

MAGNAFLUX CORPORATION -- ZE-4B ZYGLO EMULSIFIER -- 6850-01-266-4555

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

Product ID:ZE-4B ZYGLO EMULSIFIER

MSDS Date:01/29/1988

FSC:6850

NIIN:01-266-4555

MSDS Number: BGRZN

=== 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

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

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

Ingred Name:DISTILLATES (PETROLEUM),HYDOTREATED HEAVY NAPHTHENIC

CAS:64742-52-5

RTECS #:PY8035000

Fraction by Wt: >60.0%

Ingred Name:TERPINEOL,ALPHA-

CAS:98-55-5

RTECS #:WZ6700000

Fraction by

Wt: 10.0%

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

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

Health Hazards Acute and Chronic:ACUTE:MAY IRRITATE EYES.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 DI SSOLVING  
SKIN OILS; INGESTION:NOT NO

TEDBY 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 COP IOUS 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 Procedu

res:REMOVE IGNITION SOURCES.SM QTY:WIPE UP OR MOP

BUT DO NOT BREATHE VAPORS.PLACE RAGS IN CLOSED DRUMS; LG QTY:WEAR  
PERSONAL SAFETY EQUIPMENTS.DIKE AREA FOR AHEAD.ABSORB LIQUID WITH  
COMMERCIAL ABSORBENT.T RANSFER WASTE MATL IN SALVAGE TANKS.

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

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

Other P

recautions:DO NOT BREATHE VAPORS.DO NOT SMOKE WHILE USING.DO 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 Hygie

nic 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 QUALIFIED ZE-3 & ZE-4B EMULSIFIERS FOR VARIOU S 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,P URFIY RINSINGS WITH MAGNAFLUX  
WASTEWATER.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied,  
warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.