

SAFETY DATA SHEET

PHENOL, CHLOROFORM , ISOAMYL ALCOHOL MIXTURE

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: CANUTEC 1-613-996-6666
Chemical Name: phenol, chloroform, isoamyl alcohol mixture
Catalog Number: PHE512

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Acute toxicity, Oral (category 3)
Acute toxicity, Inhalation (category 3)
Acute toxicity, Dermal (category 3)
Skin corrosion (category 1B)
Skin corrosion (category 1B)
Serious eye damage (category 1)
Germ cell mutagenicity (category 2)

Pictogram:



Signal word: Danger

Hazard statements

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H360 May damage fertility or the unborn child.
H373 May cause damage to organs (Nervous system, Kidney, Liver, Skin) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P260 Do not breathe dust or mist
P264 Wash skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P312+P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340+P310 IF INHALED: remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

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.

P308+P313 IF exposed or concerned: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
PHENOL	108-95-2	50
Chloroform	67-66-3	48
3-Methylbutan-1-ol	123-51-3	2

SECTION 4 FIRST AID MEASURES

Eyes: Immediately flush with plenty of water for at least 15 minutes. GET MEDICAL ATTENTION

Skin: Immediately flush area with soap and water. Remove contaminated clothing. GET MEDICAL ATTENTION.

Inhalation: GET MEDICAL ATTENTION IMMEDIATELY. Remove from exposure to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed wash mouth out with water if person is conscious. GET MEDICAL ATTENTION. CALL POISON CENTER> Do Not induce vomiting.

SECTION 5 FIRE FIGHTING MEASURES

General Information: Use full protective gear. Combustion generates toxic fumes. Combustible solid. Containers may explode when heated.

Flammable: No

Flash Point: No data available

Autoignition Temperature: No data available

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

Explosion Data

Limits :

No data available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with vermiculite, or sand. 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. Keep away from ignition sources and heat. Protect from light.

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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

PHENOL

ACGIH: 5ppm: skin

NIOSH: 5 ppm TWA; 19mg/m3 250 ppm IDLH

OSHA: 5 ppm TWA; 19 mg/m3 TWA

CHLOROFORM:

ACGIH, Canada: TWA 5ppm

ISOAMYL ALCOHOL:

TWA 100ppm

Use adequate ventilation. AVOID IGNITION SOURCES.

Wear appropriate protective equipment to prevent eye and skin exposure.

Wear appropriate respirator to prevent lung irritation.

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid

Appearance/odor: clear to yellow

pH: 6.0-8.0

Vapor density: no data available

Vapor pressure: no data available

Viscosity: no data available

Freezing /Melting pt.: no data available

Boiling pt.: no data available

Decomposition temp: no data available

Solubility: no data available.

Specific Gravity: 1.23

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure.

Conditions to avoid: IGNITION SOURCES, High temperatures.

Incompatibility: Strong oxidizing agents and reducing agents

Hazardous Decomposition Products: carbon monoxide, carbon dioxide,

Hazardous Polymerization: has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:

Toxicity Data:

No data 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 OSHA

SECTION 12 ECOLOGICAL INFORMATION

Fish: Fathead minnow: LC50 >50mg/l.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal. Observe all Federal, provincial and local regulations. Discard as hazardous waste.

SECTION 14 TRANSPORT INFORMATION

Shipping Information: REGULATED

DOT (US)

UN number: 2810 Class: 6.1 Packing group: II

Proper shipping name: Toxic, liquids, organic, n.o.s. (Chloroform, 3-Methylbutan-1-ol, Phenol)

Reportable Quantity (RQ): 21 lbs

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

UN number: 2810 Class: 6.1 Packing group: II EMS-No: F-A, S-A

Proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (3-Methylbutan-1-ol, Phenol, Chloroform)

Marine pollutant: Marine pollutant

IATA

UN number: 2810 Class: 6.1 Packing group: II

Proper shipping name: Toxic liquid, organic, n.o.s. (3-Methylbutan-1-ol, Phenol, Chloroform)

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

European/International:

Canada: WHMIS: **E , D1A**

SECTION 16 ADDITIONAL INFORMATION

Hazard Rating System (estimated)

NFPA	Health	Fire	Reactivity
	4	2	0

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.

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