

SAFETY DATA SHEET

SDS DATE: December 17, 2020



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DTBA
PRODUCT CODES: Cat# B3242-1000, -500
RESTRICTIONS ON USE: For laboratory research purposes. Not for drug or household use.
MANUFACTURER: BioVision, Inc.
ADDRESS: 155 S. Milpitas Boulevard, Milpitas, CA 95035
EMERGENCY PHONE: 858-373-8066
OTHER CALLS: 408-493-1800
FAX PHONE: 408-493-1801

SECTION 2: HAZARDS IDENTIFICATION

Product Name/Chemical Name	Description	Volume	Safety Information
DTBA	Solid	B3242-1000: 1 mg B3242-500: 500 mg	See below

DTBA:

Emergency Overview:

GHS Classification

Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

GHS Label elements, including precautionary statements



Pictogram:

Signal word:

Hazard statement(s):

Warning
H302: Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
Precautionary statement(s): P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
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.
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 Classification

Health hazard:

Flammability:

Physical hazards:

NFPA Rating

Health Hazard:

Fire:

Reactivity Hazard:

Potential health hazard:

Inhalation: May be harmful by inhalation. Material may be irritating to the mucous membranes and upper respiratory tract.

Skin: Harmful if absorbed through skin. May cause skin irritation.

Eyes: Cause eye irritation.

Ingestion: Harmful if swallowed.

Very toxic to aquatic life with long lasting effects

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To the best of our knowledge, the toxicological properties have not been thoroughly investigated.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	EC-No.	Molecular Weight	Chemical Formula	Concentration
DTBA	1363376-98-0	--	173.73	C ₄ H ₁₁ NS ₂ ·HCl	100%

SECTION 4: FIRST AID MEASURES

General advice: Consult a doctor and show this safety data sheet.

If inhaled: Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor

In case of skin contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of eye contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel

If swallowed: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen chloride gas

Special protective equipment for fire fighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure

Conditions for safe storage: -20°C. Protect from moisture

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Exposure Controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Engineering controls (Ventilation etc.)

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Work/Maintenance Practices

Do not take internally. Facilities storing or utilizing this material should be equipped with an eye wash and a safety shower.

Wash thoroughly after handling

Control of environmental exposure

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Do not let product enter drains.

Hygiene measures

General industrial hygiene practice.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	DTBA
Appearance and Odor:	White to off-white solid
pH:	No data available
Water Solubility:	Soluble
Other Solubility:	No data available
Boiling Point (°C):	No data available
Melting Point (°C):	210 - 225 °C (410 - 437 °F)
Flash Point (°C):	No data available
Ignition Temperature (°C):	No data available
Density:	No data available
Flammability (solid, gas)	No data available
Explosive limits	LEL: No data UEL: No data
Vapor pressure (vs. Air or mmHg)	No data available
Vapor Density (vs. Air = 1)	No data available
Specific Gravity (Water = 1)	No data available
Octanol/Water Partition	No data available
Decomposition Temperature	No data available
Viscosity	No data available

SECTION 10: STABILITY AND REACTIVITY

Property	DTBA
Reactivity	No data available
Chemical stability	Stable under recommended storage conditions
Polymerization	No data available
Conditions to avoid:	No data available
Materials to avoid:	strong oxidizing agents
Hazardous decomposition products:	Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas

SECTION 11: TOXICOLOGICAL INFORMATION

DTBA:

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity:

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 ACGIH.

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.

Reproductive toxicity: No data available

Teratogenicity: No data available

Specific target organ toxicity – single exposure (GHS): Inhalation - May cause respiratory irritation

Specific target organ toxicity – repeated exposure (GHS): No data available

Aspiration hazard: No data available

Additional Information: RTECS: Not available

Potential Health Effects

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

SECTION 12: ECOLOGICAL INFORMATION

DTBA:

Persistence and degradability: No data available

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Toxicity: No data available

Bio accumulative potential: No data available

Mobility in soil: No data available

PBT and vPvB assessment: No data available

Other adverse effects: No data available



SECTION 13: DISPOSAL CONSIDERATIONS

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product

SECTION 14: TRANSPORT INFORMATION

DTBA:

Land transport (DOT (US): Not dangerous goods.

Land transport (European ADR/RID): Not dangerous goods.

Air transport(ICAP/IATA): Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

SECTION 15: REGULATORY INFORMATION

DTBA:

SARA 302 Components: SARA 302: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313.

SARA 311/312 Hazards: DTBA: Acute Health Hazard

Massachusetts Right To Know Components: No data available.

Pennsylvania Right To Know Components: DTBA: CAS-No. 1363376-98-0 Revision Date

New Jersey Right To Know Components: DTBA: CAS-No. 1363376-98-0 Revision Date

California Prop. 65 Components: No data available.

SECTION 16: OTHER INFORMATION

DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.