

BETZ LABORATORIES, INC. -- HARDNESS BUFFER,291 A -- 6850-01-390-4335

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Product Identification  
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Product ID:HARDNESS BUFFER,291 A

MSDS Date:08/29/1995

FSC:6850

NIIN:01-390-4335

MSDS Number: BTTDV

=== Responsible Party ===

Company Name:BETZ LABORATORIES, INC.

Address:4636 SOMERTON ROAD

City:TREVOSE

State:PA

ZIP:19053

Country:US

Info Phone Num:215-355-3300

Emergency Phone Num:215-355-3300

CA

GE:24774

=== Contractor Identification ===

Company Name:BETZDEARBORN INC.

Address:4636 SOMERTON ROAD

Box:City:TREVOSE

State:PA

ZIP:19053

Country:US

Phone:215-355-3300

CAGE:24774

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:BORIC ACID, DISODIUM SALT, PENTAHYDRATE

CAS:12179-04-3

RTECS #:VZ2540000

Fraction by Wt: UNK

Other REC Limi

ts:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:1 MG/M3; 9394

Ingred Name:POTASSIUM HYDROXIDE (SARA III)  
CAS:1310-58-3  
RTECS #:TT2100000  
Fraction by Wt: UNK  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM SULFIDE, ANHYDROUS  
CAS:1313-82-2  
RTECS #:WE1905000  
Fraction by Wt: UNK  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalat  
ion:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: SKIN-MAY CAUSE MODERATE  
IRRITATION TO THE SKIN. EYE-SEVERE IRRITANT TO THE EYES, POSSIBLY  
CORROSIVE. RESPIRATORY-MIST/AEROSOLS MAY CAUSE IRRITATION TO UPPER  
RESPIRATORY TRACT. INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION  
WITH POSSIBLE NAUSEA, VOMITING, ABDOMINAL DISCOMFORT AND DIARRHEA.  
Effects of Overexposure:CAUSES IRRITATION OF THE SKIN, EYES, AND/OR  
RESPIRATORY SYSTEM.  
Medical Cond Aggravated by Exposure:NOT KNOWN.

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

First Aid:SKIN-REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH A  
LARGE QUANTITY OF SOAP SOLUTION OR WATER FOR 15 MIN.  
EYE-IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MIN. IMMEDIATELY  
CONTACT A PHYSICIAN FOR TREATMENT. INHALATION-REMOVE VICTIM  
FROMCONTAMINATED AREA TO FRESH AIR. APPLY FIRST AID TREATMENT AS  
NECESSARY. INGESTION-DO NO

T INDUCE VOMITING. IMMEDIATELY CONTACT  
PHYSICIAN. DILUTE WITH MILK/WATER.

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

Flash Point Method:PMCC

Flash Point:>200F,>93C

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

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

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:VENTILATE AREA, USE SPECIFIED PROTECTIVE  
EQUIPMENT. SWEEP UP & PLACE IN WASTE DISPOSAL CONTAINER. FLUSH AREA  
W/WATER. WET AREA MAY BE SLIPPERY. SPREAD SAND/GRIT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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

Other Precautions:NONE SPECIFIED BY MANUFACTURER

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

Respiratory Protection:USE RESPIRATORS WITHIN USE LIMITATIONS OR ELSE  
USE SUPPLIED AIR RESPIRATORS. IF VENTILATION IS INADEQUATE OR  
SIGNIFICANT PRODUCT EXPOSURE IS LIKELY, USE A RESPIRATOR W/  
DUST/MIST FILTERS.

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

Protective Gloves:NEOPRENE GLOVES.

Eye Protection:AIRTIGHT CHEMICAL GOGGLES.

Other Protective Equipment:WASH OFF NEOPRENE GLOVES AFTER EACH USE.  
REPLACE AS NECESSARY.

Work Hygienic Practices:WASH HANDS AFTER HANDLING. LAUNDRY CONTAMINATED  
CLOTHING PRIOR TO REUSE.

Supplemental Safety and Health

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

HCC:B3

Spec Gravity:0.730 LBS/FT<sup>3</sup>

pH:10.0

Evaporation Rate & Reference: