

MAGNAFLUX CORPORATION -- ZL-37 ZYGLO PENETRANT -- 6850-01-263-9774

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

Product ID:ZL-37 ZYGLO PENETRANT

MSDS Date:07/17/1986

FSC:6850

NIIN:01-263-9774

MSDS Number: BGRSM

=== 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:312-867-80

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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

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

Ingred Name:DISTILATES,(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%

ACGI

H TLV:100MG/CUM

Ingred Name:UNIDENTIFIED COMPONENTS

Fraction by Wt: 200F/>93C

Extinguishing Media:CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT SPRAY WATER ON BURNING ZL-37.

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 USIN G.DO NOT

HEAT ABOVE 130F(54C).AVOID FREQUENT OR PROLONGED SKIN CONTACT.

===== Exposure Controls/Personal 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.

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 3;PER QPL-25135-15,MAGNAFLUX CORP MAY SUPPLY ONE OF THE FOLLOWING PENETRANTS FOR TYPE I,METHOD C,LEVEL 3 NSN:ZL-22D, ZL-27A,ZL-37,ZL-54A,ZL-55 OR ZL-66A;THIS ENTRY DESCRIBES ZL-37; PRODUCT NOT AVAILABLE IN AEROSOL CANS;SEE OTHER P/N IND OF THIS NSN FOR OTHER QUALIFIED ITEMS

===== 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 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
CO

MBUSTION.

===== 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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