

# SAFETY DATA SHEET

## Polyethylene glycol sorbitan monolaurate 80 (TWEEN® 80)

### 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:** Polyethylene glycol sorbitan monolaurate 80  
**Synonym:** Tween 80  
**Catalog Number:** TWN507

### SECTION 2 HAZARDS IDENTIFICATION

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

**Potential health effects:**

**Eyes:** May cause irritation..

**Skin:** May cause irritation.

**Inhalation:** May cause irritation to respiratory tract. The toxicological properties of this product have not been fully investigated.

**Ingestion:** may cause irritation to GI tract if swallowed. The toxicological properties of this product have not been fully investigated.

**CHRONIC HEALTH HAZARDS:** none known

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Polyethylene glycol sorbitan monooleate 80	9005-65-6	>99%

**Molecular Formula:** C58H114O26

**Molecular Weight:** 1226.78

### 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:** Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

**Storage Conditions:** Room temperature. Hygroscopic. Keep cool and dry.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:**

ACGIH, NIOSH, OSHA, none listed

Use adequate ventilation. Avoid dust generation..

Wear appropriate protective equipment to prevent eye and skin exposure.

Wear appropriate respirator to prevent lung irritation.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Appearance and Odor:** amber liquid, no odor.

**Melting Point:** 245° C

**Boiling Point:** >100° C

**Specific Gravity:** 1.1060

**Vapor Density:** N/A

**Water Solubility:** yes, 100g/L

**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.

**Hazardous Decomposition Products:** carbon dioxide, carbon monoxide

**Hazardous Polymerization:** Has not been reported

### SECTION 11 TOXICOLOGICAL PROPERTIES

**Exposure Limits:**

LD50: 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 CA

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### 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

**Canada:** WHMIS: not controlled

### SECTION 16 ADDITIONAL INFORMATION

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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.