

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance/preparation

Product code 400592 **Product name** TRIS, 500gr

Company/Undertaking Identification

Life Technologies 5791 VAN ALLEN WAY PO BOX 6482 CARLSBAD, CA 92008

BURLINGTON, ONT CANADA L7L 6A4 +1 760 603 7200 800/263-6236

24 hour Emergency Response (Transport): 866-536-0631

301-431-8585

Outside of the U.S. +1-301-431-8585

INVITROGEN CORPORATION

5250 MAINWAY DRIVE

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

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2. Hazards identification

GHS - Classification

Signal Word WARNING



Health Hazard

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Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ systemic toxicity (single exposure)	Category 3

Physical Hazards

not hazardous

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Precautionary statements

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P337 + P313 - If eye irritation persists: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

Principle Routes of Exposure/

Potential Health effects

Eyes Irritating to eyes. Skin Irritating to skin.

Inhalation Irritating to respiratory system.

Ingestion May be harmful if swallowed. Ingestion may cause gastrointestinal irritation,

nausea, vomiting and diarrhea.

Specific effects

Carcinogenic effectsnoneMutagenic effectsnoneReproductive toxicitynone

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Target Organ Effects None under normal use conditions

HMIS

Health	1
Flammability	0
Reactivity	0

3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
TRIS Base	77-86-1	201-064-4	60-100

We recommend handling all chemicals with caution.

4. First aid measures

Skin contact Wash off immediately with plenty of water for at least 15 minutes. Remove and

wash contaminated clothing before re-use. Immediate medical attention is

required.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. Immediate medical attention is required.

Ingestion Call a physician or Poison Control Centre immediately. Never give anything by

mouth to an unconscious person. Do not induce vomiting without medical advice.

Inhalation Move to fresh air. If not breathing, give artificial respiration. Call a physician or

Poison Control Centre immediately.

Notes to physician Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media Special protective equipment for firefighters Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Wear self-contained breathing apparatus and protective

suit.

6. Accidental release measures

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use

personal protective equipment.

Methods for cleaning upTake up mechanically and collect in suitable container for disposal.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

See Section 12 for additional information.

7. Handling and storage

Handling Always wear reccommended Personal Protective Equipment. No special handling

advice required.

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Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

8. Exposure controls/personal protection

Exposure limits

We are not aware of any national exposure limit.

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

In case of insufficient ventilation wear suitable respiratory equipment. Respiratory protection

Hand protection Impervious gloves.

Eye protection Safety glasses with side-shields. Skin and body protection. Lightweight protective clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure

controls

Prevent product from entering drains. Do not allow material to contaminate ground

water system.

9. Physical and chemical properties

General Information

Form solid powder **Appearance**

No information available Odor °F no data available **Boiling Point/Range** °C no data available Melting point/range °C no data available °F no data available Flash point °C no data available °F no data available **Autoignition temperature** °C no data available °F no data available

Oxidizing properties No information available.

Water solubility soluble

400592

10. Stability and reactivity

Stability Stable under normal conditions.

Carbon oxides

Materials to avoid Strong oxidizing agents

Hazardous decomposition

products

polymerization None under normal processing.

11. Toxicological information

Acute toxicity

Product code

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
TRIS Base	= 5900 mg/kg (Rat)	no data available	no data available

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Principle Routes of Exposure/

Potential Health effects

Eyes Irritating to eyes. Skin Irritating to skin.

Inhalation Irritating to respiratory system.

Ingestion May be harmful if swallowed Ingestion may cause gastrointestinal irritation,

nausea, vomiting and diarrhea.

Carcinogenic effects none
Mutagenic effects none
Reproductive toxicity none
Sensitization none

Target Organ Effects None under normal use conditions

12. Ecological information

Ecotoxicity effectsNo information available.MobilityNo information available.BiodegradationNo information available.BioaccumulationNo information available.

13. Disposal considerations

Dispose of in accordance with local regulations.

14. Transport information

IATA

Proper shipping name

Not classified as dangerous in the meaning of transport regulations

Hazard class none
Subsidiary Class none
Packing group none
UN-No none

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15. Regulatory information

Component	TSCA
TRIS Base	Listed
77-86-1 (60-100)	

U.S. Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

U.S. State Regulations

California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:

D2B Toxic materials



This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. Other information

Reason for Revision

(M)SDS sections updated.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unkown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE.

End of Safety Data Sheet

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