

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

===== 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:60025

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

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

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

TE

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, PROPOXYLATED O

R

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

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:NO Skin

n: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 SUSPEC  
TED CARCINOGEN PER  
MANUFACTURER.

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

Medical Cond Aggravated by Exposure:NONE.

===== 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 CAS

ES (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  
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 BEFOR

E 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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