

MAGNAFLUX CORPORATION -- ZL-37 ZYGLO PENETRANT -- 6850-01-263-8224

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Product Identification  
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Product ID:ZL-37 ZYGLO PENETRANT

MSDS Date:07/17/1986

FSC:6850

NIIN:01-263-8224

Kit Part:Y

MSDS Number: BGRPR

=== 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:DISTILLATES(PETROLEUM),HYDROTREATED MIDDLE

CAS:64742-46-7

RTECS #:JN9379645

Fraction by Wt: 10.0%

Ingred Name:KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt:

05.0%  
ACGIH TLV:100MG/CUM

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Hazards Identification  
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Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Health Hazards Acute and Chronic:IRRITATES EYES.  
Effects of Overexposure:INHALATION:CAUSES 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  
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First Aid:INHALATIO  
N: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  
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Flash Point Method:PMCC  
Flash Point:>200F/>93C  
Extinguishing Media:CARBON DIOXIDE,FOAM  
Fire Fighting Procedures:KEEP CONTAINERS COOL WIT  
H 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  
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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.

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Handling and Storage  
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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  
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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 KIT;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;THIS ENTRY DESCRIBES ZL-37;ALSO SEE PNI A & C FOR OTHER QUALIFIED PENETRANTS FOR THE NSN.

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Physical/Chemical Properties  
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HCC:N1

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

Vapor Pres:1.0

Spec Gravity:0.96

Solubility in Water:NEGLIGIBLE

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Appearance and Odor:GREEN OILY LIQUID

Percent Volatiles by Volume:5%

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Stability and Reactivity Data  
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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  
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Waste Disposal Methods:INCINERATE OR DISPOSE OF AS EPA HAZARDOUS WASTE D001 (IGNITABLE WASTE),I

N ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE, LOCAL REGULATIONS.

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