

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

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 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Polyethylene glycol sorbitan monolaurate 20	9005-64-5	>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. Collect with an electrically protected vacuum cleaner and place in container for disposal 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

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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

Prepared By: M.Kierdelewicz
Date Prepared: Oct 6/2022
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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.