

# SAFETY DATA SHEET

## SAFE-T-STAIN

### 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:** Safe-T-Stain  
**Catalog Number:** ETB666

### SECTION 2 HAZARDS IDENTIFICATION

**GHS Classification:**  
**Not hazardous according to GHS**

#### Potential Health Effects

**Target Organs:** None known  
**Eyes:** May cause eye irritation.  
**Skin:** May cause skin irritation.  
**Inhalation:** may cause irritation.  
**Ingestion:** May be harmful if swallowed. May cause irritation of the digestive tract.  
**CHRONIC HEALTH HAZARDS:** Not available

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Water	7732-18-5	99
Safe T Stain	N/A	<1

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. If symptoms persist get medical attention.  
**Skin:** Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes. If symptoms persist get medical attention.  
**Inhalation:** Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. If symptoms persist get medical attention.  
**Ingestion:** Wash mouth with water. Do not induce vomiting. If symptoms persist get medical attention.

### SECTION 5 FIRE FIGHTING MEASURES

**General Information:** Always wear full protective gear in the event of a fire. Toxic gases and vapors may be generated by decomposition or combustion. Excessive dust in combination with air can create an explosive mixture.  
**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 PROTECTION

Exposure limits: none listed  
Use adequate ventilation. Avoid spills.  
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:** none required  
**Respiratory protection:** use OSHA/MSHA approved respirator.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid  
**Appearance and Odor:** Orange red to brown  
**Freezing/Melting Point:** N/A  
**Boiling Point:** N/A  
**Specific Gravity:** N/A  
**Vapor Density:** N/A  
**Solubility:** soluble in water  
**pH:** N/A  
**Molecular Formula:** N/A  
**Molecular Weight:** N/A

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable under normal temperatures and pressure  
**Conditions to avoid:** no special conditions to avoid  
**Incompatibility:** Strong oxidizing agents  
**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, carbon dioxide, oxides of chloride

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**Hazardous Polymerization:** Will not occur

<b>SECTION 16</b>	<b>ADDITIONAL INFORMATION</b>
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<b>SECTION 11</b>	<b>TOXICOLOGICAL PROPERTIES</b>
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**Exposure Limits:**

LD50 / LC50:

Safe-T-Stain LD50 oral, rat: >5000mg/kg

Tris : 5900 mg/ml, oral, rat

Boric acid: 22260 mg/kg , oral, rat

EDTA: N/A

**Epidemiology:** No data available

**Teratogenicity:** No data available

**Reproductive Effects:** No data available

**Neurotoxicity:** No data available

**Mutagenicity:**

Mutation Data:

Cell transformation, Syrian hamster embryo (SHE) cells, negative.

Forward gene mutation at the thymidine kinase (TK) locus, mouse lymphoma (L5178Y) cells, negative with and without activation.

Chromosomal aberrations in human peripheral blood lymphocytes: negative with and without metabolic activation.

Histidine reverse gene mutation, Ames assay Salmonella typhimurium (TA97a TA98, TA102, TA1538, positive with metabolic activation.

Histidine reverse gene mutation, Ames assay, Salmonella typhimurium (TA97a TA98, TA102, TA1538, negative without metabolic activation

Histidine reverse gene mutation, Ames assay, Salmonella typhimurium (TA100 TA98, TA1535, TA1537, negative without metabolic activation

**Carcinogenicity:** N/A

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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.

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants..

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATION</b>
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**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b>
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**Shipping Information:**

**DOT:**Not regulated

**IATA:** Not regulated

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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**US :** N/A

**European/International:**

S-phrase: None

R-Phrase: None

**Canada:** WHMIS:, not controlled