

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

===== Product Identification =====

Product ID:HARDNESS BUFFER,291 A

MSDS Date:08/22/1995

FSC:6850

NIIN:01-390-4335

MSDS Number: CGLXZ

=== Responsible Party ===

Company Name:BETZ DEARBORN INC

Address:200 WITMER ROAD

City:HORSHAM

State:PA

ZIP:19044

Country:US

Info Phone Num:215-773-6269 / FAX 215-674-5067

Emergency Phone Num:800-877-194

0

CAGE:JO502

=== Contractor Identification ===

Company Name:BETZ DEARBORN INC

Address:200 WITMER RD

Box:City:HORSHAM

State:PA

ZIP:19044

Country:US

Phone:215-773-6269

CAGE:JO502

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

===== Composition/Information on Ingredients

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Ingred Name:SODIUM BORATE, PENTAHYDRATE
CAS:12179-04-3
RTECS #:VZ2540000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3
ACGIH TLV:1 MG/M3; 9596

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)
CAS:1310-58-3
RTECS #:TT2100000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

===== Hazards Iden
tification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS >2,000 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY
AND GASTROINTESTINAL TRACTS. ACUTE- MAY CAUSE SEVERE IRRITATION TO
EYES, POSSIBLY CORROSIVE. MAY CAUSE MODERATE IRRITATION TO SKIN.
DUSTS MAY CAUSE IRRITATION TO U PPER RESPIRATORY TRACT. MAY CAUSE
GASTROINTESTINAL TRAC
T IRRITATION. CHRONIC- NO EVIDENCE OF
POTENTIAL CHRONIC EFFECTS.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:SEVERE IRRITATION, PAIN, NAUSEA, VOMITING,
DIARRHEA, ABDOMINAL DISCOMFORT

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY, FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP &
WATER. ORAL:D

O NOT INDUCE VOMITING. IF CONSCIOUS, DRINK 3-4 GLASSES OF MILK OR WATER. SEEK IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:PMCC

Flash Point:>200F,>93C

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

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

Spill Release Procedures:SWEEP UP SPILL. AVOID CREATING DUST. PLACE IN APPROPRIATE CONTAINER FOR DISPOSAL. VENTILATE AREA AND WASH SPILL SITE WITH WATER.

Neutralizing Agent:WEAK ACID

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

Handling and Storage Precautions:STORE IN DRY PLACE AWAY FROM STRONG OXIDIZING AGENTS. KEEP CONTAINER TIGHTLY CLOSED. USE IN VENTILATED AREA.

Othe

r Precautions:DO NOT RAISE DUST. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID INHALATION OF DUST. WASH THOROUGHLY AFTER HANDLING MATERIAL. KEEP OUT OF REACH OF SMALL CHILDREN. DO NOT INGEST.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED DUST RESPIRATOR OR DUST MASK.

Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS (10 ROOM VOLUMES PER HOUR).

Protective Gloves:NEOPRENE

Eye Protection:AIRTIGHT CHEMICAL GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING AND/OR UNIFORM

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:B3

NRC/State Lic Num:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility

in Water:100%

Appearance and Odor:WHITE POWDER - SLIGHT SULFUR ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:ELEMENTAL OXIDES

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

Waste Disposal Methods:THE POWDER MAY BE BURIED IN A SANITARY LANDFILL OR INCINERATED. ENSURE COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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ided with this information by the compiling agencies):

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