

SAFETY DATA SHEET

SODIUM HYPOCHORITE SOLUTION

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: Sodium hypochlorite solution
Catalog Number: SYP001

Skin: Causes eye burns..
Inhalation: Causes burns to respiratory tract.
Ingestion: Causes burns to GI tract.
CHRONIC HEALTH HAZARDS: similar to acute effects.

SECTION 2 COMPOSITION/ INGREDIENTS

	CAS #		%
Sodium hypochlorite	7681-52-9	<=	10
Water:	7732-18-5	<=	90

Molecular Formula: N/A
Molecular Weight: N/A

SECTION 3 HAZARDS IDENTIFICATION

GHS Classification:
Skin corrosion (Category 1B)
Serious eye damage (Category 1)
Acute aquatic toxicity (Category 1)

Pictogram:



Signal word: Danger

Hazard Statement:

H314 Causes severe skin burns and eye damage
H400 Very toxic to aquatic life

Precautionary statements

P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
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.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Target Organs: Eyes, skin, mucous membranes.
Eyes: Causes skin burns

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.
Skin: Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes. Get medical aid immediately.
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and GET MEDICAL ATTENTION.
Ingestion: Do not induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY

SECTION 5 FIRE FIGHTING MEASURES

General Information: Wear self-contained breathing apparatus and full protective gear. Toxic gases may be generated.
Flammable/Combustible: 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. Keep containers sealed and upright to prevent leakage.
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. avoid inhalation of vapour or mist. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.
Storage Conditions: Room temperature. Do not store near acids. Do not allow product to get in contact with water.

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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed
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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid
Appearance and Odor: yellowish color.
Melting Point: N/A
Boiling Point: 111C
Specific Gravity: N/A
Vapor Density: 1.206 g/ml
Vapour pressure: 23.3 hPa
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.Reacts violently with ammonium salts, methanol.
Hazardous Decomposition Products: Hydrogen gas, sodium oxides.
Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

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

No data available.

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

US DOT:

Shipping name: HYPOCHLORITE SOLUTION
Hazard Class: 8
UN Number: UN1791
Packing Group:III

CANADA TDG:

Shipping name: HYPOCHLORITE SOLUTION
Hazard Class: 8
UN Number: 1791
Packing Group:III

SECTION 15 REGULATORY INFORMATION

Canada: WHMIS: Classification: E

SECTION 16 ADDITIONAL INFORMATION

Hazard Rating System (estimated)

NFPA	Health	Fire	Reactivity
3	3	0	0

Prepared By: M.Kierdelewicz (President)
Date Prepared: Jan 1/2025
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The information provided on this 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.