

I Identification

Product Name: **TRIS Base**

Catalog Number: **T041**

Synonyms: **2-Amino-2-(hydroxymethyl)-1,3-propanediol; Tris(hydroxymethyl)aminomethane**

Company: **Caisson Laboratories**

Address: **836 South 100 East, Smithfield, UT 84335**

Telephone: **435.755.7615**

Fax: **435.755.7617**

Emergency Contact: **CHEMTREC 800.424.9300 (703.527.3887)**

Recommended Use:

Restrictions On Use:

II Hazard(s) Identification

Overview: **Irritant**

Flammability:

Reactivity:

Toxicity:

NFPA Rating

Health: **2**

Flammability: **0**

Reactivity: **0**

Special:

Pictograms:

III Composition / Information on Ingredients

General Information:

Component: **C₄H₁₁NO₃**

CAS#: **77-86-1**

% by Weight: **90-100**

IV First-Aid Measures

General Information: **In case of accident or if you feel unwell, seek medical advice immediately.**

Route of Exposure

Oral: **Do not induce vomiting without medical advice.**

Inhalation: **Move to fresh air. Call a physician immediately.**

Dermal: **Rinse immediately with plenty of water for at least 15 minutes consult a physician.**

Eye: **Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.**

V Fire-Fighting Measures

General Information:

Flammable Properties

General:

Flash Point:

Ignition Temperature:

Suitable Extinguishing Media: **Use dry chemical, CO2, fog or foam.**

Special Protective Equipment for fire fighters: **Wear self contained breathing apparatus for fire fighting if necessary.**

Additional Information:

VI Accidental Release Measures

General Information: **Do not flush into surface water or sanitary sewer system.**

VII Handling and Storage

Handling: **Use only in area provided with appropriate exhaust ventilation.**

Storage: **General storage, keep in a tightly closed container, stored in a cool, dry, ventilated area**

VIII Exposure Controls / Personal Protection

General Information:

Engineering Measures: **Ensure adequate ventilation.**

Personal Protective Equipment

General:

Eye Protection: **Safety glasses or goggles recommended.**

Hand Protection: **Protective gloves**

Respiratory Protection: **Breathing apparatus only if aerosol or dust is formed.**

Skin and Body Protection: **Impervious clothing.**

Hygiene Measures: **Handle in accordance with good industrial hygiene and safety practice.**

IX Physical and Chemical Properties

General Information:

Appearance: **White Powder**

pH: **10.5**

Specific Gravity:

Melting Point: **167-172C**

Boiling Point: **219-220C at 10 mm Hg**

Flash Point:

Flammability Range:

Vapor Pressure:

X Stability and Reactivity

General Information: **Stable under recommended storage conditions.**

Storage Stability

 Temperature: **Room Temperature**

 Light Sensitive: **True**

Incompatibles: **Strong oxidizing agents.**

Hazardous Decomposition Products: **Carbon oxides, Nitrogen oxides, Ammonia**

XI Toxicological Information

General Information: **RTECS: TY2900000**

Oral LD50 Rat: 5900 mg/kg

Acute Toxicity:

Chronic Toxicity: **Chronic exposure may cause nausea and vomiting, higher exposure may cause unconsciousness.**

Local Effects: **Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.**

Target Organs: **Respiratory system**

Carcinogenicity: **No data is available on the product itself.**

OSHA Permissible Exposure Limits: **n/a**

XII Ecological Information

General Information: **May cause long-term adverse effects in the aquatic environment.**

XIII Disposal Considerations

General Information: **Waste disposal must be in accordance with appropriate Federal, State and local regulations.**

Disposal of Product:

Disposal of Packaging:

XIV Transport Information

Proper Shipping Name: **CHEMICALS, N.O.S (NON-REGULATED)**

UN#: **Not regulated**

Class:

Packaging Group:

Hazard Label: **Not Regulated**

XV Regulatory Information

General Information:

TSCA:

SARA 313:

XVI Other Information

General Information: **The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Caisson Laboratories, Inc. Shall not be held liable for any damage resulting from handling or from contact with the above product.**

Last Revision Date: 17 May, 2013