

DU PONT E I DE NEMOURS AND CO INC -- DIMETHYLFORMAMIDE -- 6810-00-877-4340

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Product Identification  
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Product ID: DIMETHYLFORMAMIDE

MSDS Date: 01/13/1994

FSC: 6810

NIIN: 00-877-4340

MSDS Number: BFTLM

=== Responsible Party ===

Company Name: DU PONT E I DE NEMOURS AND CO INC

Address: 1007 MARKET STREET

Box: 1635

City: WILMINGTON

State: DE

ZIP: 19899

Country: US

Info Phone Num: 800-441-7515/9442 OR 302

-999-5072

Emergency Phone Num: 800-441-3637/CHEMTREC 800-424-9300

CAGE: 18873

=== Contractor Identification ===

Company Name: E.I. DUPONT DE NEMOURS & CO

Address: 1007 MARKET STREET

Box: City: WILMINGTON

State: DE

ZIP: 19898

Country: US

Phone: 800-441-7515; 800-441-9442

CAGE: 18873

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Composition/Information on Ingredients  
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Ingred Name: DIMETHYLFORMAMIDE

CAS: 68-12-2

RTECS #: LQ2100000

Fraction by Wt: 100%

OSHA PEL: S, 10 PPM

ACGIH TLV: S, 10 PPM; 9192

EPA Rpt Qty: 1 LB

DOT Rpt Qty: 1 L

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

LD50 LC50 Mixture:ORAL LD50 (RATS) = 2,800 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:INHALATION- IRRITATION OF THE UPPER RESPIRATORY PASSAGES. ABNORMAL LIVER FUNCTION. SKIN- IRRITATION. EYES- SEVERE CONTACT. INGESTION- IRRITATION OF THE DIGESTIVE TRACT.

Effects of Overexposure:INGESTION- STOMACH PAIN, HEARTBURN, NAUSEA,

VOMITING OR DIARRHEA. SKIN- RASH. SWELLING, REDNESS, AND WRINKLING OF THE SKIN. MAY CAUSE HEADACHE, OR WEAKNESS, ABDOMINAL DISCOMFORT, ABNORMAL LIVER FUNCTION. EYES- DISCOMFORT, TEARING, OR BLURRING OF VISION. INHALATION- IRRITATION OF THE UPPER RESPIRATORY SYSTEM.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PREEXISTING DISEASES OF THE LIVER MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

===== Fir  
st Aid Measures =====

First Aid:INHALATION- IMMEDIATELY REMOVE TO FRESH AIR. ADMINISTER APPROPRIATE BREATHING SUPPORT MEASURES. SKIN- IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING. EYES- IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. INGESTION- DO NOT INDUCE VOMITING. IMMEDIATELY GIVE 2 GLASSES OF WATER. CALL A PHYSICIAN.

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

Flash Point:136F/58C TCC

Autoignition Temp:Autoignition Temp Text:833F

Lower Limits:2.2

Upper Limits:15.2

Extinguishing Media:WATER FOG, ALCOHOL RESISTANT FOAM, DRY CHEMICAL, CO<sup>2</sup>.

Fire Fighting Procedures:EVACUATE ENCLOSED AREAS.KEEP PERSONNEL UPWIND,USE RESPIR.EQP

Unusual Fire/Explosion Hazard:COMBUSTIBLE. VAPORS HEAVIER THAN AIR.

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

Spill Release Procedures:DIKE SPILL WITH SAND OR

EARTH. ABSORB WITH SAND OR NON-FLAMMABLE ABSORBENT MATERIAL AND TRANSFER INTO STEEL DRUMS FOR RECOVERY OR DISPOSAL. FLUSH AWAY REMAINING TRACES WITH WATER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED AND IN COOL PLACE. KEEP AWAY FROM FIRE,SPARKS & FLAME. AVOID BREATHING VAPOR. AVOID CONTACT WITH EYES,SKIN & CLOTHING.  
Other Precautions:WASH THOROUGHLY AFTER HANDLING.

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===== Expos  
ure Controls/Personal Protection =====

Respiratory Protection:CHEMICAL SUIT WITH BREATHING AIR SUPPLY IF THERE IS CHANCE OF EXPOSURE  
Ventilation:PROVIDE MECHANICAL(GEN/LOCAL EXHAUST)VENT TO MAINTAIN 662F,>350C  
Vapor Pres:2.6 MM HG  
Vapor Density:2.5  
Spec Gravity:0.95  
pH:8(20%)  
Evaporation Rate & Reference:662F/350C MAY RELEASE DIMETHYLAMINE & CARBON MONOXIDE.

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

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. IF APPROVED, CAN BE DISPOSED OF BY INCINERATION, BIO-OXIDATION OR BY REMOVAL TO LICENSED HAZARDOUS MATERIAL LANDFILL.

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