

MATERIAL SAFETY DATA SHEET

IPTG (Dioxane free) (Isopropyl- β -D-Thiogalactopyranoside)

I IDENTIFICATION:

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.: 1-905-466-3832
Chemical Name: Isopropyl- β -D-Thiogalactopyranoside
Catalog Number: IPT001
Molecular Formula: C₉H₁₈O₅S
Molecular Weight: 238.30
WHMIS Classification: not controlled
TSCA: listed

II COMPOSITION/ INGREDIENTS:

	CAS #	%
IPTG	367-93-1	100

III HAZARDS/TOXICOLOGICAL PROPERTIES:

The toxicological properties of product have not been fully investigated

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs: Non known
Eyes: May cause irritation.
Skin: May cause irritation.
Inhalation: May cause irritation to respiratory tract.
Ingestion: may cause irritation to GI tract
CHRONIC HEALTH HAZARDS: none known.

Exposure Limits:
N/A

Epidemiology: No data available
Teratogenicity: No data available
Reproductive Effects: No data available
Neurotoxicity: No data available
Mutagenicity: No data available

IV FIRST AID MEASURES:

Eyes: Flush eyes with water .
Skin: In case of contact, flush area immediately with water.
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration.
Ingestion: Wash mouth with water.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No
Flash Point: N/A

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure. May form explosive peroxides upon prolonged storage or excessive heating.
Conditions to avoid: dust generation and excessive heating.
Incompatibility: strong oxidizing agents.
Hazardous Decomposition Products: carbon dioxide, carbon monoxide. Oxide of sulfur.
Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: powder
Appearance and Odor: white powder, odorless
Melting Point: 122-124° C
Boiling Point: N/A
Specific Gravity: N/A
Vapor Density: N/A
Water Solubility: yes
pH: N/A

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.
Ventilation: Local exhaust systems. Use fume hood
Respiratory protection: use OSHA/MSHA approved respirator.
Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container.
Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.
Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.
Storage Conditions: 4° C
Label Hazard Warning: None. Avoid eye and skin contact. Avoid inhalation and ingestion.
Shipping Information: Not regulated

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)
Date Prepared: Dec 30/2011
Phone: (800) 234-1179

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