

MAGNAFLUX CORPORATION -- ZL-56 ZYGLO WATER WASHABLE PENETRANT -- 6850-01-263-7247  
===== Product Identification =====

Product ID:ZL-56 ZYGLO WATER WASHABLE PENETRANT

MSDS Date:11/17/1986

FSC:6850

NIIN:01-263-7247

MSDS Number: BGRNM

=== 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

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

Ingred Name:PER MAGNAFLUX CORP MSDS DATED 17NOV86, CONTAINS NO  
INGREDIENT SUSPECTED OF BEING HAZARDOUS

RTECS #:9999999ZZ

Fraction by Wt: 100.0%

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===== Hazards Identification =====

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:IRRITATES EYES ON LIQUID/VAPOR  
CONTACT.

Effects of Overexposure:INHALATION:CAUSES DIZZINESS,DROWSINESS,NAUSEA;  
SKIN:LIQUID IRRITATES BY DISSOLVING SKIN OIL; EYES:VAPORS/LIQUID  
CAUSES IRRITATION; INGESTION:MANUFACTURER DIDN'T LIST.

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.

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

Flash Point Method:PMCC

Flash Point:>200F/>93C

Extinguishing Media:CARBON DIOXIDE,FOAM.

Fire Fighting Procedure

s:KEEP CONTAINERS COOL WITH WATER SPRAY.

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 SALVA GE TANKS.

Neutralizing Agent:NOT KNOWN.

===== 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/Personal Protection =====

Respira

tory Protection:USE NIOSH APPROVED RESPIRATOR FOR CONFINED AREAS.

Ventilation:GENERAL ROOM VENTILATION TO KEEP BELOW TLV LIMITS.

Protective Gloves:USE NITRILE RUBBER GLOVES IF NEEDED.

Eye Protection:FULL GOGGLES/SAFETY GLASSES W/SIDESHIELD

Other Protective Equipment:NOT KNOWN.

Work Hygienic Practices:WASH OFF PROMPTLY WITH WATER.AVOID SKIN CONTACT.

Supplemental Safety and Health

NSN OF MIL-I-25135,TYPE I,METHOD C,LEVEL4;PER QPL-25135,MAGNAFLUX MAY SUPPLY ONE OF THE FOLLOWING PENETRAN

TS FOR TYPE T,METHOD C,LEVEL 4

UNDER THIS NSN:ZL-56,ZL-38,ZL-37,OR ZL-30B;THIS ENTRY DESCRIBES  
ZL-56;PRODUCT NOT AVAILABLE IN AEROSOLCANS.SEE OTHER PNI OF THIS  
NSN FOR MORE QUALIFIED ITEMS.

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

HCC:N1

Boiling Pt:B.P. Text:>400F/>204C

Vapor Pres:0.3MM@100F

Vapor Density:>1.0

Spec Gravity:1.01

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:NEGLIGIBLE(EMULSIFY)

Appearance and Odor:GREEN OILY LIQUID

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES

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

===== 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 AUTH  
ORITIES DONOT ALLOW  
DUMPING RINSINGS DOWN THE SEWE R,PURIFY RINSINGS WITH MAGNAFLUX  
TREATMENT SYSTM

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