

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%

=====

===== 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 =====

=====

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

=====  
===== 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

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional adv  
ice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.