

MAGNAFLUX CORPORATION -- ZE-3 ZYGLO EMULSIFIER -- 6850-01-268-6710

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

Product ID:ZE-3 ZYGLO EMULSIFIER

MSDS Date:06/22/1989

FSC:6850

NIIN:01-268-6710

MSDS Number: BGSDM

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W LAWRENCE AVE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone Num:708-867-8000

Emergency Phone Num:708-867-8000

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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: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:"NOT HAZARDOUS" ING

REDIENTS

Fraction by Wt: 50%

Other REC Limits:NONE ESTABLISHED

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

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA: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 IRRITATIO

N;
SKIN:PROLONGED OR REPEATED CONTACT CAUSES IRRITATION BY DI SSOLVING
SKIN OILS; INGESTION:NOT NOTEDBY 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 AMO

UNT 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: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.

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== 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 ABSORBEN T.TRANSFER WASTE MATL IN SALVAGE
TANKS.

Neutralizing Agent:NOT LISTED.

===== 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.DO NOT
HEAT ABOVE 130F(54C).AVOID FREQUENT OR PROLONGED SKIN CONTACT.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR IN CONFINED AREAS.

Ventilation:GENERAL ROOM VENTILATION TO KEEP LEVELS BELOW TLV LIMITS.

Protective Gloves:IF NEEDED,USE NITRILE RUB
BER GLOVES.

Eye Protection:FULL GOGGLES OR SAFETY GLASSES W/SHIELDS

Other Protective Equipment:NOT KNOWN.

Work Hygienic Practices:WASH OFF PROMPTLY WITH WATER.AVOID SKIN
CONTACT.LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

NSN FOR TYPE I,METHOD B,LEVEL 2 OF MIL-I-25135D;MFR MAY SUPPLY EITHER
ZE-3 OR ZE-4B EMULSIFIER FOR THIS NSN AS SINGLE ITEM;QPL-25135-15
HAS QUALIFIED THESE TWO EMULSIFIERS FOR OTHER TYPES,METHODS AND
LEVELS OF MIL-I-25135D AS SINGL
E ITEM &AS PART OF SEVERAL KITS;THIS
ENTRY IS OF ZE-3 EMULSIFIER(TY I,METH B,LVL 2 ITEM)

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

HCC:N1

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

Vapor Pres:0.3@100F

Vapor Density:>1.0

Spec Gravity:0.75

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 Conditio

n to Avoid:HEAT,HIGH TEMPERATURE.

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.PER MFR,IF LOCAL AUTHORITIES PROHIBIT DUMPING RINSINGS DOWN SE WER,PURIFY RINSINGS W/MAGNAFLUX TREATMTSYSTEM.

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