

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

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Product Identification  
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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:312-867-800

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Preparer'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

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Composition/Information on Ingredients  
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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  
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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 SPECI  
FIED BY THE MANUFACTURER.

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First Aid Measures  
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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 COP IOUS AMOUNT OF WATER.GET MEDICAL ASSISTANCE IF  
IRRITATION PERSISTS; INGESTION:NOT STATED BY MANUFACTURER.GET  
MEDICAL ATTENTION IF INGESTED.

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Fire Fig  
hting Measures  
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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.

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Accidental Release Measures  
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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 ABSORBEN T.TRANSFER WASTE MATL IN SALVAGE  
TANKS.

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Handling and Storage  
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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 USIN

G.DO NOT

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

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===== 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

CONTACT.

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.

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===== 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

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===== 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.

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===== 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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