

SAFETY DATA SHEET

MOPS

(3-[N-Morpholino]propanesulphonic acid)

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: MOPS
Synonym: (3-[N-Morpholino]propanesulphonic acid)
Catalog Number: MOP001/MOP005

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:
Not hazardous according to GHS

Potential Health Effects:
Eyes: may cause eye irritation
Skin: may cause skin irritation
Inhalation: may be harmful if inhaled
Ingestion: may be harmful if ingested

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	EC-No.	%
MOPS	1132-61-2	214-478-5	99

Molecular Formula: C7H15NO4S
Molecular Weight: 209.26

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with 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. Get medical aid if irritation persists.
Ingestion: Wash mouth with water. Get medical aid if any symptoms appear.

SECTION 5 FIRE FIGHTING MEASURES

Flammability: not flammable
Flash Point: not determined
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:

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

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 crystalline solid

Odor: no information found

Odor Threshold: : no information found

Melting Point: 277C

Boiling Point: no information found

Specific Gravity: no information found

Vapor Density: no information found

Vapor pressure: no information found

Water Solubility: 209g/L

pH: 2.5 - 4.0

Flammability: not flammable

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

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure

Conditions to avoid: dust generation

Incompatibility strong oxidizing agents.

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

Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

Oral, rat LD50=2000g/kg

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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

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:

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

SECTION 15 REGULATORY INFORMATION

US Federal regulations:
Listed on TSCA

SECTION 16 ADDITIONAL INFORMATION

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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.