

Product: IPTG

Product code: V3951

<u>Substance no.</u>	<u>description</u>	<u>qty.</u>
V395	IPTG	1 Xn
	IPTG, Dioxane Free	

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 07/26/2000

Reviewed on 01/25/2000

● 1 IDENTIFICATION OF SUBSTANCE:

○ **Trade name:** IPTG

○ **Product Number:** V395

○ **Manufacturer/Supplier:**

Promega Corporation
2800 Woods Hollow Road
Madison, WI 53711
U.S.A.
1-800-356-9526 or (608)-274-4330

○ **Information department:**

Promega Corporation, Environmental Health and Safety Department

○ **Emergency information:** ChemTrec 1-800-424-9300

● **2 COMPOSITION/DATA ON COMPONENTS:**

○ **Chemical characterization**

CAS No.	Description:	%
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367-93-1	isopropyl- β -D-thiogalactopyranoside	>99%
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○ **Identification number(s):**

○ **EEC Number:** 2067030

● **3 HAZARDS IDENTIFICATION:**

○ **Hazard description** Xn Harmful

○ **Information pertaining to particular dangers for man and environment**

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

○ **NFPA ratings (scale 0-4)**

Health = 2
Fire = 0
Reactivity = 0

○ **HMIS Ratings**

Health = 2
Flammability = 0
Reactivity = 0

● **4 FIRST AID MEASURES**

○ **General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

○ **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

○ **After skin contact** Generally the product does not irritate the skin.

○ **After eye contact**

Rinse opened eye for several minutes under running water.

○ **After swallowing** Immediately call a doctor.

● 5 FIRE FIGHTING MEASURES**○ Suitable extinguishing agents**

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

○ Protective equipment: Mount respiratory protective device.**● 6 ACCIDENTAL RELEASE MEASURES****○ Person-related safety precautions:** Not required.**○ Measures for environmental protection:** No special measures required.**○ Measures for cleaning/collecting:**

Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

● 7 HANDLING AND STORAGE**○ Handling****○ Information for safe handling:**

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

○ Information about protection against explosions and fires:

No special measures required.

○ Storage**○ Requirements to be met by storerooms and receptacles:**

No special requirements.

○ Information about storage in one common storage facility: Not required.**○ Further information about storage conditions:**

Keep receptacle tightly sealed.

○ Storage class**○ Class according to regulation on flammable liquids:** Not Applicable

● 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Additional information about design of technical systems:**
No further data; see item 7.

Components with limit values that require monitoring at the workplace:

Not required.

- **Additional information:**
The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:** Protective gloves.
- **Eye protection:** Safety glasses

● 9 PHYSICAL AND CHEMICAL PROPERTIES:

- **Form:** Solid.
- **Color:** Colorless
- **Odor:** Characteristic

	<u>Value/Range</u>	<u>Unit</u>
○ Change in condition		
○ Melting point/Melting range:	undetermined	
○ Boiling point/Boiling range:	undetermined	
○ Flash point:	Not applicable	
○ Flammability (solid, gaseous)	Product is not flammable.	
○ Danger of explosion: Product does not present an explosion hazard.		

- **Density:** Not determined
- **Solubility in / Miscibility with**
- **Water:** Insoluble
- **pH-value:** at 20 ° C 0.0
- **Organic solvents:** 0.0 %

● 10 STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:**
No dangerous decomposition products known

● 11 TOXICOLOGICAL INFORMATION

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

● 12 ECOLOGICAL INFORMATION:

- **General notes:** Not known to be hazardous to water.

● 13 DISPOSAL CONSIDERATION

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.

● 14 TRANSPORT INFORMATION

Contact Promega Safety Department for additional transportation information

- **DOT regulations:**
- **Hazard class:** -
- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **Marine pollutant:** No

● 15 REGULATIONS**TSCA (Toxic Substance Control Act):**

367-93-1 isopropyl- β -D-thiogalactopyranoside

- **Markings:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials
- **Code letter and hazard designation of product:** Xn Harmful
- **Risk phrases:**
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- **Safety phrases:** 22 Do not breathe dust.

● **16 OTHER INFORMATION:**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

○ **Department issuing MSDS:**

Environmental Health and Safety Department
(608) 274-4330

○ **Contact:**

Promega Corporation, Quality Assurance Department
1-800-356-9526 or (608) 274-4330