

MATERIAL SAFETY DATA SHEET

According to EC Directive 1907/2006
Revision Date: 03.08.12 MS-50121 V01



A Meridian Life Science® Company

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade Name : IPTG
Catalogue Number : BIO-37036

Manufacturer/ Supplier: Headquarters
Bioline Reagents Ltd.
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2. HAZARD IDENTIFICATION

Product name
IPTG

Directive 1999/45/EC
Does not need labelling as
hazardous

GHS Directive 1272/2008/EC
Does not need labelling as
hazardous

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of hazardous substances listed below with non-hazardous additions.

Chemical name	CAS-No.	EC-No.	Concentration	Classification
Isopropyl β -D-thiogalactoside (IPTG)	367-93-1	206-703-0	Solid	n/a

4. FIRST AID MEASURES

After Inhalation

Remove to fresh air. Keep airways free.

After Swallowing

Drink lots of water after ingestion.

After Contact with Eyes

Immediately flush eyes with copious amounts of water for at least 20 minutes, retracting eyelids often. Tilt the head to prevent chemical transferring to uncontaminated eye.

After Contact with Skin

Remove contaminated clothing. Rinse the affected skin or mucous membrane thoroughly under running water. Use soap if possible.

Note to Physician

No additional recommendations

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

All extinguishers can be used, including fire blankets.

Unusual Fire Hazard

Carbon oxides, Sulphur oxides. Only when there is a large scale leak is there danger to the environment, or on the formation of hazardous substances.

Fire Fighting Protective Measures

Wear full protective clothing to prevent contact with the skin and eyes.

Wear self-contained breathing equipment to prevent inhalation of explosive or combustion gases. Fight fire from a safe distance and a protected location due to the potential of hazardous vapours and decomposition products. Product package burns like paper or plastic. Spray vapours with water. Retain fire water.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure ventilation is adequate. Only to be used by trained staff.

Refer to section 8 for personal protection equipment recommendations.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Clean-up Measures

Prevent the spread of any spill in order to minimise harm to human health and the environment if it is safe to do so. Use a liquid-binding material (e.g. sand, sawdust, diatomite etc.) to absorb the spillage. Place in closed containers for disposal. Ventilate area well after clean-up procedures have taken place.

7. HANDLING AND STORAGE**Handling**

In accordance with the instructions that come with the product. Avoid inhalation of vapour or mist. Use good laboratory handling procedures.

Storage

Packaging allows safe storage. Recommended storage temperature: 2 - 8 °C Do not store near strong oxidising agents. Hygroscopic. Refer to section 12 for further details.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering Measures**

Local exhaust ventilation or other engineering controls are normally required when handling this product to avoid overexposure.

Personal Protection

Respiratory Protection: Only if additional recommendations in test instruction or packing insert.

Eye Protection: An eye wash station must be available where this product is used. Wear chemically resistant, tightly fitting safety goggles or glasses with side-shields, according to EN 166.

Skin Protection: Prevent all contact with this product. Protective gloves, apron, face and further skin protection should be used depending on conditions of use, according to EN 374. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment thoroughly after each use.

Hygiene Practices: Avoid contact with skin or eyes. Do not place in mouth. Do not eat, drink or smoke when handling this product. Upon completion of the use of this product, dispose of protective gloves safely and wash hands thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

	Colour	Odour	Appearance	pH	Flash point	Sol. In water
IPTG	Colourless	Odourless	Solid	n/a	No data	Soluble

10. STABILITY AND REACTIVITY**Stability**

Product is stable under normal handling and storage conditions.
 Avoid excess heat, flame and pressure.
 Thermal decomposition: None if used under ordinary conditions.
 Conditions to avoid: Exposure to moisture; strong oxidising agents.

Reactivity

Dangerous Reactions: See conditions to avoid in stability section.
 Hazardous decomposition products: No data available.
 Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION**Carcinogenicity**

IARC: 2B - Group 2B: Possibly carcinogenic to humans (1,4-Dioxane)

Other information

Liver - Irregularities - Based on Human Evidence (1,4-Dioxane)

Other data is either not available or not required.

12. ECOLOGICAL INFORMATION

Data on components is either not available/not conducted or not required.

13. DISPOSAL CONSIDERATIONS**Product Disposal**

Must be disposed of according to all local official regulations (waste code: 16 05 06).

Packaging Disposal

Unclean packaging should be disposed of according to all local official regulations.

14. TRANSPORT INFORMATION

14.1 UN number		
ADR/RID: n/a	IMDG: n/a	IATA: n/a
14.2 UN proper shipping name n/a		
14.3 Transport hazard class(es)		
ADR/RID: n/a	IMDG: n/a	IATA: n/a
14.4 Packaging group		
ADR/RID: n/a	IMDG: n/a	IATA: n/a
14.5 Environmental hazards		
ADR/RID: No	IMDG: No	IATA: No

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

This safety sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other hazards

None

16. OTHER INFORMATION

The information provided in this Material Safety Data Sheet (MSDS) is accurate to the best of our present knowledge. However, this shall not constitute a guarantee for any specific product

features. All substances and preparations may present unknown hazards and should be used with caution. Bioline shall not be held liable for any damage resulting from the handling of or from contact with the above product. The information supplied in this MSDS shall not establish a legally valid contractual relationship.