



# American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

## MATERIAL SAFETY DATA SHEET

### TRIS (HYDROXYMETHYL) AMINOMETHANE

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
---	---	--

Date: August 2007

Synonyms: 2-Amino 2 (Hydroxymethyl) Propane-1,3-Diol, 2-Amino-2-(Hydroxymethyl-1,3-Propanediol, 2-Amino-2Methylol-1, 3-Propanediol, Aminothrimethylolmethane, AminoTris(Hydroxymethyl)Methane, Methylamine, 1,1,1-TRIS(Hydroxymethyl, Trimethylolaminomethane, TRIS, Trisamine, TRIS-Amino, TRIS Buffer

CAS #: 77-86-1

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

TRIS (Hydroxymethyl) Aminomethane 99.5% min.

#### SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Odorless white crystals or powder that have little or no known hazards.

POTENTIAL HEALTH EFFECTS:

**Eyes and Skin:** Contact may cause irritation.

**Inhalation:** May cause irritation to upper respiratory tract.

**Ingestion:** No hazard in normal industrial use.

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP.

#### SECTION 4 - FIRST AID MEASURES

**Eyes:** In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes.

**Skin Contact:** Wash off with soap and water.

**Inhalation:** Remove to the fresh air.

**Ingestion:** Wash out mouth then dilute by drinking several glasses of water.

**In All Of The Above:** Consult a physician if symptoms persist.

---

### **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Not Flammable

Flammable Limits: Not Applicable

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire.

Unusual Fire Explosion Hazard: May emit toxic fumes.

Auto Ignition Temperature: Not Applicable

---

### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

---

### **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

---

### **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

---

### **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

TRIS (Hydroxymethyl) Aminomethane

AMERICAN INTERNATIONAL CHEMICAL, INC. 800 238 0001

Page 2 of 4

Boiling Point: 219°C

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): > 1

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: 171°C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Appreciable

pH: Not Applicable

---

#### **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen

KEEP AWAY FROM: Bases and oxidizers

---

#### **SECTION 11 - TOXICOLOGICAL INFORMATION**

Not Available

---

#### **SECTION 12 - ECOLOGICAL INFORMATION**

Not available

---

#### **SECTION 13 - DISPOSAL CONSIDERATIONS**

The material should be ignited in the presence of sodium carbonate and slaked lime (calcium hydroxide). The substance should be mixed with vermiculite and then with dry caustics, wrapped in paper and burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

RCRA WASTE #: Not Listed

---

#### **SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME:.....TRIS (Hydroxymethyl) Aminomethane - Not Regulated

TRIS (Hydroxymethyl) Aminomethane

AMERICAN INTERNATIONAL CHEMICAL, INC. 800 238 0001

## **SECTION 15 - REGULATORY INFORMATION**

TSCA (TOXIC SUBSTANCE CONTROL ACT):

This product is listed on the TSCA Inventory.

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category:  
Not Considered a Hazard

---

## **SECTION 16 - OTHER INFORMATION**

Reason for Issue: Changed Date

**This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.**

---