-

Resistant foam to extinguish

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

closed

P403 + P235: Store in a well-ventilated place. Keep cool

P405: Store locked up

P501: Dispose of contents/container in accordance with

local/regional/national/international regulations

HMIS Health Ratings (0-4):

Health: N/A Flammability: N/A Physical: N/A

3. Composition

Chemical Family: Organometallic

Additional Names: None

Tris(dimethylamino)borane $(B(N(CH_3)_2)_3)$

Percentage: 100 wt% CAS #: 4375-83-1 EC #: 224-474-5

4. First Aid Procedures

General Treatment: Seek medical attention if symptoms persist.

None

Special Treatment:

N/A Important Symptoms:

Research boratorias, Inc.

Remove victim to fresh air. Supply oxygen if breathing is difficult. Inhalation:

Seek medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical

attention.

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

contaminated clothing. Seek medical attention.

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

contact lenses if present and easy to do. Continue rinsing. Seek medical

attention.

5. Firefighting Measures

Flammability: Flammable

Extinguishing Media: No special restrictions – use suitable extinguishing agent for

surrounding material and type of fire.

Use full-face, self-contained breathing apparatus with full protective Spec. Fire Fighting Procedure:

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.

Store in a cool dry place in a tightly sealed container. Store apart from **Storage Conditions:**

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: N/A Threshold Limit Value: N/A

Special Equipment: None

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

Check gloves prior to each use

Safety glasses or goggles Eye Protection:

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

sleeves/pants.

9. Physical and Chemical Characteristics

Color Grey

Liquid, Custom parts Form:

N/A Odor:

Redearch Water Solubility: N/A

Boiling Point: 147 - 148 °C -16 °C Melting Point:

-21 °C Flash Point:

Autoignition Temperature: N/A

 0.817 g/cm^3 Density: 143.04 g/mol Molecular weight:

10. Reactivity

Stability: Stable under recommended storage conditions

Reacts With: Oxidizing agents Warming **Incompatible Conditions:**

Hazardous Decomposition Products: Metal oxide fume

11. Toxicological Information

Potential Health Effects:

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

Chronic: N/A

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

Median Lethal Dose: N/A

Carcinogen: N/A

	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.

14. Transportation Data

Hazardous: Hazardous for transportation.



Hazard Class: 3 Flammable Liquid

Packing Group: II UN Number: UN1993

Proper Shipping Name: Flammable liquids, n.o.s. (tris(dimethylamino)borane)

Sec 302 Extremely Hazardous: No

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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