

MAGNAFLUX CORPORATION -- ZL-56 ZYGLO WATER WASHABLE PENETRANT -- 6850-01-263-7245
===== Product Identification =====

Product ID:ZL-56 ZYGLO WATER WASHABLE PENETRANT
MSDS Date:11/17/1986
FSC:6850
NIIN:01-263-7245
MSDS Number: BGRNF
=== 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
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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.

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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:IM MEDIATELY 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/>93C

Extinguishing 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 LIQUID WITH COMMERCIAL ABSORBENT.T.
TRANSFER WASTE MATL IN SMALL VESSELS TO STORAGE TANKS.

Neutralizing Agent:NOT KNOWN.

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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 Protection
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iratory 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,LEVEL 4;PER QPL-25135-15,MAGNAFLUX MAY SUPPLY ONE OF THE FOLLOWING P

ENETRANTS FOR TYPE I,METHOD

C,LEVEL 4 UNDER THIS NSN:ZL-56,ZL-38,ZL-37,OR ZL-30B;THIS ENTRY DESCR IBES ZL-56 PRODUCT NOT AVAILABLE IN AEROSOL CANS. SEE OTHER PNI OF THIS ENTRY 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 O

ILY LIQUID.

===== 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 REGULATI

ONS;IF LOCAL AUTHORITIES DONOT ALLOW

DUMPING RINSINGS DOWN THE SEWE R,PURIFY RINSINGS WITH MAGNAFLUX
TREATMENT SYSTM

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