

MAGNAFLUX CORPORATION DIV ILLINOIS TOOL WORKS INC -- ZYGLO EMULSIFIER ZE-4B --
6850-01-268-6712

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

Product ID:ZYGLO EMULSIFIER ZE-4B

MSDS Date:05/03/1996

FSC:6850

NIIN:01-268-6712

MSDS Number: CDKQT

==== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION DIV ILLINOIS TOOL WORKS INC

Address:7300 W LAWRENCE AVE

City:CHICAGO (NOW GLENVIEW, ILL)

State:IL

ZIP:600

25

Country:US

Info Phone Num:847-657-5300 FAX: 847-657-5388

Emergency Phone Num:847-657-5300(CHEMTREC 800-424-9300)

Preparer's Name:CHERYL A. ZELEZNIK

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 =====

Ingred Name:MINERAL OIL,HYDROTREATED (SEVERE), HEAVY NAPHTHENIC
DISTI

LLATE

CAS:64742-52-5

RTECS #:PY8035001

Fraction by Wt: 60-100%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALCOHOLS, (C11-C16) SECONDARY, ETHOXYLATED OR SECONDARY
ETHOXYLATED FATTY ALCOHOLS

CAS:68131-40-8

RTECS #:WZ5200000

Fraction by Wt: 1-30%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALPHA TERPINEOL OR 3,CYCLOHEXANE-1-METHANOL, 4-TRIMETHYL

CAS:98-55-5

RTECS #:WZ6700000

Fraction by Wt: 10-30%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALCOHOLS (C12-C18), ETHOXYLATED, PROPOXYLATE

D OR

ALKOXYLATED FATTY ALCOHOL

CAS:69227-21-0

Fraction by Wt: 6-10%

Other REC Limits:NONE RECOMMENDED

Ingred Name:NONYLPHENOL POLYETHOXATE

CAS:9016-45-9

RTECS #:MD0900000

Fraction by Wt: 3-7%

Other REC Limits:NONE RECOMMENDED

Ingred Name:N-(2-HYDROXYPROPYL)-9-OCTADECAMIDE,

CAS:111-05-7

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:NO

Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:SKIN CONTACT CAN IRRITATE BY REMOVING NATURAL SKIN OILS ON PROLONGED OR REPEATED EXPOSURE. EYE CONTACT MAY CAUSE IRRITATION. INHALATION IS NOT A SIGNIFIGANT HEALTH HAZARD AT ROOM TEMPERATURES. INGESTI ON IS NOT A SIGNIFIGANT HEALTH HAZARD IN SMALL AMOUNTS.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN PER MANUFACTURER.

Effects of Overexposure:SKIN-IRRITATION. EYES-IRRITATION.

Medical Cond Aggravated by Exposure:NONE.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN-WASH WITH SOAP AND WATER. USE SOOTHING LOTION. EYE-RINSE CAREFULLY UNDER UPPER & LOWER EYELIDS USING PLENTY OF WATER. INHALED: REMOVE TO FRESH AIR IF DI ZZY OR NAUSEATED. INGESTED: DO NOT INDUCE VOMITING! IN SEVERE

CASES (MORE THAN SMALL MOUTHFUL), CALL DOCTOR OR POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:>200F,>93C

Lower Limits:1

Upper Limits:6

Extinguishing Media:CARBON DIOXIDE,FOAM.KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT SPRAY WATER DIRECTLY ON PRODUCT;IT WILL FLOAT & SPREAD.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:AEROSOL CANS MAY RUPTURE AND RELEASE FLAMMABLE LIQUIDS AND/OR GASES IF EXPOSED TO HEAT ABOVE 130F (54C).

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

Spill Release Procedures:MOP OR SWEEP UP WITH ABSORBENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM HEAT AT SOURCE. AVOID EYE

CONTACT. AVOID REPEATED OR PROLONGED SKIN CONTACT.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NONE NORMALLY REQUIRED.

Ventilation:NONE NORMALLY REQUIRED.

Protective Gloves:NITRILE.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER. DLA-HMIS: EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BE

FORE EATING,
DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health
MSDS PRESENTED BY CAGE 37676 FOR CONTRACT NUMBER SP0450-97-MM891.

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

HCC:N1
Boiling Pt:B.P. Text:455F,235C
Vapor Pres:0.1
Vapor Density:>1
Spec Gravity:0.92
pH:7
Evaporation Rate & Reference:NEGLIGIBLE
Solubility in Water:NEGLIGIBLE
Appearance and Odor:PINK, VISCOUS LIQUID; MILD PINE ODOR.
Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
NONE.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:SOOT, OXIDES OF CARBON IF HEATED TO
COMBUSTION TEMPERATURES.

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

Waste Disposal Methods:AS A NON-HAZARDOUS WASTE, INCINERATE OR SEND TO
WASTE HANDLER WHO CAN BLEND SECONDARY FUELS.

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