

MAGNAFLUX CORPORATION -- ZL-2C ZYGLO PENETRANT -- 6850-01-265-2741

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Product Identification  
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Product ID:ZL-2C ZYGLO PENETRANT

MSDS Date:04/04/1986

FSC:6850

NIIN:01-265-2741

MSDS Number: BGRWR

=== 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:DISTILATES(PETROLEUM),CATALYTIC REFORMER FRACTIONATER  
RESIDUE,LOW BOILING

CAS:69477-31-6

Fraction by Wt: 10.0%

Ingred Name:KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fractio

n by Wt: 15.0%  
ACGIH TLV:100MG/CUM

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Hazards Identification  
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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 MANUFACTURER.  
Medical Cond Aggravated by Exposure:NOT KNOWN.

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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.

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Fire Fighting Measures  
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Flash Point Method:PMCC  
Flash Point:200F/93.3C  
Lower Limits:6.0%  
Upper Limits:1.0%  
Extingui  
shing 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  
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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  
LIQUI  
D WITH COMMERCIAL ABSORBE NT.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 Protect  
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ion =====

Respiratory Protection:WEAR RESPIRATOR WITH FILTER CARTRIDGE IF  
SPRAYING IN UNVENTILATED AREA.

Ventilation:GENERAL VENTILATION OF 1-3 CHANGES PER HOUR,WHEN SPRAYED.

Protective Gloves:NITRILE RUBBER GLOVES.

Eye Protection:FULL GOGGLES.

Other Protective Equipment:NOT KNOWN.

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

Supplemental Safety and Health

NSN FOR TYPE I,METHOD C LEVEL 2 OF MIL-I-25135D;ZL-2C PENETRANT  
IS

QUALIFIED PRODUCT FOR TYPE I,METHOD C,LEVELS 1,2,3 & 4 I/A/W  
QPL-25135-15.THE QPL ALSO SPECIFIED ITEM CAN GO AS PART OF KIT WITH  
DIFFERENT EMULSIFIERS;SEE OTHER PNI,SAME NSN,FOR OTHER QUALIFIED  
PENETRANT OF THE SAME TYPE,METHOD & LEVEL.

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

HCC:N1

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

Vapor Pres:0.5 @100F

Vapor Density:>1.0

Spec Gravity:0.91

Solubility in Water:NEGLIGIBLE

Appearance and Odor:GREEN LIQUID,PETROLEUM H  
YDROCARBON ODOR.

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

Stability Indicator/Materials to Avoid:YES

NONE NOTED BY MANUFACTURER.

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES.

Hazardous Decomposition 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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