

EG&G WAKEFIELD ENGINEERING -- DELTA BOND 152 BLUE -- 8040-01-118-1765

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

Product ID:DELTA BOND 152 BLUE

MSDS Date:10/26/1988

FSC:8040

NIIN:01-118-1765

Kit Part:Y

MSDS Number: BHBDD

=== Responsible Party ===

Company Name:EG&G WAKEFIELD ENGINEERING

Address:60 AUDUBON ROAD

City:WAKEFIELD

State:MA

ZIP:01880

Info Phone Num:(617) 245-5900

Emergency Phone Num:(617) 245-5900

Preparer's Name:DAVID F. HEGARTY

CAGE:92218

=== Contractor Ide

ntification ===

Company Name:EG & G WAKEFIELD ENGINEERING

Address:80 AUDUBON RD

Box:City:WAKEFIELD

State:MA

ZIP:01880

Country:US

Phone:617 245 5900

CAGE:05820

Company Name:EG&G WAKEFIELD ENGINEERING

Address:60 AUDUBON ROAD

City:WAKEFIELD

State:MA

ZIP:01880

Country:US

Phone:617-245-5900/FAX 617-246-0874

CAGE:92218

===== Composition/Information on Ingredients =====

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS
FORMS) (SARA III)

CAS:1344-28-1

RTECS #:B

D1200000
Fraction by Wt: 70-80%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:BISPHENOL A DIGLYCIDYL ETHER RESIN, EPOXY RESIN
CAS:25068-38-6
RTECS #:KC2100000
Fraction by Wt: 20-30%

Ingred Name:N-BUTYL GLYCIDYL ETHER (BGE)
CAS:2426-08-6
RTECS #:TX4200000
Fraction by Wt: 2-5%
Other REC Limits:25 PPM
OSHA PEL:50 PPM
ACGIH TLV:25 PPM; 9293

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

LD50 LC50 Mixture:ORAL LD50: 11.4 G/KG (RATS)
Routes of Entry: Inha
lation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: MAY CAUSE IRRITATION. EYE:
MODERATELY IRRITATING. SKIN: CAN CAUSE MODERATE IRRITATION.
PROLONGED EXPOSURE MAY RESULT IN SENSITIZATION. INGESTION: HARMFUL
IF SWALLOWED.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: MAY CAUSE IRRITATION. EYE/SKIN: CAN
CAUSE MODERATELY IRRITATING. SKIN: EXPOSURE MAY RESULT IN
SENSITIZATION
. INGESTION: HARMFUL IF SWALLOWED.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING
DIFFICULT; GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING; GET MED
ATT. EYE: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT LEAST 15
MINUTES. GET MED ATT. SKIN: WASH AFFECTED AREA W/SOAP& WATER. GET
MED ATT. IF IRRITATION PERSISTS. INGESTION: DILUTE W/WATER. GET
IMMEDIATE MED ATT.

===== Fire

Fighting Measures =====

Flash Point:>200F
Extinguishing Media:CO2, DRY CHEMICAL, FOAM, WATER FOG.
Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR SCBA. TOXIC VAPORS
MAY BE EVOLVED UPON EXPOSURE TO HEAT OR OPEN FLAME.
Unusual Fire/Explosion Hazard:CONSIDERABLE SMOKE & TOXIC SMOKE/VAPORS
MAY BE EVOLVED AS A RESULT OF UNCONTROLLED EXOTHERMIC REACTION.

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

Spill Release Procedures:WIPE UP, ABSORB RESIDUAL
MATERIAL
W/SAND/VERMICULITE/OTHER ABSORBENT MATERIAL. DIKE AREA/PREVENT
RUNOFF INTO DRAINS/SEWERS/WATERWAYS. SHOVEL/PUMP TO DRUM/SALVAGE
TANK. SCRAPE/SHOVEL ABSORBED WASTE/ABS ORBENT INTO CONTAINERS.
SCRUB W/SOAPY WATER/RINSE.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE; KEEP REMOVED
FROM ANY HEAT OR OPEN FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE.
DON'T INGEST OR SWALLOW THIS MATERIAL.
Other Precautions:PREVENT CONTACT WITH SKIN, EYES, OR CLOTHING. PREVENT
BREATHING OF VAPORS, MISTS, OR SPRAY.

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

Respiratory Protection:WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR
WHEN EXCEED TLV.
Ventilation:USE ONLY W/PROPER MECHANICAL EXHAUST VENTILATION.
Protective Gloves:PROTECTIVE
Eye Protection:GOGGLES
Work Hygienic Practices:REMOVE CONTAMINATED CLOTHING & WASH BEFORE
REUSING.
Supplemental Safety and Health

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

Vapor Pres:AIR
Spec Gravity:2.20
Solubility in Water:NEGLIGIBLE
Appearance and Odor:BLUE PASTE
Percent Volatiles by Volume:NEGL.

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS, AMINES, AMIDES, STRONG LEWIS OR MINERAL ACIDS,
THIOSULFATES, CARBOXYLIC ACIDS, ALCOHOL, MERCAPTANS.
Stability Condition to Avoid:REACTION BECOMES EXCESSIVE DUE TO H

IGH

CURING TEMPERATURE OR CURING OF LARGE MASSES OF MATERIAL.

Hazardous Decomposition Products:CO, CO2, OXIDES OF NITROGEN.

Conditions to Avoid Polymerization:STORAGE IN OPEN CONTAINERS, INTENSE
HEAT/OPEN FLAME, UNCONTROLLED MIXING W/INCOMPATIBLE SUBSTANCES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND
FEDERAL REGULATIONS.

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