

MAGNAFLUX CORPORATION -- ZL-30B ZYGLO PENETRANT -- 6850-01-263-7245

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Product Identification
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Product ID:ZL-30B ZYGLO PENETRANT
MSDS Date:11/19/1986
FSC:6850
NIIN:01-263-7245
MSDS Number: BGRNB
=== 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
Fraction by

Wt: 05.0%
ACGIH TLV:100 MG/CUM

Ingred Name:DISTILATES(PETROLEUM),CATALYTIC REFORMER FRACTIONATER
RESIDUE,LOW BOILING
CAS:68477-31-6
Fraction by Wt: 30.0%
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:CAUSES DIZZINESS,DROWSINESS,NAUSEA;
SK
IN: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 MED
ICAL 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 EMIT TOXIC
GASES AT OR ABOVE DECOMPOSITION TEMPERATURE.

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===== 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.T.TRANSFER WASTE MATERIAL IN SALVAGE TANKS.

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===== 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.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR FOR CONFINED AREAS.

Ventilation:GENERAL ROOM VENTILATION TO KEEP BELOW TLV LIMITS.

Protective Gloves:USE NITRILE RUBBER GLOVES IF NEEDED.

Eye Protection:FULL GOGGLES/SAFETY GLASSES W/SIDESHIELD

Other Protective Equipment:NOT KNOWN.

Work Hygienic Practices:WASH OFF PROMPTLY WITH WATER.AVOID SKIN CONTACT.

Supplemental Safety and Health

NSN OF MIL-I-25135,TYPE I,METHOD C,LEVEL4;PER QPL-25135-15,MAGNAFLUX MAY SUPPLY ONE OF THE FOLLOWING PENETRANTS FOR TYPE I,METHOD C,LEVEL 4 UNDER THIS NSN:ZL-56,ZL-38,ZL-37,OR ZL-30B;THIS ENTRY DESCRIBES ZL-30B;PRODUCT NOT AVAILABLE IN AEROSOL CANS.SEE OTHER PNI OF THIS NSN FOR MORE QUALIFIED ITEMS.

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===== 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 LIQUID.

Percent Volatiles by Volume:5%

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN.

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES.

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

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===== 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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