

Kit components

Product IPTG
 IPTG, Dioxane Free, 5gm
 Product code V3951

Substance number	Description	Amount	Symbols
V395	IPTG	1	Xn

RV 3951



Material Safety Data Sheet
 acc. to ISO/DIS 11014

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Printing date 06/15/2009

Reviewed on 06/15/2009

1 Identification of substance**Trade name:** IPTG**Article number:** V395**Application of the substance / the preparation:** Laboratory chemicals**Manufacturer/Supplier:**

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

MSDS author: Regulatory.Affairs@promega.com**Emergency information:**

CHEMTREC 1-800-424-9300

for call originating outside the United States dial 001-703-527-3887

2 Composition/Data on components**Chemical characterization:****CAS No., Description:**

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

Identification number(s):**EINECS Number:** 206-703-0**3 Hazards identification****Hazard description:**

Xn Harmful

Information pertaining to particular dangers for man and environment:

Harmful by inhalation, in contact with skin and if swallowed

Irritating to eyes, respiratory system and skin

Classification system:

The classification was made according to the latest editions of international substances lists, and is expanded upon by company and technical literature data

NFPA ratings (scale 0 - 4)

Health = 2

Fire = 0

Reactivity = 0

HMS-ratings (scale 0 - 4)

Health = 2

Fire = 0

Reactivity = 0

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OSHA Hazard Overview (Criteria according to 29CFR1910.1200):

Toxic
Irritant
Primary route(s) of entry:
Dermal
Inhalation
Oral
Target Organ(s):
May cause Liver damage (Hepatotoxin)
May cause Kidney damage (Nephrotoxin)

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: Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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: Mouth respiratory protective device.

6 Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

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 dusting.

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

No special precautions are necessary if used correctly.

Information about protection against explosions and fires: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements

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Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

8 Exposure controls and personal protection

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

Immediately remove all soiled and contaminated clothing.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection: Tightly sealed goggles

9 Physical and chemical properties

General Information

Form: Solid
Color: White
Odor: Sulphurous

Change in condition

Melting point/Melting range: 120°C (248°F)

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: Soluble.
Organic solvents: 0.0 %

10 Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions

Reacts with strong oxidizing agents.

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Reacts with strong acids.
Dangerous products of decomposition:
Carbon monoxide and carbon dioxide
Sulfur oxides (SO_x)

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11 Toxicological information

Acute toxicity:
Primary irritant effect:
on the skin: Irritant to skin and mucous membranes.
on the eye: Irritating effect.
Sensitization: No sensitizing effects known.

12 Ecological information

General notes:
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

13 Disposal considerations

Product:
Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system
Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

Contact Promega Safety Department for additional transportation information

DOT regulations:	Not regulated
Hazard class:	-
Land transport ADR/RID (cross-border):	Not regulated
ADR/RID class:	-
UN-Number:	Not regulated
Maritime transport IMDG:	
IMDG Class:	-
Marine pollutant:	No
Air transport ICAO-TI and IATA-DGR:	
ICAO/IATA Class:	-

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15 Regulations

Sara

Section 355 (extremely hazardous substances):

Substance is not listed.

Section 313 (Specific toxic chemical listings):

Substance is listed.

TSCA (Toxic Substances Control Act):

Substance is listed.

Proposition 65

Chemicals known to cause cancer:

Substance is listed.

Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

Chemicals known to cause developmental toxicity:

Substance is not listed.

Cancerogenity categories

EPA (Environmental Protection Agency)

Substance is not listed.

IARC (International Agency for Research on Cancer)

Substance is not listed.

NTP (National Toxicology Program)

Substance is not listed.

TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

MAK (German Maximum Workplace Concentration)

Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

Hazard symbols:

Xn Harmful

Risk phrases:

Harmful by inhalation, in contact with skin and if swallowed
Irritating to eyes, respiratory system and skin.

Safety phrases:

Do not breathe dust.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

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Wear suitable protective clothing.

National regulations:

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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:

Promega Corporation

Environmental Health and Safety Department

2800 Woods Hollow Road

Madison, WI

Ph (608)274-4330

* Data compared to the previous version altered.