

MAGNAFLUX CORPORATION -- ZR-10A REMOVER (HYDROPHILIC EMULSIFIER) -- 6850-01-263-8227

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

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

MSDS Date:05/28/1986

FSC:6850

NIIN:01-263-8227

MSDS Number: BGRQL

=== 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 Pro

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 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 R
ESPIRATOR 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 Practices:WASH THOROUGHLY AFTER HANDLING.LAUNDER
CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health
NSN FOR SET/KIT OF TYPE I,METHOD D,LEVEL 1 UNDER MIL-I
-25135D;SET
CONSISTS OF ZL-1D PENETRANT AND ZR-10A OR ZR-10B REMOVER;
QPL-25135-15 HAS SPECIFIED THAT 20% CONCENTRATION OF ZR-10A/ZR-10B
REMOVER IS TO BE USED AS EMULSIFIER WITH THE PENETRANT; THIS ENTRY
DESCRIBES ZR-10A REMVER (HYDROPHILIC EMULSIFIER).KEY1:N1.

===== 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 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 AUTHORIT
IES PROHIBIT

DUMPING RINSINGS DOWN THE SEWER, PURIFY 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.