

MATERIAL SAFETY DATA SHEET

EM SCIENCE

|1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer.....: Preparation Date.: 5/4/00

A Division of EM Industries Information Phone Number.: 856-423-6300

P.O. Box 70 Hours: Mon. to Fri. 8:30-5

480 Democrat Road Chemtrec Emergency Number: 800-424-9300

Gibbstown, N.J. 08027 Hours: 24 hrs a day

TX1532MB 9310 9350 9380 00821961 TX1529

Product Name:

Synonyms:

Tris(Hydroxymethyl)Aminomethane HCl

Alkanolamine Salt

NH<sub>2</sub>C(CH<sub>2</sub>OH)<sub>3</sub> . HCl

Molecular Weight.: 157.60

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Appr %
Tris (Hydroxymethyl) Aminomethane Hydrochloride	1185-53-1	100%

EMERGENCY OVERVIEW

IRRITATING TO SKIN, EYES AND MUCOUS MEMBRANES.

Appearance:

White crystals

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

Irritating on contact with skin, eyes or mucous membranes.

Respiratory conditions

Routes of Entry:

Carcinogenicity:

The material is not listed (IARC, NTP, OSHA) as cancer causing

4. FIRST AID MEASURES

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush thoroughly with water for at least 15

Inhalation: Remove to fresh air; give artificial respiration if

Ingestion: Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (F) . . . . : Noncombustible

Flammable Limits LEL (%): N/A

Flammable Limits UEL (%): N/A

Extinguishing Media . . :

Use water spray, foam, dry chemical, or CO2.

Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing.

Thermal decomposition produces toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Spill Response:

Evacuate the area of all unnecessary personnel.

Wear suitable protective equipment listed under Exposure /

Eliminate any ignition sources until the area is determined to be

Contain the release and eliminate its source, if this can be done

Take up and containerize for proper disposal as described under

Comply with Federal, State, and local regulations on reporting releases. Refer to Regulatory Information for reportable

## 7. HANDLING AND STORAGE

Handling & Storage:

Store in a cool, dry area.

Do not breathe dust.

Do not get in eyes, on skin, or on clothing.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:

Material should be handled or transferred in an approved fume

Protective gloves should be worn to prevent skin contact

Safety glasses with side shields should be worn at all times.

Wash thoroughly after handling.

Do not take internally.

Eye wash and safety equipment should be readily available.

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OSHA - PEL:

Component	TWA		STEL		CL		Skin
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	
Tris (Hydroxymethyl) Aminomethane Hydrochloride							

Component	TWA		STEL		CL		Skin
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	

Tris (Hydroxymethyl) Aminomethane Hydrochloride

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limits have been established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point (C). . . . . : N/A

Specific Gravity (H2O = 1) : N/A

Vapor Pressure (mm Hg). . . : N/A

Percent Volatile by vol (%): N/A

Vapor Density (Air = 1). . : N/A

Evaporation Rate (BuAc = 1): N/A

Solubility in Water (%). . : Soluble

Appearance . . . . . :  
White crystals

Stability: Yes

Hazardous Polymerization:

Hazardous Decomposition:

Conditions to Avoid:

Moisture (product is hygroscopic)

( ) Water

(X) Bases

( ) Corrosives

( ) Other:

11. TOXICOLOGICAL INFORMATION

None established

None

Cited in Registry of Toxic Effects of Chemical Substances (RTECS)

EPA Waste Numbers:

Treatment:

Material does not have an EPA Waste number and is not a listed waste, however consultation with a permitted waste disposal site

ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE

COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

DOT Proper Shipping Name:

non-regulated

none

TSCA Statement:

The CAS number of this product is listed on the TSCA Inventory.

	SARA	SARA	CERCLA
Component	EHS	EHS TPQ	RQ
	(302)	(lbs)	(lbs)
Tris (Hydroxymethyl) Aminomethane Hydrochloride			

	OSHA	SARA	DeMinimis
Component	Floor List	313	for SARA 313

(%)

Tris (Hydroxymethyl) Aminomethane Hydrochloride

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

Comments:

NFPA Hazard Ratings:

Health : 1

Reactivity : 0

Revision History: 5/27/93 1/15/96 12/9/96 2/4/97

| = Revised Section  
N/A = Not Available

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