

MAGNAFLUX CORPORATION -- ZE-4B ZYGLO EMULSIFIER -- 6850-01-266-4553

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

Product ID:ZE-4B ZYGLO EMULSIFIER

MSDS Date:01/29/1988

FSC:6850

NIIN:01-266-4553

MSDS Number: BGRZB

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W.LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656

Country:US

Info Phone Num:312-867-8000

Emergency Phone Num:312-867-8000

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reparer's Name:BRUCE C. GRAHAM

CAGE:37676

=== Contractor Identification ===

Company Name:ILLINOIS TOOL WORKS INC MAGNAFLUX DIV

Address:3624 WEST LAKE AVENUE

Box:City:GLENVIEW

State:IL

ZIP:60025

Country:US

Phone:847-657-5300/

CAGE:37676

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

Ingred Name:DISTILLATES (PETROLEUM),HYDROTREATED HEAVY NAPHTHENIC

CAS:64742-52-5

Fraction by Wt: >60.0%

Ingred Name:TERPINEOL,ALPHA-

CAS:98-55-5

RTECS #:WZ6700000

Fraction by Wt: 10.0%

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

Health Hazards Acute and Chronic:ACUTE:MAY IRRITATE EYE.SEE
OVEREXPOSURE SYMPTOMS.

Effects of Overexposure:INHALATION:NOT LISTED BY MANUFACTURER.
HOWEVER,FINE SPRAY/MIST MAY CAUSE IRRITATION TO BREATHING PASSAGES;
EYES: LIQUID/MIST CAUSES IRRITATION; SKIN:PROLONGED OR REPEATED
CONTACT CAUSES IRRITATION BY DISSOLVING SKIN OILS; INGESTION:NOT
NOTED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE SPECIFIED
BY THE MANUFACTURER.

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

First Aid:INHALATION:REMOVE TO FRESH AIR; SKIN:REMOVE CONTAMINATED
CLOTHES.WASH OFF PROMPTLY WITH SOAP AND WATER.USE SOOTHING
LOTION.GET MEDICAL HELP IF IRRITATION PERSISTS; EYES:IMMEDIATELY
RINSE EYES WITH COPIOUS AMOUNT OF WATER.GET MEDICAL ASSISTANCE IF
IRRITATION PERSISTS; INGESTION:NOT STATED BY MANUFACTURER.GET
MEDICAL ATTENTION IF INGESTED.

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

Flash Point Method:PMCC

Flash Point:>200F/>93C

Lower Limits:6.0

Upper Limits:1.0

Extinguishing Media:CARBON DIOXIDE,FOAM

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:WHEN INVOLVE IN COMBUSTION,MAY EMIT TOXIC
GASES AT OR ABOVE DECOMPOSITION TEMPERATURE.

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

Spill Release Procedures:REMOVE IGNITION SOURCES.SM QTY:WIPE UP OR MOP
UP BUT DO NOT

BREATHE VAPORS.PLACE RAGS IN CLOSED DRUMS; LG
QTY:WEAR PERSONAL SAFETY EQUIPMENTS.DIKE AREA FAR AHEAD.ABSORB
LIQUID WITH COMMERCIAL ABSORBENT.TRANSFER WASTE MATERIAL IN SALVAGE
TANKS.

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

Handling and Storage Precautions:STORE AWAY FROM HEAT SOURCES IN WELL
VENTILATED AREA.AVOID AGAINST PHYSICAL DAMAGE TO CONTAINERS.KEEP
CONTAINERS TIGHTLY CLOSED.

Other Precautions:DO NOT BREATHE VAPORS.DO NOT SMOKE WHILE USING.D

O NOT

HEAT ABOVE 130F(54C).AVOID FREQUENT OR PROLONGED SKIN CONTACT.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR FOR CONFINED AREAS.

Ventilation:GENERAL ROOM VENTILATION TO KEEP BELOW TLV LIMITS.

Protective Gloves:USE NITRILE RUBBER GLOVES IF NEEDED.

Eye Protection:FULL GOGGLES/SAFETY GLASSES W/SIDESHIELD

Other Protective Equipment:NOT KNOWN

Work Hygienic Practices:WASH OFF PROMPTLY WITH WATER.AVOID SKIN C

ONTACT.

Supplemental Safety and Health

NSN FOR KIT/SET OF MIL-I-25135D,TYPE II, METHOD B MATL;SET CONSISTS OF SKL-LO PENETRANT AND ZE-3 OR ZE-4B EMULSIFIER.THIS ENTRY FOR ZE-4B;QPL-25135-15 ALSO QUALIED ZE-3 & ZE-4B EMULSIFIERS FOR VARIOUS KITS TO GO WITH DIFFERENT PENETRANTS UNDER TYPE I, METHODS A,B,C,D & LEVELS 1,2,3,4;SEE OTHER PNI FOR OTHER PRODUCTS.

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

HCC:N1

Boiling Pt:B.P. Text:410F/210C

Vapor Pres:0.25@

100F

Vapor Density:>1.0

Spec Gravity:0.92

Solubility in Water:NEGLIGIBLE

Appearance and Odor:PINK OILY LIQUID

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

Stability Indicator/Materials to Avoid:YES

NOT KNOWN

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES.

Hazardous Decomposition Products:EMITS OXIDES OF CARBON WHEN BURNING.

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

Waste Disposal Methods:INCINERATE OR DISPOSE OF AS EPA HAZARDOUS WASTE

D001 (IGNITABLE WASTE),IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL,STATE, LOCAL REGULATIONS;IF LOCAL AUTHORITIES PROHIBIT
DUMPING RINSINGS DOWN THE SEWER, PURIFY RINSINGS WITH MAGNAFLUX
WASTEWATER.

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