

MAGNAFLUX CORPORATION -- ZE-3 ZYGLO EMULSIFIER -- 6850-00-782-2738

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

Product ID:ZE-3 ZYGLO EMULSIFIER

MSDS Date:06/22/1989

FSC:6850

NIIN:00-782-2738

MSDS Number: BFPNK

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W.LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone Num:807-867-8000

Emergency Phone Num:807-867-800

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Preparer's Name:BRUCE C. GRAHAM, CH. CHEM

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:MINERAL OIL (EXPOSURE REGULATED AS 'OIL MIST')

CAS:8012-95-1

RTECS #:PY8030000

Fraction by Wt: 50.0%

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3/10 STEL;9192

Ingred Name:UNIDEN

TIFIED COMPONENTS

Fraction by Wt: 50.0%

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

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 IRRITATE BREATHING PASSAGES; EYES:
LIQUID/MIST CAUSES IRRITATION; SKIN: PROLONGED OR REPEATED CONTACT
CAUSES IRRITATION BY DISSOLVIN G SKIN OILS; INGESTION: CAUSES
GASTRIC UPSET.

Medical Cond A

ggravated 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 & WATER.USE SOOTHING LOTION.GET
MEDICAL HELP IF IRRITATION PERSISTS; EYES: IMMEDIATELY RINSE EYES
WITH CO PIOUS AMOUNT OF WATER.GET MEDICAL ASSISTANCE IF IRRIT ION
PERSISTS; INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION
IF INGESTED.

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

Flash Point Method:PMCC

Flash Point:325F/163C

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.SMALL SPILL:WIPE UP OR
MOP UP BUT DO

NOT BREATHE VAPORS.PLACE RAGS IN CLOSED DRUMS; LARGE
SPILL: WEAR PERSONAL SAFETY EQUIPMENTS.DIKE AREA FAR AHEAD.ABSORB
LIQUID WITH COMMERCIAL ABSORBENT.TRANSFER WASTE MATL 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 WHIL

E 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 Hygienic Practices:WASH OFF PROMPTLY WITH WATER.AVOID SK
IN

CONTACT.

Supplemental Safety and Health

NSN IS FOR TYPE II,METHOD B OF MIL-I-25135D;THIS ENTRY DESCRIBES ZE-3
EMULSIFIER AS SINGLE ITEM OF TYPE II,METH B;ZE-3 ALSO GOES WITH
SKL-LO PENETRANT AS A PART OF KIT UNDER ABOVE TYPE/METHOD;QPL-2513
5-15 ALSO QUALIFIED THIS PRODUCT TO GO WITH SEVERAL OTHER
PENETRANTS IN VARIOUS KITS OF TY I,METH A/B/C/D & LVL 1/2/3/4.

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

HCC:N1

Boiling Pt:B.P. Text:>450F/>232C

Vapo

r Pres:0.3 @ 100F

Vapor Density:>1.0

Spec Gravity:0.945

pH:8.0

Solubility in Water:NEGLIGIBLE

Appearance and Odor:VISCOUS PINK LIQUID

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

Stability Indicator/Materials to Avoid:YES

NONE STATED BY MANUFACTURER

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES

Hazardous Decomposition Products:EMITS OXIDES OF CARBON IF 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.

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