

EG&G WAKEFIELD ENGINEERING -- WAKEFIELD HARDENER A4 -- 8040-00-083-1811

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

Product ID:WAKEFIELD HARDENER A4

MSDS Date:06/12/1990

FSC:8040

NIIN:00-083-1811

MSDS Number: BQXRB

=== Responsible Party ===

Company Name:EG&G WAKEFIELD ENGINEERING

Address:60 AUDUBON ROAD

City:WAKEFIELD

State:MA

ZIP:01880

Country:US

Info Phone Num:617-245-5900

Emergency Phone Num:617-245-5000/800-424-9300 CHEMTREC

Preparer's Name:DAVID F HEGARTY

CAGE:922

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=== 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

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:4,7,10-TRIOXATRIDECANE 1,13-DIAMINE

CAS:4246-51-9

RTECS #:ID6475000

Fraction by W

t: 100%  
Other REC Limits:NONE SPECIFIED

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

Health Hazards Acute and Chronic:EYE: CORROSIVE, BURNS, CORNEAL INJURY. PERMANENT BLINDNESS. SKIN: CORROSIVE, SEVERE BURNS, BLISTERING. INHALATION: IRRITATION, NAUSEA, HEADACHES, RESPIRATORY SENSITIZATION RESPONSES (CHEST TIGHTNESS, ASTHMA-LIKE SYMPTOMS, RESPIRATORY DISTRESS). INGESTION: HARMFUL, MOUTH, UPPER

Effects of Overexposure:GASTROINTESTINAL TRACT.

Medical Cond

Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PREEXISTING SKIN, EYE AND/OR RESPIRATORY DISORDERS.

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

First Aid:EYE: IMMEDIATE FLUSH W/WATER 15 MIN, HOLDING EYELIDS OPEN. GET IMMEDIATE MED AID. SKIN: IMMEDIATE FLUSH W/PLENTY OF WATER, WHILE REMOVING CONTAM CLOTH/SHOES. FOLLOW WASHING W/SOAP & WATER. AVOID SCRUBBING (COULD INCREASE SKIN ABSORPTION/WORSEN EFFECT OF CHEM CONTACT). GET IMMEDIATE MED AID. DON'T REUSE CONTAM CLOTH TILL PROPERLY CLEANED. DESTROY CONTAM LEATHER ARTICLES (SHOES, ETC) AS CAN'T BE DECONTAMINATED.

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

Flash Point:280F,138C

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

Fire Fighting Procedures:WEAR POSITIVE PRESS SCBA, FULL PROTECT EQUIP. COOL EXPOSED CNTNR W/WATER TO PREVENT PRESSURE BLDUP. IF LRG QTY INVOLVED, EVACUATE AREA/FIGHT FIRE FROM DISTANCE.

Unusual Fire/Explosion Hazard:DECOMPO

SITION AND COMBUSTION PRODUCTS MAY

BE TOXIC. CLOSED CONTAINERS MAY VIOLENTLY RUPTURE UNDER FIRE CONDITIONS.

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

Spill Release Procedures:SMALL: VENT. WIPE UP/ABSORB W/VERMIC, ETC. WASH AREA W/SOAPY WATER TO REMOVE RESIDUE. COLLECT USED ABSORB & WATER RINSE IN CNTNRS. LRG: LIMIT ACCESS TO AREA. STOP SPILL AT SOURCE IF SAFE. VENT. DIKE TO CONTAIN SPILL, PREVENT RELEASE TO SEWERS,

Neutralizing Agent:N/K WATER

BODIES. COLLECT SPILLED MAT'L FOR  
SALVAGE/DISPOSAL IN CNTNRS.

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

Handling and Storage Precautions:PREVENT EYE CONTACT. STORE IN COOL,  
DRY LOCATION W/ADEQUATE VENT. KEEP CONTAINER TIGHTLY CLOSED WHEN  
NOT IN USE. KEEP AWAY FROM FLAMES/HEAT SOURCES.

Other Precautions:CONSULT PRODUCT TECHNICAL BULLETIN FOR STORAGE  
INFORMATION. USE CONDITIONS VARY, DEVELOP (KNOWLEGABLE PERSON) SAFE  
HANDLING PROCEDURES BASED ON USAG

E & EQUIPMENT. EMPLOYEES MUST BE  
TRAINED IN SAFE HAN DLING OF PRODUCT PRIOR TO USE.

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

Respiratory Protection:N/K INHAL: REMOVE TO FRESH AIR. PROVIDE OXYGEN  
IF BREATHING DIFFICULT. GIVE ARTIF RESPIRATION IF NOT BREATHING.  
GET IMMED MED AID. INGESTION: DON'T INDUCE VOMITING. IF ALERT, GIVE  
WATER TO DRINK. NEVE R ANYTHING BY MOUTH TO #

Ventilation:MECHANICAL EXHAUST VENT TO DRAW VAPOR/MIST/FUMES GENERATED  
DURING

PROCESSING AWAY FROM WORKER. KEEP EXPOSURE BELOW TLV.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:CHEM SAFETY GLASSES,SPLASH CHEM GOGGLES

Other Protective Equipment:IF NECESSARY, WEAR CHEMICAL RESISTANT APRON  
AND ADDITIONAL IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT/CLOTHING  
CONTAM ##

Work Hygienic Practices:WASH WORK CLOTHING BEFORE REUSE. WASH HANDS,  
FACE AFTER HANDLING PRODUCT, BEFORE EATING, DRINKING, SMOKING.

Supplemental Safety and Health

# DROWSY, UNC

ONSCIOUS OR CONVULSING PERSON. GET IMMED MED AID. ##

EMERGENCY EYE WASH FACILITIES AND SAFETY SHOWER SHOULD BE  
AVAILABLE.

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

HCC:N1

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

Vapor Pres: