

BETZ ENTEC INC -- BETZ ENTEC 741 -- 6850-01-162-6985

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Product Identification  
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Product ID:BETZ ENTEC 741

MSDS Date:09/01/1994

FSC:6850

NIIN:01-162-6985

MSDS Number: BPZVD

=== Responsible Party ===

Company Name:BETZ ENTEC INC

Address:508 PRUDENTIAL RD

City:HORSHAM

State:PA

ZIP:19044-2309

Country:US

Info Phone Num:215-674-9200 / FAX 215-674-5067

Emergency Phone Num:215-674-9200

CAGE:57394

=== Contractor Identification ===

Company Name:BETZDEARBORN INC.

Address:4636 SOMERTON ROAD

City:TREVOSE,

State:PA

ZIP:19053

Country:US

Phone:215-942-3355

CAGE:57394

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Composition/Information on Ingredients  
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Ingred Name:2-DIETHYLAMINOETHANOL

CAS:100-37-8

RTECS #:KK5075000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 10 PPM

ACGIH TLV:S, 10 PPM; 9293

Ingred Name:MFR LISTED ONLY ONE INGREDIENT UNDER "HAZARDOUS  
INGREDIENTS".

RTECS #:9999999ZZ

Other REC Limits:NONE

# RECOMMENDED

## ===== 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:PRODUCT IS A SEVERE IRRITANT TO

CORROSIVE OF BODY TISSUES. IT IS ABSORBED THROUGH THE SKIN AND IS A POTENTIAL SENSITIZED. CHRONIC OVEREXPOSURE MAY CAUSE NERVOUS SYSTEM TOXICITY.

Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT THAT IS LISTED

BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:MAY CAUSE NASAL, RESPIRATORY AND MUCOUS MEMBRANE IRRITATION, POSSIBLY LEADING TO ABDOMINAL CRAMPS, NAUSEA AND VOMITING.

Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:IF IRRITATION IS PERSISTENT OR SEVERE, SEE A DOCTOR.

EYE:FLUSH W/WATER 15 MIN AND GET MEDICAL ASSISTANCE. SKIN:WASH EXPOSED AREA W/SOAP & WATER FOR 15 MIN. REMOVE CONTAMINATED

CLOTHING & LAUNDRER BEFO RE REUSE. INHALED:REMOVE FROM EXPOSURE.APPLY FIRST AID AS NEEDED. INGESTED:NOTHING BY MOUTH IF UNCONSCIOUS OR CONVULSIVE. DO NOT INDUCE VOMITING. GIVE MILK OR WATER AND GET IMMEDIATE MEDICAL ATTN.

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

Flash Point Method:SCC

Flash Point:>200F,>93C

Extinguishing Media:DRY CHEMICAL, CO2, FOAM OR WATER

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIV

E EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:PRODUCT AND WATER MAY CREATE SLIPPERY CONDITIONS. USE SAND OR GRIT.

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

Spill Release Procedures:VENTILATE AREA AND USE APPROPRIATE PROTECTIVE EQUIPMENT. CONTAIN AND ABSORB WITH ABSORBENT MATERIAL. PLACE IN DISPOSAL CONTAINERS. FLUSH AREA W/WATER. WET AREA MAY BE SLIPPERY, USE SAND OR GRIT TO AVO ID FALLS.

Neutralizing Agent:NO INFORMATION GIVEN

ON MSDS BY MFR.

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

Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT FREEZE. IF FROZEN, THAW AND MIX THOROUGHLY BEFORE USING. ALKALINE! DO NOT MIX WITH ACIDIC MATERIAL.

Other Precautions:NONE

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

Respiratory Protection:USE RESPIRATORS WITHIN USE LIMITATIONS OR SUPPLIED AIR RESPIRATORS.

Ventilation:ADEQUATE VENTILATION TO MAINTAIN AIR CONTAMINANTS BELOW EXPOSURE LIMITS.

Protective Gloves:GAUNTLET TYPE NEOPRENE

Eye Protection:SPLASH GOGGLES AND FACE SHIELD

Other Protective Equipment:CHEMICAL RESISTANT APRON

Work Hygienic Practices:MFR: ? HMIS:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). NAVY IDENTIFIED NSN AND CAGE.

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

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HCC:B3

NRC/State Lic Num:NONE

Melt/Freeze Pt:M.P/F.P Text:-9F,-23C

Vapor Pres:18.0

Vapor Density: