

SAFETY DATA SHEET

PACLITAXEL

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: Paclitaxel
Catalog Number: PAX960
Recommended use: for research purposes only

SECTION 2: HAZARDS IDENTIFICATION

Emergency overview:

GHS Classification:

Germ cell mutagenicity: Category 2
Reproductive toxicity: Category 1B
Specific target organ toxicity - repeated exposure: Category 1

Pictogram



Signal word: **Danger**

Hazard statements:

H341 Suspected of causing genetic defects.
H360 May damage fertility or the unborn child.
H372 Causes damage to organs (Central nervous system, Bone marrow, Cardio-vascular system) through prolonged or repeated exposure.

Precautionary statement:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P405 Store locked up
P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/ INGREDIENTS

	CAS #	%
Paclitaxel	33069-62-4	≥100

Molecular Formula: C₄₇H₅₁NO₁₄
Molecular Weight: 853.92 G/MOL

SECTION 4: FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. If irritation persists, consult a physician.

Skin: Flush area immediately with plenty of soap and water. Consult a physician.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. Consult a physician.

Ingestion: Wash mouth with water. Consult a physician.

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. Avoid generating dust.

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: -20C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: 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.

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Use appropriate exhaust ventilation.

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Respiratory protection: use OSHA/MSHA approved dust masks.

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

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid
Colour: no data available
Odour: no data available
Melting point/freezing point: no data available
Boiling point or initial boiling point and boiling range: no data available
Flammability: no data available
Lower and upper explosion limit/flammability: no data available
Flash point: no data available
Auto-ignition temperature: no data available
Decomposition temperature: no data available
pH: no data available
Kinematic viscosity: no data available
Solubility:
Partition coefficient: n-octanol/water (log value): no data available
Vapour pressure: no data available
Density and /or relative density: no data available
Relative vapor density: no data available
Particle characteristics: no data available

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure
Conditions to avoid: dust generation. Excess heat
Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide,
Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:
No data available

Epidemiology: No data available
Teratogenicity: No data available
Reproductive Effects: No data available
Neurotoxicity: No data available
Mutagenicity: Suspected of causing genetic defects.
Carcinogenicity: Not listed by ACGIH, IARC, NTP, or OSHA
Specific target organ toxicity - repeated exposure Causes damage to organs through prolonged or repeated exposure. - Central nervous system.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:
No information found.

SECTION 13 DISPOSAL CONSIDERATION

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

DOT (US): not dangerous for transport
IMDG: not dangerous for transport
IATA: not dangerous for transport

SECTION 15 REGULATORY INFORMATION

US: TSCA: listed
Canada: WHMIS: D2A, D2B

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M. Kierdelewicz (President)
Date Prepared: Aug 7/2026
Phone: (800) 234-1179

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Observe all federal, provincial and state laws concerning health, safety and pollution.