

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.

=====

=====  
===== 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 =====

=====

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.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.