

SIGMA CHEMICAL COMPANY -- T8524 TRIZMA BASE MOLECULAR BIOLOGY REAGENT --
6810-00-936-4996

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Product Identification
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Product ID:T8524 TRIZMA BASE MOLECULAR BIOLOGY REAGENT

MSDS Date:05/19/1997

FSC:6810

NIIN:00-936-4996

MSDS Number: CFGTK

=== Responsible Party ===

Company Name:SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508

City:SAINT LOUIS

State:MO

ZIP:63178-5000

Country:US

Info P

hone Num:314-771-5765/800-325-3010

Emergency Phone Num:314-771-5765/800-325-3010

CAGE:21076

=== Contractor Identification ===

Company Name:SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508

City:ST LOUIS

State:MO

ZIP:63178

Country:US

Phone:314-771-5765

CAGE:21076

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Composition/Information on Ingredients
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Ingred Name:1,3-PROPANEDIOL , 2-AMINO-2-(HYDROXYMETHYL), TROMETHAMINE

CAS:77-86-1

RTECS #:TY2900000

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50(RAT): 5900 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:MAY BE HARMFUL BY INHALATION,
INGESTION/SKIN ABSORPTION. EYES/SKIN: IRRITATION. INHALATION:
IRRITATING TO MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION.

===== First Aid Measures =====

First Aid:EYES/SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER FOR 15 MINS.

INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.

INGESTION: WASH OUT MOUTH W/WATER IF CONSCIOUS. OBTAIN MEDICAL
ATTENTION IN ALL CAS ES.

===== Fire Fighting Measures =====

Extinguishing Media:WATER SPRAY, CO2, DRY CHEMICAL POWDER/APPROPRIATE
FOAM.

Fire Fighting Procedures:WEAR SCBA & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDI
TIONS.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES,
RUBBER BOOTS & HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG & HOLD
FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA & WASH SITE
AFTER MATERIAL PICKUP I S COMPLETE.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL DRY PLACE. KEEP
TIGHTLY CLOSED.

Other Precautions:

AVOID PROLONGED/REPEATED EXPOSURE. AVOID CONTACT
W/EYES, SKIN/CLOTHING. DON'T BREATHE DUST.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:MECHANICAL EXHAUST REQUIRED.

Protective Gloves:COMPATIBLE CHEMICAL RESISTANT

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:SAFETY SHOWER & EYE BATH, PROTECTIVE
CLOTHING.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES

BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

MELTING POINT: 340.16-342.14F.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:426.2-428F

Melt/Freeze Pt:M.P/F.P Text:(SEE SUPP)

Appearance and Odor:WHITE CRYSTALS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

BASES, OXIDIZING AGENTS.

Stability Condition to Avoid:MOISTURE.

Hazardous Decomposition Products:T

HERMAL COMBUSTION: CO, CO2, NITROGEN

OXIDES.

===== Disposal Considerations =====

Waste Disposal Methods:DISSOLVE/MIX W/A COMBUSTIBLE SOLVENT & BURN IN A
CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER & SCRUBBER,
IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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