

MAGNAFLUX CORPORATION -- ZL-1D ZYGLO PENETRANT -- 6850-01-268-6698

===== Product Identification =====

Product ID:ZL-1D ZYGLO PENETRANT

MSDS Date:05/28/1986

FSC:6850

NIIN:01-268-6698

MSDS Number: BGSCM

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W.LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656

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

===== Composition/Information on Ingredients =====

Ingred Name:KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: 10.0%

ACGIH TLV:100MG/CUM

Ingred Name:UNIDENTIFIED COMPONENTS

Fraction by Wt: 90.0%

===== Hazards Identi

fication =====

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 DISSOVLING SKIN OIL; EYES:VAPORS/LIQUID
CAUSES IRRITATION; INGESTION:CAUSES GASTRIC UPSET.
Medical Cond Aggravated by Exposure:NOT KNOWN

===== First Aid Measures =====

First Aid:INHALATION:REMOVE TO FRESH AIR.IF BREATHIN
G 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 ASSISTANCE.

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

Flash Point Method:PMCC
Flash Point:200F/93C
Lower Limits:6.0%
Upper Limits:1.0%
Extinguishing Media:CARBON DIOXIDE,FOAM
Fire Fighting
Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT
SPRAY WATER ON BURNING PRODUCT.
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 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.

===== 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 UUSING.DO
NOT HEAT ABOVE 130F(54C).AVOID FREQUENT OR PROLONGED SKIN CONTACT.

===== Exposure Controls/Personal Protection

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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 D,LEVEL 1 OF MIL-I-25135D;QPL-25135-15 QUALIFIED
THIS PRODUCT FOR TYPE I,METHODS B/C/D,LEVEL 1;THE DATA OF ZL-1D
PENETRANT ALSO DESCRIBED UNDER KIT'S NSN OF TYPE I,METHOD D,LEVEL
1;TYPE I,METH B,LVL 1 EMULSIFIER:ZE-3E/ZE-4B AND TYPE I,METH D,LVL
1 EMULSIFIER:ZR-10A/ZR-10B.

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

HCC:N1
Boiling Pt:B.P. Text:410F/210C
Vapor Pres:1.0
Spec Gravity:0.92
Solubility in Water:NEGLIGIBLE
Appearance and Odor:GREEN OILY LIQUID,PETROLEUM DISTALLATES ODOR
Percent Volatiles by
Volume:10.0

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

Stability Indicator/Materials to Avoid:YES
NOT KNOWN TO MFR.HOWEVER,AVOID STRONG OXIDIZERS.
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
TREATMENTSYSYSTEM.

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