

MAGNAFLUX CORPORATION -- ZL-30B ZYGLO PENETRANT -- 6850-01-263-8225

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Product Identification  
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Product ID:ZL-30B ZYGLO PENETRANT  
MSDS Date:11/19/1986  
FSC:6850  
NIIN:01-263-8225  
Kit Part:Y  
MSDS Number: BGRPW  
=== Responsible Party ===  
Company Name:MAGNAFLUX CORPORATION  
Address:7300 W.LAWRENCE AVENUE  
City:CHICAGO  
State:IL  
ZIP:60656-3504  
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

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Composition/Information on Ingredients  
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Ingred Name:LUBRICATING OIL(PETROLEUM),CLAY TREATED (MINERAL OIL-CLAY TREATED)  
CAS:64742-50-3  
Fraction by Wt: 10.0%

Ingred Name:KEROSENE  
CAS:8008-20-6  
RTECS #:OA5500000  
Fr

action by Wt: 05.0%  
ACGIH TLV:100MG/CUM

Ingred Name:DISTILATES(PETROLEUM),CATALYTIC REFORMER FRACTIONATER  
RESIDUE,LOW BOILING  
CAS:68477-31-6  
Fraction by Wt: 30.0%  
OSHA PEL:5MG/CUM FOR OIL MIST  
ACGIH TLV:5MG/CUM FOR OIL MIST

Ingred Name:UNIDENTIFIED COMPONENTS  
Fraction by Wt: 55.0%

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Health Hazards Acute and Chronic:IRRITATES EYES.  
Effects of Overexposure:INHALATION:CAU  
SES DIZZINESS,DROWSINESS,NAUSEA;  
SKIN:LIQUID IRRITATES BY DISSOLVING SKIN OIL; EYES:VAPORS/LIQUID  
CAUSES IRRITATION.  
Medical Cond Aggravated by Exposure:NOT KNOWN.

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===== 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.

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===== Fire Fighting Measures =====

Flash Point Method:PMCC  
Flash Point:>200F/>93C  
Extinguishing Media:CARBON DIOXIDE,FOAM.  
Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:WHEN INVOLVE IN COMBUSTION,MAY CAUSE  
TOXIC GASES AT OR ABOVE DECOMPOSITION TEMPERATURE.

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===== Accidental Release Measures =====

Spill Release Procedures:REMOV

E 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.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 Pr

cautions: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 RESPIRATOR WITH CHEMICAL CARTRIDGE IF USING  
IN POORLY VENTILATED AREA.AVOID BREATHING VAPOR OR SPRAY MIST.

Ventilation:GENERAL VENTILATION TO KEEP BELOW LIMITS OF TLV.

Protective Gloves:NITRILE GLOVES IF USING FREQUENTLY.

Eye Protection:FULL GOGGLES WHEN SPRAYING OR  
POURING.

Other Protective Equipment:USE IN SPRAY BOOTH OR WHERE VENTILATION IS  
ADEQUATE TO CARRY VAPORS & OVERSPRAY FROM OCCUPIED AREAS.

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

Supplemental Safety and Health

ITEM IS A 2 PARTS SET;UNDER QPL-25135-15 OF MIL-I-25135D,THE KIT OF  
TYPE I,METHOD B,LEVEL 4 MAY CONSIST OF ZL-30B,ZL-37,OR ZL-38  
PENETRANT AND ZE-3 OR ZE-4B EMULSIFIER;SEE PNI D & E FOR EMULSIFIER  
DAT A;KEY1:N1;THI

S ENTRY DESCRIBES ZL-30B;SEE PNI B & C FOR OTHER  
QUALIFIED PENETRANTS FOR THIS NSN.

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

HCC:N1

Boiling Pt:B.P. Text:410F/210C

Vapor Pres:1.0

Spec Gravity:0.96

Solubility in Water:NEGLIGIBLE

Appearance and Odor:GREEN OILY LIQUID.

Percent Volatiles by Volume:5%

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN.

Stability Condition to Avoid:HEAT,HIGH TEMPE

RATURES.

Hazardous Decomposition Products:EMITS OXIDES OF CARBON AND NITROGEN ON COMBUSTION.

===== 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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