

BETZ ENTEC INC -- BETZ ENTEC 338 -- 6850-01-113-7436

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Product Identification  
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Product ID: BETZ ENTEC 338  
MSDS Date: 10/31/1988  
FSC: 6850  
NIIN: 01-113-7436  
MSDS Number: BRZZJ  
=== 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  
Emergency Phone Num: 215-355-3300  
CAGE: 57394  
=== Contractor Identification ===  
Company Name: BETZ DEARBORN 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: SODIUM NITRITE (SARA III)  
CAS: 7632-00-0  
RTECS #: RA1225000  
EPA Rpt Qty: 100 LBS  
DOT Rpt Qty: 100 LBS

Ingred Name: SODIUM TETRABORATE, PENTAHYDRATE  
CAS: 12179-04-3  
RTECS #: VZ2540000  
OSHA PEL: 10 MG/M3  
ACGIH TLV: 1 MG/M3

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Hazards Identification  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: SKIN: MOD IRRIT TO SKIN. EYE:

SEV IRRIT TO EYES. INHAL: MISTS/AEROSOLS CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. CHRONIC: PROLONGED OR REPEATED EXPOSURES MAY CAUSE LIVER AND KIDNEY TOXICITY. MAY CAUSE BLOOD CELL DAMAGE OR IMPAIRMENT OF FUNCTION, OR MAY CAUSE CNS DE

PRESSION. MAY BE TOX IF

ORALLY INGESTED.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:MAY CAUSE REDNESS OR ITCHING OF SKIN.

Medical Cond Aggravated by Exposure:NOT KNOWN.

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

First Aid:SKIN:REMOVE CONTAMD CLTHG. WASH EXPOS AREA W/LRG QTY OF SOAP SOLN/WATER FOR 15 MINS. EYE: IMMED FLUSH W/WATER FOR AT LST 15 MINS. IMMED CONT PHYS FOR ADDNL TREATMENT. INHAL: REMOVE VICTIM FROM CONTAMD AREA T

O FRESH AIR. APPLY APPROP FIRST AID TREATMENT

AS NEC. INGEST: DO NOT FEED ANYTHING BY MOUTH TO AN UNCON/CONVULS VICTIM. DILUTE CONTENTS OF STOM. INDUCE VOMIT BY 1 OF STD METHS. IMMED CONT PHYS.

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

Flash Point Method:PMCC

Flash Point:>200F,>93C

Extinguishing Media:FLOOD WITH WATER. USE OF CARBON DIOXIDE OR FOAM MAY NOT BE EFFECTIVE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQU

IPMENT .

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:VENT AREA, USE SPECIFIED PROT EQUIP. CONTAIN & ABSORB ON ABSORB MATL. PLACE IN WASTE DISP CNTNR. WASTE CHARACT OF ABSORB MATL/ANY CONTAM SOIL SHOULD BE DETERM I/A/W RCRA REGS. FLUSH AREA W/WATER. WET AREA MAY BE SLIPPERY. SPREAD SAND/GRIT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handli

ng and Storage =====

Handling and Storage Precautions:KEEP DRUMS AND PAILS CLOSED WHEN NOT IN USE. PROTECT FROM FREEZING.

Other Precautions:IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH BEFORE REUSE. CONTAINS AN OXIDIZER. AVOID ALL CONTACT WITH REDUCING AGENTS, OILS, GREASES, ORGANICS AND ACIDS. DO NOT ALLOW TO DRY.

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

Respiratory Protection:USE PROT EQUIP IN ACCORDANCE WITH 29 CFR SECTION 1910

.132-134. USE RESP W/IN USE LIMITATIONS OR ELSE USE NIOSH/MSHA APPRVD SUPP AIR RESPS.IF VENT IS INADEQ/SIGNIFICANT PROD EXPOS IS LIKELY, USE NIOSH/ MSHA APPRVD RESP WITH DUST/MIST FILTERS.

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

Protective Gloves:RUBBER GLOVES.

Eye Protection:SPLASH PROOF CHEM GOGGLES .

Other Protective Equipment:USE PROTECTIVE EQUIPMENT IN ACCORDANCE WITH 19 CFR SECTION 1910.132-134.

Work Hygienic Practices:WASH OFF GLOVES AFTER EACH USE. REPLACE AS NECESSARY.

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

Spec Gravity:1.845 @ 70F

pH:11.6

Solubility in Water:100%

Appearance and Odor:YELLOW LIQUID, MILD ODOR.

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS.

Stability Condition to Avoid:CONTAMINATION.

Hazardous Decomposition Products:THERMA

L DECOMPOSITION (DESTRUCTIVE FIRES) YIELDS ELEMENTAL OXIDES.

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

Waste Disposal Methods:WASTE CONTAMD W/PROD MAY BE SENT TO SANITARY SEWER TREATMENT FACILITY, I/A/W ANY LOCAL AGREEMENT, A PERMITTED WASTE TREATMENT FACILITY OR DISCHARGED UNDER NPDES PERMIT. PROD(AS IS)-INCIN/BUTY IN APPRV D LANDFILL. DISP I/A/W FED, ST,& LOC REGS .

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