



BioBharati LifeScience Pvt. Ltd.

Developing Best Products for Quality Research of National Significance
EN-35, First Floor, Salt Lake, Sec.-V, Kolkata-700091, INDIA
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Cell No. 09836508080, Lab No. 033-40077640

Material Safety Data Sheet (MSDS) for IPTG Powder (Molecular Biology Grade)

MSDS

I. Identification:

Product name: IPTG (Molecular Biology Grade)
Product Catalogue Number: #BB-C0010 , #BB-C0010C and #BB-C0011
CAS number: 367-93-1
EC No: 206-703-0
Chemical name: Isopropyl β-D thiogalactopyranoside
Formula: C₉H₁₈O₅S
Manufacturer Supplier: BioBharati LifeScience Pvt. Ltd; EN-35, First Floor, Salt Lake, Sector-V, Kolkata, PIN: 700091. INDIA
+91-33-40077640 (☎)
+91-9836508080 (📱)

II. Composition/Information on Ingredients:

a. Substance
Name: Isopropyl-β-D-thiogalactopyranoside
CAS No: 367-93-1
EC No. 206-703-0
b. Mixture
Not applicable

III. Hazard Identification:

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302
Acute Tox 4 (Dermal) H312
Acute Tox. 4 (Inhalation) H332

Adverse physicochemical, Huma health and environmental effects

No additional information available.

Label elements

Labelling according to regulation (EC) No. 1272/2008 [CLP]
Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP)



GHS07

Signal word (CLP): Warning
Hazard Statements (CLP): H302+H312+H332-Harmful if swallowed, in contact with skin or if inhaled
Precautionary Statements (CLP): P261- Avoid breathing dust
P264:- Wash hands thoroughly after handling
P271: Use only outdoors or in a well ventilated area.
P280- wear eye protection, protective gloves, protective clothing
P312- Call a doctor if you feel unwell
P501- Dispose of contents/container to an authorized waste collection point.
Other hazards: Dust in eyes may cause mechanical irritations. Dust from this product may cause irritation to the respiratory tract.

IV. First Aid Measures:

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove to fresh air, keep the patient warm and at rest. If symptoms persist, obtain medical attention.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

First-aid measures after eye contact: Rinse immediately with plenty of water. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

V. Fire Fighting Measures:

Flash Point: Data not available.
Autoignition Point: Data not available
Fire Extinguisher: Water spray, foam or carbon di-oxide
Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

VI. Accidental Release Measures:

Personal precautions, protective equipment and emergency procedures
Emergency procedures: Evacuate unnecessary personnel. Avoid breathing dust. Avoid contact with skin, eyes and clothing.
Protective equipment: Wear suitable protective clothing and gloves.
Emergency procedures: Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust. Avoid contact with eyes, skin and clothing.
Protective equipment: Wear suitable protective clothing and gloves.
Emergency procedures: Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust. Avoid contact with eyes, skin and clothing.

VII. Handling and Storage:

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Use only outdoors or in a well-ventilated area. Avoid dust formation. Avoid breathing dust. Avoid contact with skin, eyes and clothing.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating drinking or smoking and when leaving work.
Storage conditions: Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Protect from moisture.
Incompatible materials: Strong oxidizing agents. Moisture.
Storage temperature: -20 °C

VIII. Exposure Controls / Personal :

Engineering Controls: Maintain adequate ventilation, eye wash, quick drench facilities in working area.
Personal Protective: Equipment: lab coat, chemical resistant gloves, goggles
Occupational Exposure Limits: Data not available

IX. Physical Properties:

Physical State: Solid



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Odour: No data available

Melting Point: 105°C

Molecular Mass: 238.3 g/mol

X. Stability and Reactivity:

Reactivity: Stable under normal condition.

Chemical Stability: Stable under normal condition

Hazardous Decomposition: Hazardous reaction has not been reported.

Conditions to avoid: Extremely high or low temperatures

Incompatible materials: Strong oxidizing agents. Moisture.

Hazardous decomposition products: Carbon monoxide. Carbon dioxide. Sulphur oxides.

XI. Toxicological Information:

Acute toxicity: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

XII. Ecological Information:

Toxicity

Ecology - Water: Not classified.

Bio accumulative potential: No additional information available

Mobility in soil

No additional information available

XIII. Disposal Consideration:

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

XIV. Transport Information:

IATA: The substance is considered non-hazardous for air transport.

D.O.T.: The substance is considered non-hazardous for transport.

XV. Regulatory Information:

IPTG Powder is not on the REACH Candidate List

IPTG Powder is not on the REACH Annex XIV List

XVI. Other Information:

The product is sold solely for use in life science research. No other use is intended, and any other use may involve substantive hazards.

The above information is believed to be correct but does not intend to be all inclusive and shall be used only as a guideline for experienced personnel. BioBharati LifeScience Pvt. Ltd, shall not be liable for any damage resulting from the handling of or form contact with the above product. The safe use of this material entirely dependent upon the user.