

SAFETY DATA SHEET

BRADFORD REAGENT

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: Bradford reagent
Catalog Number: BRA222

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Skin corrosion : Category 1)
Acute toxicity: Category 5
Skin corrosion: Category 1B
Serious eye damage: Category 1
Specific target organ toxicity-single exposure: Category 1

Pictogram:



Signal word: Danger

Hazard statement:

H290 May be corrosive to metals
H303 May be harmful if swallowed
H314 Causes severe skin burns and eye damage
H370 Causes damage to organs

Precautionary statements:

P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

Target Organs: None known.

Eyes: Causes eye burns.

Skin: Causes skin irritation. May cause burns.

Inhalation: Causes irritation. May cause burns.

Ingestion: Harmful if swallowed. May cause burns and vomiting.

CHRONIC HEALTH HAZARDS:

Corrosive. Harmful If swallowed. Causes severe eye and skin Irritation. May cause burns.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Phosphoric acid	7664-38-2	10
Methanol	67-56-1	4
Water:	7732-16-5	85.99
Coomassie Blue	6104-58-1	0.004

Molecular Formula: N/A

Molecular Weight: N/A

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. GET MEDICAL ATTENTION

Skin: In case of contact, flush area immediately with soap and water while removing contaminated clothing and shoes. Wash clothing before reuse. Discard contaminated clothing in a manner which limits further exposure. 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. > Do Not induce vomiting.

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. 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 dry lime or soda. 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. Minimize dust generation.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL

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PROTECTION

Exposure limits:
Phosphoric acid: TWA 1.000 mg/m3, STEL: 3.00 mg/m3
Methanol: TWA, 262 mg/m3, STEL: 328mg/m3
Use adequate ventilation..
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.

No data available.

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

DOT (US)

UN number: 1805 Class 8 Packing group: II
Proper shipping name: PHOSPHORIC ACID SOLUTION
REPORTABLE Quantity;
Marine pollutant: No
Poison Inhalation hazard: No

IMDG

UN number: 1805 Class 8 Packing group: II
Proper shipping name: PHOSPHORIC ACID SOLUTION

IATA

UN number: 1805 Class 8 Packing group: II
Proper shipping name: PHOSPHORIC ACID SOLUTION

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance and Odor: clear
Melting Point: N/A
Boiling Point: N/A
Specific Gravity: N/A
Vapor Density: N/A
Water Solubility: N/A
pH: N/A

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure
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Conditions to avoid: strong bases and powdered metals.
Incompatibility: Strong oxidizing agents and reducing agents
Hazardous Decomposition Products:, oxides of phosphorus, carbon dioxide,
Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50: No data available

Skin corrosion/irritation:

No data available

Serious eye damage/eye irritation:

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

Toxicity:

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed
European/International: N/A
Canada: WHMIS: D1B, E

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)
Date Prepared: Jan 1/2025
Phone: (800) 234-1179

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Observe all federal, provincial and state laws concerning health, safety and pollution.