

MAGNAFLUX CORPORATION -- ZR-10B REMOVER (HYDROPHILIC EMULSIFIER) -- 6850-01-266-4548

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

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

MSDS Date:07/17/1986

FSC:6850

NIIN:01-266-4548

Kit Part:Y

MSDS Number: BGRYG

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W.LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone N

um: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:HEXYLENE GLYCOL

CAS:107-41-5

RTECS #:SA0810000

Fraction by Wt: 65.0%

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

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Health Hazards Acute and Chronic:IRRITATES YES.
Explanation of Carcinogenicity:PER MFR,CONTAINS NO KNOWN OR SUSPECTED
CARCINOGEN LISTED WITH OSHA.
Effects of Overexposure:NOT KNOWN.
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 PERSI
STS,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.

===== Acci
dental 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 GL

OVES
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 MIL-I-25135D, TYPE I,METH D,LEVL 2;SET MAY CONSIST OF ZL-2C,OR ZL-2D PENETRANT AND ZR-10A OR ZR-10B EMULSIFIER OF 20% CONCENTRATION AS SPECIFIED IN QPL-25135-15;ZR-10A/ZR-10B REMVR IS HYDROPHILIC EMULSIFIER;THIS EN TRY OFZR-10B;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 OILY LIQUID

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

Stability Indicator/Materials to Avoid:YES
NOT KNOWN TO MFR.
Stability Condition to Avoid:HEAT,HIGH TEMPERATURES
Hazardous Dec
omposition 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.

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mation 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.