

BETZ LABORATORIES, INC. -- 290 HARDNESS INDICATOR -- 6850-01-390-4339

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

Product ID:290 HARDNESS INDICATOR
MSDS Date:09/07/1995
FSC:6850
NIIN:01-390-4339
MSDS Number: BTTDW
=== 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/
800-877-1940
CAGE:24774

=== Contractor Identification ===
Company Name:A V LABORATORIES
Address:2926 SW 1ST ST
Box:City:MIAMI
State:FL
ZIP:33155
Country:US
CAGE:6M595
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
=====

===

Ingred Name:NO HAZ INGREDIENTS SPECIFIED BY MSDS.
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 RAT (ESTIMATED) >2000MG/KG
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MAY CAUSE SLIGHT SKIN IRRIT, MODERATE
EYE IRRIT.DUSTS MAY CAUSE UPPER RESP TRACT IRRIT.MAY CAUSE SLIGHT
GASTROINTESTINAL IRRIT.

Explanation o

f Carcinogenicity:PER MSDS:NO COMPONENT CONSIDERED TO BE
CARCI BY NTP/IARC/OSHA.

Effects of Overexposure:MAY CAUSE EYE, SKIN &/OR RESPIRATORY TRACT
IRRIT.

Medical Cond Aggravated by Exposure:NOT KNOWN. TARGET ORGASN:NO
EVIDENCE OF POTENTIAL CHRONIC EFFECTS.

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

First Aid:SKIN:REMOVE CLOTH.WASH AREA W/LG AMTS OF SOAP SOLUTION OR
WATER FOR 15MINS.IMMED CONTACT DR.EYE:IMMED FLUSH W/WATER FOR
15MINS.IMMED CONTACT
DR FOR ADDN TREATMENT.INHAL:REMOVE FROM
CONTAMIN AREA.APPLY NECESSARY 1ST AID TREATMENT.IMMED CONTACT
DR.INGEST:DO NOT FEED ANYTHING BY MOUTH IF UNCONSC/CONVULSING.DO
NOT INDUCE VOMIT.IMMED CONTACT DR.DILUTE STOMACH CONTENTS W/3-4
GLASSES MILK/WATER.

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

Flash Point Method:PMCC

Flash Point:>200F,>93C

Extinguishing Media:PROPER FIRE-EXTINGUISHING MEDIA:DRY CHEMICAL,
CARBON DIOXIDE, FOAM OR WATER.

Fire Fighting

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

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:VENTILATE AREA.USE SPECIFIED PROTECTIVE
EQPMT.CONTAIN/ABSORB ON ABSORBENT MATL.PLACE IN WASTE DISPOSAL
CNTNR.FLUSH AREA W/WATER.WET AREA MAY BE SLIPPERY.SPREAD SAND/GRIT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURE

R.

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

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

Other Precautions:BETZ INTERNAL PUMPOUT/CLEANOUT CATEGORIES:"A".

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

Respiratory Protection:RESP PROTECTION PROGRAM THAT MEETS OSHA
29CFR1910.134/ANSI Z88.2 REQMTS MUST BE FOLLOWED WHENEVER WORKPLACE
CNDITIONS WARRANT RESP USE.USE AIR-PURIFYING R

ESP W/IN USE

LIMITATIONS ASSOC W/EQPMT/ELSE US E SUPPLIED AIR-RESP W/DUST/MIST
FILTERS.

Ventilation:ADEQUATE VENTILATION.

Protective Gloves:RUBBER GLOVES.

Eye Protection:AIRTIGHT CHEMICAL GOGGLES.

Other Protective Equipment:USE PROT EQPMT IAW 29CFR1910 SUBPART I.WASH
OFF GLOVES AFT EACH USE & REPLACE GLOVES AS NECESSARY.

Work Hygienic Practices:LAUNDER CONTAMIN BEF REUSE. WASH HANDS AFTER
HANDLING.

Supplemental Safety and Health

DISPOSAL:MAY BE MORE RESTRICTIVE/OTHERWISE DIFFEREN
T FRM FED

REGS.CONSULT STATE/LOC REGS REGARDING PROPER DISPSOAL OF MATL.NO
REG CONSTITUENT UNDER CERCLA/SARA.

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

HCC:N1

pH:N/D

Appearance and Odor:ODOR:NONE; BLACK POWDER.

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

Stability Indicator/Materials to Avoid:YES
MAY REACT W/STRONG OXIDES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:THERMAL DECOMPOSIT

ION (DESTRUCTIVE
FIRES) YIELDS ELEMENTAL OXIDES.

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

Waste Disposal Methods:WATER CONTAMIN W/PROD MAY BE SENT TO SANITARY
SEWER TREATMENT FACILITY IAW ANY LOC AGREEMENT/PERMITTED WASTE
TREATMENT FACILITY/DISCHARGE UNDER PERMIT.PROD AS
IS:INCINERATE/LAND DISPOSE IN APPROVED LA NDFILL.ADVISED:STATE/LOC
WASTE DISPOSAL(SUPPLEME)

Disclaimer (provided with this information by the compiling agencies):

This informat

ion is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.