

EG & G WAKEFIELD ENGINEERING -- A-4 HARDENER (WAKEFIELD) -- 8040-00-083-1811

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Product Identification  
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Product ID:A-4 HARDENER (WAKEFIELD)

MSDS Date:11/01/1988

FSC:8040

NIIN:00-083-1811

MSDS Number: BHHRZ

=== Responsible Party ===

Company Name:EG & G WAKEFIELD ENGINEERING

Address:60 AUDUBON ROAD

City:WAKEFIELD

State:MA

ZIP:01880-1203

Country:US

Info Phone Num:617-245-5900

Emergency Phone

Num:617-245-5900

Preparer's Name:DAVID F. HEGARTY

CAGE:05820

=== Contractor Identification ===

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

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Composition/Information on Ingredients  
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Ingred Name:DI(3-AMINOPROPYL) ETHER DIETHYLENE GLYCOL

CAS:4246-51-9

RTECS #:ID6475000

Fraction by Wt: >99%

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Hazards Identification  
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LD50 LC50 Mi

xture:LD50 (ORAL RAT) IS 4.3G/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:SEVERE EYE, SKIN & RESPIRATORY TRACT IRRITATION OR BURNS, CHEST DISCOMFORT, SYMPTOMS OF BRONCHITIS.

Medical Cond Aggravated by Exposure:NO DATA IS AVAILABLE FOR THIS PRODUCT MIXTURE.

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=== First Aid Measures =====

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. DILUTE WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:CC

Flash Point:280F,138C

Lower Limits:NOT EST.

Upper Limits:NOT EST.

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS TOXIC VAPORS.

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

Spill Release Procedures:SMALL SPILL: WIPE/SOAK UP WITH VERMICULITE OR INERT ABSORBENT. PUT IN DISPOSAL CONTAINER. SCRUB AREA WITH SOAP & WATER. LARGE SPILL: VENTILATE AREA. DIKE TO RETAIN RUN OFF. SHOVEL OR PUMP TO DRUM OR S ALVAGE CONTAINERS. SCRUB AREA WITH SOAPY WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handli

ng and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE & SOURCES OF HEAT.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Respira

tory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS REQUIRED. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:NEOPRENE, NITRILE, PVC RUBBER GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Pro

ective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:B3

Boiling Pt:B.P. Text:>480F,> 249C

Melt/Freeze Pt:M.P/F.P Text:NOT EST.

Vapor Pres:1

Spec Gravity:1.0

pH:9.4

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID - ODOR NOT SPECIFIED BY MANUFACTURER.

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, PEROXIDES, EPOXIDES, ACIDS.

Stability Condition to Avoid:STORAGE INOPEN CONTAINERS, HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Haza

rdous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,  
OXIDES OF NITROGEN.

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

Waste Disposal Methods: DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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