

EG & G WAKEFIELD ENGINEERING -- WAKEFIELD HARDENER A4 -- 8040-01-106-0036

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

Product ID:WAKEFIELD HARDENER A4
MSDS Date:06/12/1990
FSC:8040
NIIN:01-106-0036
Kit Part:Y
MSDS Number: BQDPM
=== Responsible Party ===
Company Name:EG & G WAKEFIELD ENGINEERING
Address:80 AUDUBON RD
City:WAKEFIELD
State:MA
ZIP:01880
Country:US
Info Phone Num:617 245 5900
Emergency Phone Nu
m:617 245 5900
Preparer's Name:DAVID F HAGERTY
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

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

Ingred Name:4,7,10-TRIOXATRIDECANE-1,13 DIAMINE
CAS:4246-51-9
RTECS #:ID6475000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED

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

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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYE: CORROSIVE, MAY CAUSE
BURNS, CORNEAL INJURY. IMPAIRMENT OF VISION/BLINDNESS. SKIN:
CORROSIVE, MAY CAUSE SEVERE BURNS AND BLISTERING. INHALATION:
VAPORS MAY CAUSE IRRITATION, NAUSEA AND HEAD ACHES. INGESTION:
HARMFUL.
Medical Cond Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PREEXISTING
SKIN EYE AND/OR RESPIRATORY D
ISORDERS. RESPIRATORY SENSITIZATION
RESPONSES IN SUSCEPTIBLE INDIVIDUALS.

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

First Aid:EYE: FLUSH EYES THOROUGHLY WITH WATER 15 MINS. SKIN: FLUSH
SKIN WITH WATER. CONTAMINATED LEATHER CANNOT BE DECONTAMINATED AND
SHOULD BE DESTROYED. INHALATION: MOVE TO FRESH AIR. PROVIDE OXYGEN
IF BREA THING IS DIFFICULT. ARTIFICIAL RESPIRATION IF NOT
BREATHING. INGESTION: DO NOT INDUCE VOMITING.

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

Flash Point:280F,138C
Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG
Fire Fighting Procedures:PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING
APPARATUS. COOL CONTAINERS WITH WATER. IF LARGE QUANTITIES,
EVACUATE AREA.
Unusual Fire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY
BE TOXIC. CLOSED CONTAINERS MAY VIOLENTLY RUPTURE UNDER FIRE
CONDITIONS.

===== Accidental Release Measures =====
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Spill Release Procedures:IN ACCORDANCE WITH OSHA 29 CFR 1910.120.
SMALL: EXHAUST VENTILATION. ABSORB MATERIAL WITH VERMICULITE.
LARGE: LIMIT ACCESS. EXHAUST VENTILATION. DIKE AREA, WASH AREA WITH
SOAPY WATER. TRANSFER ABSORBE D MATERIAL AND WATER RINSES TO WASTE
CONTAINERS.

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

Handling and Storage Precautions:STORE IN A COOL, DRY LOCATION WITH
ADEQUATE VENTILATION. KEEP CONTAINERS TIGHTLY CLOSED.

KEEP FROM
OPEN FLAMES AND HEAT SOURCES.

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

Ventilation:EXHAUST VENTILATION AWAY FROM THE WORKER AND PREVENT
ROUTINE INHALATION.

Protective Gloves:APPROPRIATE PROTECTIVE GLOVES

Eye Protection:CHEM SFTY GLASSES/GOGGLES/FACE SHIELD

Other Protective Equipment:CHEM RESISITANT APRON-ADDITIONAL IMPERVIOUS
CLOTHING. EMERGENCY EYE WASH FACILITIES & SAFETY SHOWER SHOULD BE
AVAILABLE

Work Hygienic Practices:WASH HANDS AND FA
CE THOROUGHLY AFTER HANDLING

THIS PRODUCT AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

KEY1:C2.

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

HCC:B3

Boiling Pt:B.P. Text:356F,180C

Vapor Pres:< 1 @ 25C

Spec Gravity:(WATER=1)> 1.0

Solubility in Water:SOLUBLE

Appearance and Odor:AMBER LIQUID, AMINE ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ACIDS, BASES

Stability Condition to Avoid:AVOID STORAGE IN OPEN CONTAINERS, EXPOSURE
TO OPEN FLAME, HEAT OR TO INCOMPATIBLE SUBSTANCES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
OXIDES OF NITROGEN

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

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

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