

MAGNAFLUX CORPORATION -- ZL-56 ZYGLO WATER WASHABLE PENETRANT -- 6850-01-263-4057  
===== Product Identification =====

Product ID:ZL-56 ZYGLO WATER WASHABLE PENETRANT  
MSDS Date:11/17/1986  
FSC:6850  
NIIN:01-263-4057  
MSDS Number: BGRMV  
=== 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 DATE 17NOV86, CONTAINS NO  
INGREDIENTS 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: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/>93C

Extinguishing Media:CARBON DIOXIDE,FOAM.

Fire Fighting Procedu

res: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 IGNITIONS 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 ABSORBE NT.TRANSFER WASTE MATL IN SA  
LVAGE  
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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Resp

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,P/N ZL-56

IS ALSO A QUALIFIED PRODUCT UNDER

TYPE I,METHOD C,LEVEL 4 OF

MIL-I-25135D.

===== 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.

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:HEAT,HIGH TEMPERAT  
URES.

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

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