

SAFETY DATA SHEET

NITROBLUE TETRAZOLIUM CHLORIDE

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 905-466-3832
Chemical Name: Nitroblue tetrazolium chloride
Synonym: NBT
Catalog Number: NBT001

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity: Category 4

PICTOGRAM:



SIGNAL WORD: WARNING

HAZARD STATEMENTS:
H302- Harmful if swallowed

PRECAUTIONARY STATEMENTS:

P264 Wash contaminated skin thoroughly after handling
P270-Do not eat, drink or smoke when using this product
P301+P312- IF SWALLOWED: call a POISON CENTER/doctor if you feel unwell.
P330- Rinse mouth
P501-Dispose of contents/container in accordance with national regulations.

Potential Health Effects:

Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through skin
Eyes: May cause eye irritation
Ingestion: Harmful if swallowed

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Nitroblue tetrazolium	206-067-4	>99

Molecular formula: C40H30Cl2N10O6
Molecular weight: 817.64 g/mol

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water . Consult a physician.
Skin: In case of contact, flush area immediately with water. Get medical aid if irritation persists.
Inhalation: Remove victim to fresh air. If breathing becomes difficult, give oxygen. Consult a physician..
Ingestion: Wash mouth with water. Do NOT induce vomiting. Consult a physician if you feel unwell.

SECTION 5 FIRE FIGHTING MEASURES

Flammability: not flammable
Flash Point: 113C-closed cup
Autoignition Temperature: not determined
Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.
Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions:
Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.
Methods for containment and clean up:
If safe to do so, contain further leakage. Sweep and place in a closed container. Dispose according to local regulations.

SECTION 7 HANDLING AND STORAGE

Handling: Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.
Storage Conditions: Room temperature. Keep cool and dry.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
ACGIH, NIOSH, OSHA, none listed
Use adequate ventilation. Avoid dust generation..
Personal protective Equipment: Wear appropriate safety glasses and protective gloves/clothing. Use approved NIOSH respirator.
Engineering Measures: eye wash stations, ventilation systems, showers
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. wash hands before and after handling product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to yellow powder
Odor: no information found
Odor Threshold: : no information found
Melting Point: 189C
Boiling Point: no information found
Specific Gravity: no information found
Vapor Density: no information found
Vapor pressure: no information found
Water Solubility: soluble in ethanol, methanol
pH: no information found
Flammability: No

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Flash point: no information found
Ignition temperature: no information found
Autoignition temperature: no information found
Lower explosion limit: no information found
Upper explosion limit: no information found

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Date Prepared: Dec 29/2021
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The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.
Observe all federal, provincial and state laws concerning health, safety and pollution.

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure
Conditions to avoid: dust generation
Incompatibility strong oxidizing agents, reducing agents.
Hazardous Decomposition Products: fumes of carbon monoxide, carbon dioxide and hydrogen chloride.
Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50/LC50:
Oral LD50-rat-2000mg/kg

Epidemiology: No data available
Teratogenicity: No data available
Reproductive Effects: No data available
Neurotoxicity: No data available
Mutagenicity: No data available
Carcinogenicity: not listed by ACGIH, IARC, NTP, or CA

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:
No information found

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Care should be exercised when burning in chemical incinerator.. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

DOT (US):
Not regulated
IMDG
Not regulated
IATA:
Not regulated

SECTION 15 REGULATORY INFORMATION

Canada
WHMIS:
Toxic material causing immediate and serious toxic effects- Toxic by ingestion.

SECTION 16 ADDITIONAL INFORMATION