

BETZ DEARBORN INC -- L291, HARDNESS BUFFER -- 6850-01-390-4339

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Product Identification  
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Product ID:L291, HARDNESS BUFFER

MSDS Date:08/22/1995

FSC:6850

NIIN:01-390-4339

Status Code:A

MSDS Number: CKSJZ

=== Responsible Party ===

Company Name:BETZ DEARBORN INC

Address:4636 SOMERTON RD

City:TREVOSE

State:PA

ZIP:19053

Country:US

Info Phone Num:215-355-3300/215-773-6223

Emergency Phone Num:80

0-877-1940

CAGE:1CWF7

=== Contractor Identification ===

Company Name:BETZDEARBORN INC

Address:4636 SOMERTON ROAD

Box:City:TREVOSE

State:PA

ZIP:19053

Country:US

Phone:215-355-3300

CAGE:1CWF7

Company Name:BETZDEARBORN INC.

Address:4636 SOMERTON ROAD

City:TREVOSE,

State:PA

ZIP:19053

Country:US

Phone:215-942-3355

Contract Num:SP0450-00-M-D108

CAGE:57394

Company Name:BETZDEARBORN INC.

Address:4636 SOMERTON ROAD

City:TREVOSE,

State:PA

ZIP:19053

Country:US

Phone:215-942-3355

Contract Num:SP0450-00-M-SH

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CAGE:57394

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Composition/Information on Ingredients  
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Ingred Name:BORIC ACID, DISODIUM SALT, PENTAHYDRATE  
CAS:12179-04-3  
RTECS #:VZ2540000  
ACGIH TLV:1 MG/M3

Ingred Name:POTASSIUM HYDROXIDE (CAUSTIC POTASH)  
CAS:1310-58-3  
RTECS #:TT2100000  
ACGIH STEL:C2 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM SULFIDE (ANHYDROUS)  
CAS:1313-82-2  
RTECS #:WE1905000

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Hazards Identification  
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LD50 LC50 Mixture:NO DATA  
PROVIDED BY RESPONSIBLE PARTY.  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE SKIN EFFECTS: PRIMARY ROUTE OF  
EXPOSURE; MAY CAUSE MODERATE IRRITATION TO THE SKIN. ACUTE EYE  
EFFECTS: SEVERE IRRITANT TO THE EYES, POSSIBLY CORROSIVE. ACUTE  
RESPIRATORY EFFECTS: MISTS/AEROSOLS MAY CAUSE IRRITATION TO UPER  
RESPIRATORY TRACT. INGESTION EFFECTS: MAY CAUSE GASTROINTESTINAL  
IRRITATION WITH POSSIBLE NAUSEA, VOMITING, ABDOMINAL DISCOMFORT AND

DIARRHEA.

Explanation of Carcinogenicity:NO COMPONENT IS CONSIDERED TO BE A  
CARCINOGEN BY NTP, IARC, OR BY OSHA.  
Effects of Overexposure:CAUSES IRRITATION OF THE SKIN, EYES, AND/OR  
RESPIRATORY SYSTEM, GI TRACT.  
Medical Cond Aggravated by Exposure:NOT KNOWN

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First Aid Measures  
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First Aid:SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA  
WITH A LARGE QUANITIY OF SOAP SOLUTION OR WATER FOR 15 MINUTES. EYE  
CONTACT: IM

MEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES.

IMMEDIATELY CONTACT A PHYSICIAN FOR ADDITIONAL TREATMENT.

INHALATION: REMOVE VICTIM FROM CONTAMINATED AREA TO FRESH AIR.

APPLY APPROPRIATE FIRST AID TREATMENT AS NECESSARY. INGESTION: DO NOT FEED ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSIVE VICTIM.

DO NOT INDUCE VOMITING. IMMEDIATELY CONTACT PHYSICIAN. DILUTE CONTENTS OF STOMACH USING 3-4 GLASSES MILK OR WATER.

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===== Fire Fighting Measures =====  
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Flash Point Method:PMCC

Flash Point:>93.3C, 200.F

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM OR WATER.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (FULL FACE-PIECE TYPE).

Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION (DESTRUCTIVE FIRES) YIELDS ELEMENTAL OXIDES.

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===== Accidental Release Measures =====  
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Spill Release Procedures:VENTILATE AREA. USE SPECIFIED PROTECTIVE

EQUIPMENT. CONTAIN AND ABSORB ON ABSORBENT MATERIAL. PLACE IN WASTE DISPOSAL CONTAINER. FLUSH AREA WITH WATER. WET AREA MAY BE SLIPPERY. SPREAD SAND/GRIT.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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===== Handling and Storage =====  
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Handling and Storage Precautions:NORMAL CHEMICAL HANDLING. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP DRY.

Other Precautions:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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===== Exposure Controls/Personal Protection =====  
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Respiratory Protection:A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'A 29 CFR 1910.134 AND ANSIZ88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. USE AIR PURIFYING RESPIRATORS WITHIN USE LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR-RESPIRATORS.

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

Protective Gloves:NEOPRENE GLOVES--WASH OFF AFTER

EACH USE. REPLACE AS NECESSARY.

Eye Protection:AIRTIGHT CHEMICAL GOGGLES.

Other Protective Equipment:USE PROTECTIVE EQUIPMENT IN ACCORDANCE WITH 29 CFR 1910 SUBPART 1.

Work Hygienic Practices:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health

IF AIR-PURIFYING RESPIRATOR USE IS APPROPRIATE, USE A RESPIRATOR WITH DUST/MIST FILTERS.

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Physical/Chemical Properties  
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HCC:B3

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Dec

omp Temp:Decomp Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:N10.0

Viscosity:BA

Evaporation Rate & Reference:2000 MG/KG (ESTIMATED).

DERMAL LD50 RABBIT: >2000 MG/KG (ESTIMATED).

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Ecological Information  
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Ecological:AQUATIC TOXICOLOGY: NO DATA AVAILABLE. BIODEGRADATION: NO DATA AVAILABLE.

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Disposal Considerations  
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Waste Disposal Methods:WATER CONTAMINATED WITH THIS PRODUCT MAY BE

SENAT TO A SANITARY SEWER TREATMENT FACILITY, IN ACCORDANCE WITH ANY LOCAL AGREEMENT, A PERMITTED WASTE TREATMENT FACILITY OR DISCHARGED UNDER A PERMIT. PRO DUCT AS IS - INCINERATED OR LAND DISPOSE IN AN APPROVED LANDFILL.

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MSDS Transport Information  
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Transport Information:DOT HAZARD: NOT APPLICABLE. UN/NA NUMBER: NOT APPLICABLE. DOT EMERGENCY RESPONSE GUIDE #: NOT APPLICABLE.

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Regulatory Information  
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SARA Title III Information:SECTION 312 HAZARD CLASS: IMMEDIATE (ACUTE) HEALTH. SECTION 302: NO REGULATED CONSTITUENT PRESENT. SECTION 313: NO REGULATED CONSTITUENT PRESENT.

Federal Regulatory Information:TSCA: ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY. CERCLA/RCRA REPORTABLE QUANTITY: NO REGULATED CONSTITUENT PRESENT.

State Regulatory Information:CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) CEMICALS PRESENT: NO REGULATED

CONSTITUENT PRESENT. MICHIGAN REGULATORY INFORMATION: NO REGULATED CONSTITUENT PRESENT.

===== Other Information =====

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