

SAFETY DATA SHEET

TETRAZOLIUM RED

(2,3,5-TRIPHENYL-2H-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: 2,3,5-TRIPHENYL-2H-TETRAZOLIUM CHLORIDE
Catalog Number: TPT001

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:
Not hazardous according to GHS

Eyes: May cause irritation..

Skin: May causes irritation.

Inhalation: May cause irritation to respiratory tract. The toxicological properties of this product have not been fully investigated.

Ingestion: may cause irritation to GI tract if swallowed. The toxicological properties of this product have not been fully investigated.

CHRONIC HEALTH HAZARDS: no information

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
TETRAZOLIUM RED	298-96-4	98%

Molecular Formula: C₁₉H₁₅N₄Cl

Molecular Weight: 334.80

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water . Get medical aid immediately.

Skin: In case of contact, flush area immediately with water. Get medical aid if irritation persists.

Inhalation: Remove victim to fresh air. Get medical aid if irritation, coughing persists.

Ingestion: Wash mouth with water. DO NOT INDUCE VOMITING. Get medical aid if any symptoms appear.

SECTION 5 FIRE FIGHTING MEASURES

Flammable: No

Flash Point: N/A

Autoignition Temperature: N/A

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

ACGIH, NIOSH, OSHA, none listed

Use adequate ventilation. Avoid dust generation..

Wear appropriate protective equipment to prevent eye and skin exposure.

Wear appropriate respirator to prevent lung irritation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Appearance and Odor: white to yellow

Melting Point: 245C

Boiling Point decomposes

Specific Gravity: N/A

Vapor Density: 11.5

Water Solubility: yes

pH: N/A

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure

Conditions to avoid: dust generation

Incompatibility strong oxidizing agents. Strong acids

Hazardous Decomposition Products: carbon dioxide, carbon monoxide and nitrogen oxides.

Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

None available

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

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SECTION 12 ECOLOGICAL INFORMATION

No information found.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

Shipping Information: Not regulated

SECTION 15 REGULATORY INFORMATION

US : TSCA: not listed

European/International: irritating to eyes, respiratory system and skin.

Canada: WHMIS: not controlled

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

Phone: (800) 234-1179

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.