

MAGNAFLUX CORPORATION -- ZL-55 ZYGLO WATER WASHABLE PENETRNT -- 6850-01-263-9774

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Product Identification  
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Product ID:ZL-55 ZYGLO WATER WASHABLE PENETRNT

MSDS Date:11/13/1985

FSC:6850

NIIN:01-263-9774

MSDS Number: BGRSK

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W. LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone Num:708-867-8000

Em

ergency Phone Num:708-867-8000

Preparer's Name:BRUCE C. GRAHAM, CH. CHEM

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

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Composition/Information on Ingredients  
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Ingred Name:SECONDARY ETHOXYLATED FATTY ALCOHOLS

CAS:68131-40-8

RTECS #:WZ5200000

Fraction by Wt: 50.0%

Ingred Name:UNIDENTIFIED COMPONENTS

Fraction b

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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:VAPOR/LIQUID  
CAUSES IRRITATION; INGESTION:MANUFACTURER DIDN'T LIST.

Medical Cond Aggravated by Exposure:NOT KNOWN.

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===== First Aid Measur  
es =====  
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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:>250F/121C

Extinguishing Media:CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT  
SPRAY WATER ON BURNING ZL-55.

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 ABSORBEN T.TRANSFER WASTE MATL IN SALVAGE  
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 =====

Respiratory 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-25135D,TYPE I,METHOD C,LEVEL 3;PER

QPL-25135,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-55;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:400F/204C

Vapor Pres:1.0

Spec Gravity:1.01

Evaporation Rate & Reference:NOT KNOWN

Solubility in Water:NEGLIGIBLE(EMULSIFY)

Appearance and Odor:GREEN OILY LIQUID.

Percent Volatiles by Volume:5.0%

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

Stability Indicator/Materials to Avoid:YES

NOT KNOWN TO MFR.

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 D00

1 (IGNITABLE WASTE),IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL,STATE,LOCAL REGULATIONS;IF LOCAL AUTHORITIES DO NOT ALLOW  
DUMPING RINSINGS DOWN THE SEW ER,PURIFY RINSINGS WITH MAGNFLUX  
TREATMENT SYSTM

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