



Issuing Date: 7-Sept-2001

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Rev. 6

## 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

**Product Name:** IPTG, Ultra pure grade  
**Product Code:** IB02100, IB02105, & IB02125  
**Recommend Use:** For further manufacturing use only  
Not for human or animal drug use  
**Company:** IBI SCIENTIFIC  
7445 Chavenelle Road  
Dubuque, IA 52002  
**Emergency Tele. Number:** 3E Company (Acct# 9027) 1-800-451-8346 / (001) 760-602-8703  
**Company Tele. Number:** 1-800-253-4942 / (001) 563-690-0484  
**E-Mail Address:** [info@ibisci.com](mailto:info@ibisci.com)

## 2. HAZARDOUS IDENTIFICATION

### GHS – Classification

**Classification:** This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity – Oral	Category 4
Acute Toxicity – Dermal	Category 4
Acute Toxicity – Inhalation (Dusts/Mists)	Category 4
Serious Eye Damage/Eye Irritation	Category 2

**Signal Word:** Warning



**Hazard Statements:** H302-Harmful if swallowed \* H312-Harmful in contact with skin \* H319-Causes serious eye irritation \* H332-Harmful if inhaled

**Precautionary Statements:** P264-Wash face, hands and any exposed skin thoroughly after handling \* P270-Do not eat, drink or smoke when using this product \* P261-Avoid breathing dust/fume/gas/mist/vapors/spray \* P271-Use only outdoors or in a well-ventilated area \* P280-Wear protective gloves/protective clothing/eye protection/face protection \* P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing \* P302+P352-IF ON SKIN: Wash with plenty of soap and water \* P312-Call a POISON CENTER or doctor if you feel unwell \* P362-Take off contaminated clothing and wash it before reuse \* P304+P312-IF INHALED: Remove person to fresh air and keep comfortable for breathing \* P312-Call a POISON CENTER or doctor if you feel unwell \* P301+P312-IF

SWALLOWED: Call a POISON CENTER or doctor if you feel unwell \* P330-Rinse mouth \* P501-Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified:** Not regulated

**Other information:** -

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical Name:</b>	beta-D-Galactopyranoside, 1-methylethyl 1-thio
<b>EC No.:</b>	EEC No. 206-703-0
<b>REACH Reg. No.:</b>	Not available
<b>CAS No.:</b>	367-93-1
<b>Weight %:</b>	100
<b>Classification:</b>	-

### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.
<b>Inhalation:</b>	Move to fresh air.. If breathing is difficult, give artificial respiration.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Rinse mouth.
<b>Notes to Physician:</b>	Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

<b>Flammable Properties:</b>	Not flammable
<b>Flash Point:</b>	Not determined
<b>Suitable Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , water spray, regular foam
<b>Hazardous Combustion Products:</b>	Carbon oxides
<b>Explosion Data</b>	
Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
<b>Protective Equip. &amp; Precautions for Firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Ensure adequate ventilation, especially in confined areas.
<b>Methods for Containment:</b>	Prevent further leakage or spillage, if safe to do so.
<b>Methods for Cleaning Up:</b>	Pick up and transfer to properly labeled containers.

### 7. HANDLING AND STORAGE

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Hygroscopic.
<b>Storage:</b>	Keep container tightly closed in a dry, cool, and well-ventilated place.
<b>Incompatible Products:</b>	None known based on information supplied

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Chemical Name:** beta-D-Galactopyranoside, 1-methylethyl 1-thio - #367-93-1  
**ACGIH TLV:** -  
**OSHA PEL:** -  
**NIOSH IDLH:** -

**Engineering Measures:** Showers, Eyewash Stations, Ventilation Systems

### **Personal Protective Equipment**

**Eye/Face Protection:** Avoid contact with eyes. Safety glasses with side-shields.  
**Skin & Body Protection:** Wear protective gloves/clothing.  
**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.  
**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White  
**Odor:** No information available  
**Odor Threshold:** No information available  
**Decomposition Temp. °C:** No information available  
**Freezing Point:** No information available  
**Initial Boiling Point:** No information available  
**Physical State:** Crystalline powder  
**pH:** No data available  
**Flash Point:** Not determined  
**Autoignition Temp. °C:** No data available  
**Boiling Point/Range:** No data available  
**Melting Point/Range:** No data available  
**Flammability Limits (Air):** Upper-No data available \* Lower-No data available  
**Explosion Limits** No information available  
**Explosive Properties:** No information available  
**Oxidizing Properties:** No information available  
**Evaporation Rate:** No information available  
**MMHG @ 37.8°C:** No data available  
**Vapor Density:** No data available  
**Specific Gravity:** No data available  
**Solubility:** Very soluble in water  
**Partition Coefficient (n-octanol/water):** No data available  
**Viscosity:** No information available

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions  
**Incompatible Products:** None known based on supplied information.  
**Conditions to Avoid:** Extremes of temperature and direct sunlight.  
**Hazardous Decomposition Products:** None known based on supplied information  
**Hazardous Polymerization:** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### **Acute Toxicity**

Product Information:	Inhalation:	Harmful by inhalation
	Eye Contact:	Irritating to eyes
	Skin Contact:	Harmful in contact with skin
	Ingestion:	Harmful if swallowed

### **Chronic Toxicity**

Chronic Toxicity: No known effect based on information supplied.

**Target Organ Effects:** Central nervous system (CNS), Kidneys, Liver.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** The environmental impact of this product has not been fully investigated.

## 13. DISPOSAL CONSIDERATIONS

**Water Disposal Method:** Dispose of material in accordance with all federal, state, and local regulations.

**Contaminated Packaging:** Dispose of in accordance with all federal, state, and local regulations. Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

### **IATA**

Not regulated

### **US DOT**

Not regulated

## 15. TOXICOLOGICAL INFORMATION

### **REACH Title VII Restrictions**

Chemical Name:	No information available
Dangerous Substances:	beta-D-Galactopyranoside, 1-methylethyl 1-thio-#367-93-1
Organic Solvents:	Not applicable
Harmful Substances Whose Names are to be indicated on the Label:	Not applicable
Pollution Release and Transfer Registry (Class II):	Not applicable
Pollution Release and Transfer Registry (Class I):	Not applicable
Poison and Deleterious Substances Control Law:	Not applicable
ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying:	Not applicable
ISHA – Harmful Substances Requiring Permission:	Not applicable
Toxic Chemical Classification Listing (TCCL):	Not applicable
Toxic Release Inventory (TRI) – Group I:	Not applicable
Toxic Release Inventory (TRI) – Group II:	Not applicable

### **International Inventories**

TSCA:	Complies
EINECS/ELINCS:	Complies
ENCS:	Does not comply
IECSC:	Complies
KECL	Complies
PICCS	Does not comply
AICS	Does not comply

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**Clean Air Act**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA**

The material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**International Regulations**

**Mexico**

No information available

**Canada**

No information available

**WHMIS Hazard Class**

D2B – Toxic materials



**16. OTHER INFORMATION**

**Issuing Date:** 7-Sept-2001

**Revision Date:** 29-Jun-2018

**Revision Note:** Updated address and logo

**Recommended Restrictions:** No information available

**Disclaimer:** The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release; and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the test.

**End of Safety Data Sheet**