

# SAFETY DATA SHEET

## Polyethylene glycol sorbitan monolaurate 20 (TWEEN® 20)

### 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 20  
**Synonym:** Tween 20  
**Catalog Number:** TWN508, TWN510

**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. Collect with an electrically protected vacuum cleaner and place in container for disposal according to local regulations.

### SECTION 2 HAZARDS IDENTIFICATION

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

**WHMIS: not controlled**

**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 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 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Polyethylene glycol sorbitan monolaurate 20	9005-64-5	100

**Molecular Formula:** C58H114O26

**Molecular Weight:** 1226.78

### 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 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

### SECTION 11 TOXICOLOGICAL PROPERTIES

**Exposure Limits:**

LD50: No data available

**Epidemiology:** No data available

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## Polyethylene glycol sorbitan monolaurate 20 (TWEEN® 20)

**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

**Canada:** WHMIS: not controlled

### SECTION 16 ADDITIONAL INFORMATION

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Date Prepared: Jan 1/2025  
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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.