

MAGNAFLUX CORPORATION -- ZR-10A REMOVER (HYDROPHILIC EMULSIFIER) -- 6850-01-266-4550

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

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

MSDS Date:05/28/1986

FSC:6850

NIIN:01-266-4550

MSDS Number: BGRYM

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W. LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656

Country:US

Info Phone Num:312-867-8000

Emergency Phone Num:312-867-8000

Preparer'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:2-(2-BUTOXYETHYL) ETHANOL

CAS:112-34-5

RTECS #:KJ9100000

Fraction by Wt: 200F/>93C

Extinguishing Media:CARBON DIOXIDE,FOAM,WATER.

Fire Fighting Pr

cedures: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 ABSORBENT.TRANSFER WASTE MATERIAL  
N 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 350PPM LIMIT.  
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 Practices:WASH THOROUGHLY AFTER HANDLING PRODUCT. LAUNDER  
CONTAMINATED CLOTHES BEFORE REUSE.  
Supplemental Safety and Health  
NSN FOR SET/KIT OF MIL-I-25135D, TYPE I,M  
ETHD D,LEVEL 4;SET MAY CONSIST  
OF ZL-30B OR ZL-37 PENETRANT AND ZR-10A OR ZR-10B EMULSIFIER OF 20%  
CONCENTRATION AS SPECIFIED IN QPL-25135-15;ZR-10A/ZR-10B REMAINS  
HYDROPHILIC EMULSIFIER;THIS ENTRY OF ZR-10A;ALSO AVAILABLE AS  
INDEPENDENT ITEM;KEY1:N1;FOR PENETRANTS,SEE PNI A & B

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

HCC:N1  
Boiling Pt:B.P. Text:400F/204C  
Vapor Pres:1.0  
Spec Gravity:0.9  
pH:7.0  
Solubility in Water:COMPLETE  
Appearance and Odor:PINK O

ILY 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.

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