

MAGNAFLUX CORPORATION -- ZL-38 ZYGLO PENETRANT -- 6850-01-263-7245

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Product Identification  
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Product ID:ZL-38 ZYGLO PENETRANT

MSDS Date:04/10/1986

FSC:6850

NIIN:01-263-7245

MSDS Number: BGRND

=== 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:312-867-8

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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:PARAFFIN OILS(PETROLEUM),C5-C20

CAS:64771-72-8

Fraction by Wt: 20.0%

Other REC Limits:300PPM

Ingred Name:UNIDENTIFIED COMPONENTS

Fraction by Wt: 80.0%

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Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA: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; INGESTION:NOT LISTED BY MFR.  
Medical Cond Aggravated by Exposure:NOT KNOWN.

===== First Aid Measures =====  
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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; INGESTION:GET MEDICAL HELP.

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

Flash Point Method:PMCC  
Flash Point:>200F/>93C  
Extinguishing Media:CARBON DI  
OXIDE,FOAM.  
Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT  
SPRAY WATER ON BURNING ZL-38.  
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 IN CLOSED DRUMS; LG QTY:WEAR  
PERSONAL SAFETY EQUIPMENTS.DIKE AREA FAR AHEAD.ABS  
ORB LIQUID WITH  
COMMERCIAL ABSORBENT.TRA NSFER 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/Persona

I 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:WASH OFF PROMPTLY WITH WATER.AVOID SKIN CONTACT.

Supplemental Safety and Health

NSN OF MIL-I-25135D,TYPE I,METHOD C,LEVEL 4;PER QPL-25135-15,MAGNAFLUX CORP MAY SUPPLY ONE OF THE FOLLOWING PENETRANTS FOR TYPE I,METHOD C,LEVEL 4 NSN:ZL-30B, ZL-37,ZL-38,OR ZL-56;THIS ENTRY DESCRIBES ZL-38;PRODUCT NOT AVAILABLE IN AEROSOLCANS;SEE OTHER P/N IND OF THIS NSN FOR OTHER QUALIFIED ITEMS.

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

HCC:N1

Boiling Pt:B.P. Text:410F/2

10C

Vapor Pres:1.0

Spec Gravity:0.92

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 TEMPERATURES.

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

===== Disposal Considerations =====

Waste Disposal Methods:INC

INERATE OR DISPOSE OF AS EPA HAZARDOUS WASTE  
D001 (IGNITABLE WASTE),IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL,STATE,LOCAL REGULATIONS.

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