

UNION CARBIDE CORP., SOLVENTS & COATINGS MAT. DIV. -- DIETHYLENETRIAMINE --
6810-00-995-4804

===== Product Identification =====

Product ID:DIETHYLENETRIAMINE

MSDS Date:01/28/1991

FSC:6810

NIIN:00-995-4804

MSDS Number: BGCGX

=== Responsible Party ===

Company Name:UNION CARBIDE CORP., SOLVENTS & COATINGS MAT. DIV.

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Ph

one Num:304-744-3487

Emergency Phone Num:304-744-3487

CAGE:61637

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:UNION CARBIDE CORP

Address:39 OLD RIDGEBURY ROAD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357/732-563-5522 (MSDS)

CAGE:61637

===== Composition/Information on Ingredients =====

Ingred

Name:DIETHYLENE TRIAMINE
CAS:111-40-0
RTECS #:IE1225000
Fraction by Wt: 98-99.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 PPM
ACGIH TLV:S, 1 PPM; 9192

Ingred Name:N-AMINOETHYLPIPERAZINE
CAS:140-31-8
RTECS #:TK8050000
Fraction by Wt: 0.1-1.0%
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INGESTION
:MODERATELY TOXIC. MAY CAUSE
BURNS OF THE MOUTH AND THROAT. INHALATION:IRRITATION AND POSSIBLE
LUNG DAMAGE. SKIN:SEVERE IRRITATION. EYE:SEVERE CONJUNCTIVAL
IRRITATION, CORNEAL INJURY AND IRIT IS.
Explanation of Carcinogenicity:DATA PER MSDS
Effects of Overexposure:INGESTION:ABDOMINAL PAIN, NAUSEA, VOMITING,
DIAHRREA, DIZZINESS, THIRST, COLLAPSE AND POSSIBLE COMA.
INHALATION:EXCESSIVE TEARING, BURNING SENSATION OF THE NOSE AND
THROAT, COUGHING, WHEEZING, SHORTNE SS OF BREA
TH, NAUSEA AND
VOMITING. SKIN:SEVERE REDNEDD, SWELLING AND BURNS. EYES:DISTURBANCE
OF VISION.
Medical Cond Aggravated by Exposure:THIS MATERIAL MAY AGGRAVATE AN
EXISTING DERMATITIS. BREATHING OF VAPOR AND/OR MISTS MAY AGGRAVATE
ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

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===== First Aid Measures =====
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First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLE
NTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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===== Fire Fighting Measures =====
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Flash Point Method:PMCC
Flash Point:208F,98C
Extinguishing Media:APPLY ALCOHOL-TYPE OR ALL-PURPOSE-TYPE FOAMS BY
MANUFAC

TURERS TECHNIQUES FOR LARGE FIRES; ELSE USE CO2 OR DRY CHEMICAL.

Fire Fighting Procedures:DO NOT DIRECT A SOLID STREAM OF WATER OR FOAM INTO HOT, BURNING POOLS; THIS MAY CAUSE SPLATTERING AND INCREASE FIRE INTENSITY. USE PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:OXIDES OF NITROGEN WILL BE EVOLVED.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES.

USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:B2

Boiling Pt:B.P. Text:404F,207C

Melt/Freeze Pt:M.P/F.P Text:-38F,-39C

Vapor Pres: