

MAGNAFLUX CORPORATION -- ZR-10B REMOVER (HYDROPHILIC EMULSIFIER) -- 6850-01-264-0837

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

Product ID:ZR-10B REMOVER (HYDROPHILIC EMULSIFIER)

MSDS Date:07/17/1986

FSC:6850

NIIN:01-264-0837

Kit Part:Y

MSDS Number: BHQFP

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W.LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone N

um:708-867-8000

Emergency Phone Num:708-867-8000

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:HEXYLENE GLYCOL

CAS:107-41-5

RTECS #:SA0810000

Fraction by Wt: 35.0%

OSHA PEL:C 25 PPM

ACGIH TLV:C 25 PPM; 9192

Ingred N

ame:"NOT HAZARDOUS"(MANUFACTURER STATED IN MSDS THAT ITEM
CONTAINS NO HAZARDOUS INGREDIENTS ACCORDING TO 29CFR1910.2000;HCR
Other REC Limits:NOT STATED IN MSDS
OSHA PEL:NOT KNOWN

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:IRRITATES EYES.
Effects of Overexposure:INHALATION:CAUSES DIZZINESS,DROWSINESS,NAUSEA;
SKIN:LIQUID IRRITATES BY DISSOLVING SKIN OIL; EYES:VAPORS/LIQUID

CAUSES IRRITATION; INGESTION:NOT LISTED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:INHALATION:REMOVE TO FRESH AIR.IF BREATHING IS DIFFICULT,GIVE
OXYGEN; SKIN:REMOVE CONTAMINATED CLOTHES.WASH OFF WITH FLOWING
WATER.USE SOOTHING LOTION.IF IRRITATION PERSISTS,GET MEDICAL ATTN;
EYES:IMM EDIATELY RINSE/FLUSH WITH COPIOUS AMOUNT OF RUNNING
WATER,AND GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC
Flash Point:200F/ 93C
Extinguishing Media:CARBON DIOXIDE,FOAM,WATER
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.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.

===== 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:WEAR A RESPIRATOR WITH CHEMICAL CARTRIDGE. IN
CONFINED AREAS,WEAR A FULL MASK WITH SEPARATE AIR SUPPLY.

Ventilation:GENERAL VENTILATION TO KEEP BELOW TLV LIMITS.

Protective Gloves:NITRILE RUBBER GLOVES

Eye Protection:FULL GOGGLES

Other Protective Equipment:EITHER USE IN A SPRAY BOOTH OR NEXT TO AN
EXHAUST VENT.

Work Hygienic Practic

es:WASH THOROUGHLY AFTER HANDLING.LAUNDER
CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

NSN FOR SET/KIT OF TYPE I,METHOD D,LEVEL 3 OF MIL-I-25135E;SET MAY
CONSIST OF ZL-27A OR ZL-22D PENETRANT AND ZR-10A OR ZR-10B
EMULSIFIER OF 20% CONCENTRATION AS SPECIFIED IN
QPL-25135-15;ZR-10A/ZR-10B REMOVER IS WATER SOLUBLE(HYDROPHILIC)
EMULSIFIER;THIS ENTRY DESCRIBES ZR-10B REMOVER.KEY1:N1.SEE OTHR PNI
FOR PENETRNT.

===== Physical/Chemical Properti
es =====

HCC:N1

Boiling Pt:B.P. Text:400F/204C

Vapor Pres:0.3 @100F

Vapor Density:1.0

Spec Gravity:0.9

pH:7.0

Solubility in Water:COMPLETE

Appearance and Odor:PINK OILY LIQUID

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

Stability Indicator/Materials to Avoid:YES

NOT KNOWN TO MFR

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES

Hazardous Decomposition Products:EMITS OXIDES OF CARBON AND NITROGEN.

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

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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 URIFY RINSINGS WITH MAGNAFLUX WASTEWATER SYSTEM.

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