

VAN WATERS AND ROGERS INC -- DIETHYLENETRIAMINE,O-D-1271 -- 6810-00-995-4804

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Product Identification
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Product ID:DIETHYLENETRIAMINE,O-D-1271

MSDS Date:05/27/1998

FSC:6810

NIIN:00-995-4804

MSDS Number: CHWZH

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC

Address:6100 CARILLON POINT

City:KIRKLAND

State:WA

ZIP:98033

Country:US

Info Phone Num:206-889-3400/800-631-8050 (MED

ICAL)

Emergency Phone Num:206-889-3400/800-424-9300(CHEMTREC)

CAGE:0STM5

=== 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:VOPAK USA INC

Address:6100 CARILLON POINT

Box:City:KIRKLAND

State:WA

ZIP:98033-7357

Country:US

Phone:425-889-3400/425-889-3617

CAGE:0STM5

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Composition/Information on Ingredients
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Ingred Name:

DIETHYLENETRIAMINE (98.5 - 99.5)

CAS:111-40-0

RTECS #:IE1225000

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 PPM

ACGIH TLV:S, 1 PPM; 9596

Ingred Name:N-AMINOETHYLPIPERAZINE

CAS:140-31-8

RTECS #:TK8050000

Fraction by Wt: 0.1-1.0%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic

:TARGET ORGANS: EYE, SKIN, RESPIRATORY

& GI TRACTS. ACUTE- EYE: MAY CAUSE SEVERE IRRITATION, BURNS, EVEN
BLINDNESS. SKIN: MAY CAUSE ULCERATION, PAIN. CAN BE ABSORBED
THROUGH SKIN. INHALE: VAPORS MAY CAUSE RESPIRATORY IRRITATION,
LUNG DAMAGE. ORAL: MODERATELY TOXIC. MAY CAUSE BURNS TO MOUTH &
THROAT. CHRONIC- LUNG DAMAGE

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE IRRITATION, REDNESS, SWELLING, CORNEAL
INJURY, NAUSEA, VOMITING, SEVERE PAIN, ULCERATI
ON, BLINDNESS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES/SKIN: IMMEDIATELY FLUSH
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SEE OPHTHALMOLOGIDT.
ORAL: DO NOT

INDUCE VOMITING. IF CONSCIOUS, DRINK 2 GLASSES OF
MILK OR WATER. SEEK IMMEDIATE MEDICAL ATTENTION. IF VOMITING
OCCURS, KEEP HEAD BELOW HIPS. DO NOT GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSON

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

Flash Point Method:PMCC

Flash Point:208F,98C

Extinguishing Media:SMALL FIRE: DRY CHEMICAL, CARBON DIOXIDE. LARGE
FIRE: ALCOHOL-TYPE OR ALL-PURPOSE FOAM

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT

AND
NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS. DO NOT SPREAD
FIRE WITH DIRECT SOLID STREAM OF WATER.
Unusual Fire/Explosion Hazard:TOXIC GASES MAY BE FORMED.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.
ABSORB ON SAND, VERMICULITE OR SIMILAR MATERIAL. SWEEP UP AND PLACE
IN AN APPROPRIATE CONTAINER FOR DISPOSAL. WASH CONTAMINATED SPILL
AREA WITH SOAPY WATER, THEN WATER TO REMOVE RESIDUES.
Neutralizing Agent:WEAK ACID

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLES. KEEP
CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF
CHILDREN.
Other Precautions:CORROSIVE! AVOID BREATHING VAPORS. DO NOT GET IN
EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND
BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY.
LAUNDRY BEFORE REUSE . FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A
NIOSH-APPROVED RESPIRATOR.
Ventilation:ADEQUATE
Protective Gloves:RUBBER
Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE 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
FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A, SAME NSN.

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

HCC:B2
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:206.7C, 404.F
Melt/Freeze Pt:-38.7C, -38.F
Vapor Pres:0.08 @ 68F
Vapor Density:3.6
Spec Gravity:0.952
VOC Pounds/Gallon:948
pH:BASIC
Evaporation Rate & Referenc

e:0.01 (N-BUTYL ACETATE=1)

Solubility in Water:100%

Appearance and Odor:TRANSPARENT, COLORLESS LIQUID WITH MILD AMMONIACAL
ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, ACIDS, HALOGENATED ORGANIC COMPOUNDS, ALDEHYDES, KETONES,
ACRYLATES, EPOXIDES, NITRITES, NITROSATING COMPDS

Stability Condition to Avoid:EXPOSURE TO CARBON DIOXIDE OF AIR

Hazardous Decomposition Products:SMOKE, CARBON MONOXIDE, CARBON
D

IOXIDE, NITROGEN OXIDES, ETHYLENEDIAMINE, VOLATILE AMINES, AMMONIA
MAY BE FORMED.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. REUSING IS RECOMMENDED.

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