

FISHER SCIENTIFIC, CHEMICAL DIV. -- DIETHYLENETRIAMINE -- 6810-00-995-4804

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Product Identification
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Product ID:DIETHYLENETRIAMINE

MSDS Date:02/17/1995

FSC:6810

NIIN:00-995-4804

MSDS Number: BXQFV

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100 OR 201-796-7523

Emergency

Phone Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:DALDEN CORP

Address:2923 SATURN ST SUITE C

Box:City:BREA

State:CA

ZIP:92821

Country:US

Phone:714-985-0117

CAGE:0EV88

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients
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Ingred Name:DIETHYLENETRIAMINE

CAS:111-40-0

RTEC

S #:IE1225000
Fraction by Wt: 100.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 PPM
ACGIH TLV:S, 1 PPM; 9394

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

LD50 LC50 Mixture:LD50 ORAL RAT IS 1080 MG/KG/TLV 1 PPM.
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALE-MAY CAUSE MUCOUS MEMBRANE
IRRITATION & ASTHMA. SKIN-STRONG PRIMARY IRRITATION EYE-MAY CAUSE
PERMANENT COR
NEAL DAMAGE. INGESTION-MAY CAUSE SHOCK-LIKE STATE,
HYPOTENSION AND SOMETIMES TETANY AS A RESULT OF IONIC CALCIUM
REDUCTION.
Explanation of Carcinogenicity:CARCINOGEN STATUS:NONE.
Effects of Overexposure:INHALATION-COUGHING, LABORED BREATHING,
SHORTNESS OF BREATH. SKIN-REDNESS & BLISTERING. INGESTION-MAY CAUSE
SORE THROAT, VOMITING, NAUSEA, ABDOMINAL PAIN, DIARRHEA, SLOW
PULSE, CYANOSIS, COMA.
Medical Cond Aggravated by Exposure:ALLERGIC SENSITIZATION MAY OCCUR IN
PREVIU
SLY EXPOSED INDIVIDUALS.

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

First Aid:INHALATION-REMOVE TO FRESH AIR IMMEDIATELY. PERFORM
ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL AID. SKIN-REMOVE
CONTAMINATED CLOTHES/SHOES. WASH WITH SOAP OR MILD DETERGENT &
LARGE AMOUNTS OF WATER . GET MEDICAL AID. EYE-WASH WITH LARGE
AMOUNTS OF WATER. CONTINUE IRRIGATING WITH NORMAL SALINE. GET
MEDICAL AID. INGESTION-GIVE WATER OR MILK. ALLOW VOMITING TO OCCUR.

DO NOT PERFORM GASTRIC LAVAGE.

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

Flash Point Method:PMCC
Flash Point:208F,98C
Autoignition Temp:Autoignition Temp Text:676F
Lower Limits:2%
Upper Limits:6.7%
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR
REGULAR FOAM. FOR LARGE FIRES, USE WATER SPRAY, FOG OR REGULAR
FOAM.
Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF CAN DO
WITHOUT RISK. DO NOT GET WATER INSIDE CONTAINER. APPLY COOLING

WATER TO SIDES OF CONTAINER THAT ARE EXPOSED TO FLAMES.
Unusual Fire/Explosion Hazard:SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT
OR FLAME.

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

Spill Release Procedures:SHUT OFF IGNITION SOURCES. DO NOT TOUCH
SPILLED MATERIAL. STOP LEAK IF YOU CAN DO WITHOUT RISK. USE WATER
SPRAY TO REDUCE VAPORS. DO NOT GET WATER INSIDE CONTAINER. FOR
SMALL SPILL TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL & PLACE
IN CONTAINER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE
SUBSTANCES. STORE IN TIGHTLY CLOSED CONTAINERS; PREVENT EXPOSURE TO
MOISTURE. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:STORE IN COOL, DRY, WELL-VENTILATED LOCATION.

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

Respiratory Protection:ANY TYPE "C" SUPPLIED AIR RESPIRATOR WITH A FULL
FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE
MODE OR WITH A FULL FACEPIECE, HELMET OR HOOD OPERATED
INCONTINUOUS-FLOW MODE.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION SYSTEM TO MEET PUBLISHED
EXPOSURE LIMITS.

Protective Gloves:APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:SPLASH-PROOF OR DUST RESISTANT GOGGLES.

Other Protective Equipment:EMPLOYEE MUST WEAR APPROPRIATE PROTECTIVE
(IMPERVIOUS) CLOTHING & EQUIPMENT TO PREVENT SKIN CONTACT WITH
SUBSTANCE.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, DRINKING OR
SMOKING.

Supplemental Safety and Health

WHERE THERE IS ANY POSSIBILITY THAT AN EMPLOYEE'S EYE AND/OR SKIN MAY
BE EXPOSED TO THIS SUBSTANCE, THE EMPLOYER SHOULD PROVIDE AN EYE
WASH FOUNTAIN AND QUICK DRENCH SHOWER WITHIN THE IMMEDIATE WORK
PLACE AREA FOR EMERGENCY USE.

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

HCC:B2

Boiling Pt:=-207.2C, 405.F

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

Vapor Pres:0.22

Vapor Density:3.5

Spec Gravity:0.9586

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS TO YELLOW HYGROSCOPIC LIQUID - AMINE ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, ALDEHYDES, KETONES, ZINC, COPPER AND ALLOYS, CELLULOSE NITRATE, ALUMINUM.

Stability Condition to Avoid:EXCESSIVE HEAT

Hazardous Decomposition Products:MAY PRODUCE HIGHLY TOXIC HYDROGEN

CYANIDE, AND TOXIC AND HAZARDOUS OXIDES OF CARBON AND NITROGEN.

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

Waste Disposal Methods:DISPOSAL MUST BE MADE IN ACCORDANCE WITH STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE, 40 CFR 262. EPA HAZARDOUS WASTE NUMBER D002. 100 LB CERCLA SECTION 103 REPORTABLE QUANTITY.

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