

BETZDEARBORN INC., WATER MANAGEMENT GROUP -- HARDNESS BUFFER,L291 --
6850-01-390-4335

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Product Identification
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Product ID:HARDNESS BUFFER,L291

MSDS Date:08/22/1995

FSC:6850

NIIN:01-390-4335

Status Code:A

MSDS Number: CJGNG

=== Responsible Party ===

Company Name:BETZDEARBORN INC., WATER MANAGEMENT GROUP

Address:200 WITMER ROAD

City:HORSHAM

State:PA

ZIP:19044

Country:US

Info Phone Num:215

-773-6269/800-877-1940(USA)

Emergency Phone Num:800-877-1940

CAGE:57394

=== Contractor Identification ===

Company Name:BETZDEARBORN INC

Address:4636 SOMERTON ROAD

Box:City:TREVOSE

State:PA

ZIP:19053

Country:US

Phone:215-355-3300

Contract Num:SP0450-99-M-NB70

CAGE:1CWF7

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:SODIUM BORATE,

PENTAHYDRATE/BORIC ACID,DISODIUM SALT

CAS:12179-04-3

RTECS #:VZ2540000

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:1 MG/M3

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

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

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

LD50 LC50 Mi

xture:LD50 (ORAL, RAT) >2,000 MG/KG ESTIMATED

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 (HMIS). ACUTE - ACUTE EYE EFFECTS:

SEVERE IRRITATION TO THE EYES, POSSIBLY CORROSIVE. ACUTE SKIN

EFFECTS: PRIMARY ROUTE OF EXPOSURE. M AY CAUSE MODERATE IRRITATION

TO THE SKIN. ACUTE RESPIRATORY EFFECTS: MISTS/AEROSOLS MAY CAUSE

IRRITATION TO UPPER RESPIRATORY TRACT. INGESTION EFFECTS: MAY CAUSE

GASTROINTESTINAL TRACT IRRITATION WITH POSSIBLE NAUSEA, VOMITING,

ABDOMINAL DISCOMFORT AND DIARRHEA. CHRONIC - NO EVIDENCE OF

POTENTIAL CHRONIC EFFECTS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE IRRITATION, PAIN, NAUSEA, VOMITING,

DIARRHEA, ABDOMINAL DISCOMFORT

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALAT

ION: REMOVE

VICTIM TO FRESH AIR. APPLY APPROPRIATE FIRST AID TREATMENT AS NECESSARY. EYE CONTACT: IMMEDIATELY, FLUSH EYES WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. IMMEDIATELY CONTACT A PHYSICIAN FOR ADDITIONAL TREATMENT. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH A LARGE QUANTITY OF SOAP SOLUTION OR WATER FOR 15 MINUTES. INGESTION: DO NOT FEED ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSIVE VICTIM. DO NOT INDUCE VOMITING. SEEK IMMEDIATE

DIATE MEDICAL ATTENTION. DILUTE CONTENTS OF STOMACH USING 3-4 GLASSES OF MILK OR WATER.

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

Flash Point Method:PMCC

Flash Point:>93.3C, 200.F

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

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:YIELDS ELEMENTAL OXIDES.

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

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:WEAK ACID

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

Handling and Storage Precautions:STORE IN DRY PLACE AWAY FROM STRONG OXIDIZING AGENTS. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:NORMAL CHEMICAL HANDLING: AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID INHALATION OF DUSTS. 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 AIR-PURIFYING RESPIRATOR WITH DUST/MIST FILTERS OR U

SE AIR-SUPPLIED RESPIRATORS.

FOLLOW OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS.

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

Protective Gloves:NEOPRENE - WASH OFF AFTER EACH USE.

Eye Protection:AIRTIGHT CHEMICAL GOGGLES

Other Protective Equipment:EYE BATH, WASHING FACILITY, PROTECTIVE EQUIPMENT IN ACCORDANCE WITH 29 CFR 1910 SUBPART 1.

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

H AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

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

HCC:B3

NRC/State Lic Num:NOT RELEVANT

pH:10 AS IS

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

Ha

azardous Decomposition Products:ELEMENTAL OXIDES

===== Toxicological Information =====

Toxicological Information:DERMAL LD50 RABBIT: >2,000 MG/KG (ESTIMATED VALUE).

===== Ecological Information =====

Ecological:NO DATA AVAILABLE

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

Waste Disposal Methods:WATER CONTAMINATED WITH THIS PRODUCT MAY BE SENT TO A SANITARY SEWER TREATMENT, IN ACCORDANCE WITH ANY L

OCAL
AGREEMENT, A PERMITTED WASTE TREATMENT FACILITY OR DISCHARGE UNDER
A PERMIT. PRODUCT AS IS - INCINERATE OR LAND DISPOSE IN AN
APPROVED LANDFILL.

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===== Regulatory Information =====

SARA Title III Information:312: IMMEDIATE (ACUTE)
Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE ON
THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY LIST.
State Regulatory Information:NONE

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