

MAGNAFLUX CORPORATION -- ZR-10A REMOVER (HYDROPHILIC EMULSIFIER) -- 6850-01-268-6714

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

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

MSDS Date:05/28/1986

FSC:6850

NIIN:01-268-6714

MSDS Number: BGSDX

=== 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 Proc

edures: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 Practices:WASH THOROUGHLY AFTER HANDLING.LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

NSN FOR TYPE I,METHOD D, LEVEL 1 OF MIL-I-25135;QPL-251
35-15 HAS

QUALIFIED ZR-10A FOR TYPE I,METH D,LEVELS 1,2,3,& 4;THIS PRODUCT IS HYDROPHILIC EMULSIFIER;THIS PRODUCT IS ALSO AVAILABLE IN SETS WITH SEVERAL PENETRANTS;ZR-10A OR ZR-10B IS NOT REMOVER BUT WATER SOLUBLE EMULSIFIER.

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

HCC:V5

Boiling Pt:=204.4C, 400.F

Vapor Pres:1.0

Spec Gravity:0.9

pH:7.0

Solubility in Water:COMPLETE

Appearance and Odor:PINK OILY LIQUID

=====
Stability and Reactivity Dat
=====

a =====

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, 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.