

SAFETY DATA SHEET

OCTOXYNOL X-100

(polyethylene glycol *tert* octylphenyl ether)

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: polyethylene glycol *tert* octylphenyl ether
Synonym: Octoxynol
Catalog Number: TRX506, TRX777

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification

CLASSIFICATION:

Acute toxicity, oral (Category 4)
Skin irritant: Category 2
Eye irritant, Category 2
Acute toxicity: Category 4

PICTOGRAM:



SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H302- Harmful if swallowed
H315- Causes skin irritation
H319- Causes serious eye irritation

PRECAUTIONARY STATEMENTS:

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 water.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

Potential Health Effects:

Inhalation: may be harmful if inhaled.
Skin: may be harmful if absorbed through skin
Eyes: Causes eye irritation
Ingestion: harmful if swallowed

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	EC-No.	%
Octoxynol	9002-93-1	N/A	100

Molecular Formula: C₁₄H₂₂O₂.(C₂H₄O)_N
Molecular Weight: 647 (avg)

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: not available
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.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid
Odor: no odor
Odor Threshold: : no information found
Melting Point: no information found
Boiling Point: 270C
Specific Gravity: no information found
Density: 6C
Vapor Density: 22.31
Vapor pressure: no information found
Water Solubility: soluble in water
pH: 6-8
Flammability: No
Flash point: 113C-closed cup
Ignition temperature: no information found
Autoignition temperature: no information found
Lower explosion limit: no information found
Upper explosion limit: no information found

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.
Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:
Oral-rat: LD50: 1800mg/kg.
Draize test rabbit, eye 10ul/24hr.-moderate

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 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:
D2B, Toxic material Causing Other Toxic Effects
Moderate eye irritant

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz
Date Prepared: Jan 10/2025
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.