

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: 02/16/1991
FSC: 6850
NIIN: 01-113-7436
MSDS Number: CHFWX
=== Responsible Party ===
Company Name: BETZ ENTEC INC
Address: 200 WITMER RD
City: HORSHAM
State: PA
ZIP: 19044
Country: US
Info Phone Num: 800-877-1940
Emergency Phone Num: 800-877-1940
CAGE: 57394
=== Contractor Identification
n ===
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 (CERCLA)
CAS: 7632-00-0
RTECS #: RA1225000
OSHA PEL: N/K
ACGIH TLV: N/K
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

Ingred Name: SODIUM BORATE, 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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on =====

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: MODERATELY IRRITATING.

EYES: SEVERE IRRITANT. INHALATION: MISTS/AEROSOLS CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. INGESTION: MAY BE TOXIC. CHRONIC: PROLONGED/REPEATED EXPOSURES MAY CAUSE LIVER & KIDNEY TOXICITY, MAY CAUSE BLOOD CELL DAMAGE/IMPAIR

MENT OF FUNCTION/MAY CAUSE CNS DEPRESSION.

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 CONTAM CLTHG. WASH EXPOSED AREA W/LGE QTY OF SOAP SOLN/WATER FOR 15 MIN. EYES: IMMED FLUSH W/WATER FOR AT LEAST 15 MIN. IMMED CONT MD FOR ADDNL TREATMENT. INHAL: REMOVE TO FRESH AIR. APPL Y APP

ROP FIRST AID TREATMENT AS NEC. INGEST: DO NOT FEED ANYTHING BY MOUTH TO UNCON/CONVULSING VICTIM. DILUTE CONTENTS OF STOM. INDUCE VOMIT BY ONE OF THE STD METHS. IMMED CONT MD.

===== 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 APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explo

sion 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 CONTR. WASTE CHARACTS OF ABSORBED MATL/ANY CONTAM SOIL, SHOULD BE DETERMINED I/A/W RCRA REGS. FLUSH AREA W/WAT ER. WET AREA MAY BE SLIPPERY. SPREAD SAND/GRIT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage

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Handling and Storage Precautions: BETZ TANK CLEAN-OUT CATEGORY 'B'. KEEP DRUMS AND PAILS CLOSED WHEN NOT IN USE. PROTECT FROM FREEZING.
Other Precautions: CONTAINS AN OXIDIZER. AVOID ALL CONTACT WITH REDUCING AGENTS, OILS, GREASES, ORGANICS AND ACIDS. DO NOT ALLOW TO DRY.

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Exposure Controls/Personal Protection

Respiratory Protection: USE RESPIRATORS WITHIN USE LIMITATIONS OR ELSE USE NIOSH APPROVED SUPPLIED AIR RESPIRATORS. IF VENTILATION IS INADEQUATE OR SIGNIFICANT PRODUCT EXPOSURE IS LIKELY, USE A NIOSH APPROVED RESPIRATOR WITH DUST/MIST FILTERS.
Ventilation: ADEQUATE VENTILATION TO MAINTAIN AIR CONTAMINANTS BELOW EXPOSURE LIMITS.
Protective Gloves: RUBBER GLOVES.
Eye Protection: ANSI APPROVED CHEM WORKERS GOGGLES .
Other Protective Equipment: EMERGENCY EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA .
Work Hygienic Practices: WASH OFF GLOVES AFTER EACH USE & REPLACE AS NECESSARY. USE PROTECTIVE EQUIPMENT I/A/W 29 CFR SECTION 1910.132-134.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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Physical/Chemical Properties

Melt/Freeze Pt: M.P/F.P Text: -10F, -23C
Spec Gravity: 1.245
pH: 11.6
Solubility in Water: 100%
Appearance and Odor: YELLOW LIQUID WITH MILD ODOR

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Stability and Reactivity Data

Stability Indicator/Materials to Avoid: YES
MAY REACT WITH STRONG OXIDIZERS.
Stability Condition to Avoid: DO NOT

T CONTAMINATE. BETZ TANK CLEAN-OUT
CATEGORY "B".

Hazardous Decomposition Products:THERMAL DECOMPOSITION (DESTRUCTIVE
FIRES) YIELDS ELEMENTAL OXIDES.

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

Waste Disposal Methods:WATER CONTAM W/PROD MAY BE SENT TO SANITARY
SEWER TREATMENT FACILITY, I/A/W ANY LOC AGREEMENT, PERMITTED WASTE
TREATMENT FACILITY/DISCHARGED UNDER NPDES PERMIT. PROD (AS IS):
INCIN/BURY IN APPRVD LAND FILL. DISP OF I/A/W LOC, STATE & FED
REGS

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