

CITY CHEMICAL CO -- DIETHYLENETRIAMINE, TECHNICAL -- 6810-00-995-4804

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Product Identification
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Product ID:DIETHYLENETRIAMINE, TECHNICAL

MSDS Date:06/01/1995

FSC:6810

NIIN:00-995-4804

MSDS Number: CGMHJ

=== Responsible Party ===

Company Name:CITY CHEMICAL CO

Address:100 HOBOKEN AVE

City:JERSEY CITY

State:NJ

ZIP:07310

Country:US

Info Phone Num:201-653-6900

Emergency Phone Num:201-653-6900

/800-424-9300(CHEMTREC)

CAGE:8G980

=== Contractor Identification ===

Company Name:CITY CHEMICAL CO

Address:100 HOBOKEN AVE

Box:City:JERSEY CITY

State:NJ

ZIP:07310

Country:US

Phone:201-653-6900/800-424-9300(CHEMTREC)

CAGE:8G980

Company Name:CITY CHEMICAL CORPORATION

Address:100 HOBOKEN AVE

City:JERSEY CITY

State:NJ

ZIP:07310

Country:US

Phone:201-653-6900/800-248-2436

CAGE:83628

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Composition/Information on Ingredients
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Ingred Name:DIETHYLENETRIAMINE

CAS:111-40-0

RTECS

#:IE1225000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 PPM
ACGIH TLV:S, 1 PPM; 9596

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT): 1080 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MAY BE FATAL IF INHALED, SWALLOWED OR
ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE
OF THE MUCOUS MEMBRA
NES AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
INHALATION MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION &
EDEMAOF LARYNX & BRONCHI, CHEMICAL PNEUMONITIS & PULMONARY EDEMA.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:BURNING SENSATION, COUGHING, WHEEZING,
LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING. MAY
CAUSE ALLERGIC RESPIRA
TORY & SKIN REACTIONS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH
COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING
CONTAMINATED CLOTHING & SHOES. SEPARATE EYELIDS WITH FINGERS. IF
INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL
RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. IF SWALLOWED
,
WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL
PHYSICIAN.

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

Flash Point:202F,94C
Autoignition Temp:Autoignition Temp Text:676F
Lower Limits:2 %
Upper Limits:6.7 %
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE
FOAM.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
Unusual Fire/Explosion Hazard:E

MITIS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:EVACUATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS & HEAVY RUBBER GLOVES. ABSORB ON SAND OR VERMICULITE & PLACE IN CLOSED CONTAINERS FOR DISPOSAL. VENTILATE AREA & WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED. SENSITIZER. CORROSIVE. HIGHLY TOXIC. WASH THOROUGHLY AFTER HANDLING. DO NOT BREATHE VAPOR.

Other Precautions:READILY ABSORBED THROUGH THE SKIN. AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. USE ONLY IN A CHEMICAL FUME HOOD.

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

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR.

Ventilation:CHEMICAL FUME HOOD.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:SAFETY GOGGLES & FACESHIELD (8-INCH MIN)

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

DIETHYLENETRIMINE HAS BEEN REPORTED TO FORM COMPLEXES WITH SILVER,

COBALT OR CHROMIUM WHICH CAN BE EXPLOSIVE. IT HAS BEEN REPORTED TO CAUSE SPONTANEOUS IGNITION OF CELLULOSE NITRATE.

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

HCC:B2

Boiling Pt:=199.C, 390.2F

Melt/Freeze Pt:=-35.C, -31.F

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres: .08

Vapor Density:3.6

Spec Gravity:0.955

Viscosity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS LIQUID, ODOR

NOT SPECIFIED

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, COPPER, COPPER ALLOYS. ABSORBS CARBON DIOXIDE FROM AIR.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES.

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

Waste Disposal Methods: DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE

SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER & SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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