

MAGNAFLUX CORPORATION -- ZL-17D ZYGLO WATER WASH PENETRANT -- 6850-01-269-4151

===== Product Identification =====

Product ID:ZL-17D ZYGLO WATER WASH PENETRANT

MSDS Date:11/17/1986

FSC:6850

NIIN:01-269-4151

MSDS Number: BGSGF

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W.LAWRENCE AVE.

City:CHICAGO

State:IL

ZIP:60656

Country:US

Info Phone Num:312-867-8000

Emergency Phon

e Num:312-867-8000

Preparer's Name:BRUCE C. GRAHAM (CHMIST)

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:DISTILLATES,(PETROLEUM)HYDROTREATED MIDDLE

CAS:64742-46-7

RTECS #:JN9379645

Fraction by Wt: 40.0%

Ingred Name:KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: 10.0%
ACGIH TLV:100MG/CUM

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

Health Hazards Acute and Chronic:IRRITATES EYES.
Effects of Overexposure:INHALATION:CAUSES DIZZINESS,DROWSINESS,NAUSEA;
SKIN:LIQUID IRRITATES BY DISSOLVING SKIN OIL; EYES:VAPORS/LIQUID
CAUSES IRRITATION.
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:IMMEDIATELY RINSE/FLUSH WITH COPIOUS AMOUNT OF RUNNING
WATER,AND GET MEDICAL ATTENTION; INGESTION: NOT NOTED BY THE
MANUFACTURER.HOWEVER,GET MED ATTN IMMEDIATELY IF INGESTED.

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

Flash Point Method:PMCC
Flash Point:>200F/>93C
Lower Limits:6.0
Upper Limits:1.0
Extinguishing Media:CARBON DIOXIDE,FOAM
Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT
SPRAY WATER ON BURNING PRODUCT.
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 ABSORBENT.TRANSFER WASTE MATERIAL TO
SALVAGE TANKS.

===== 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 =====

Respiratory Protection:WEAR A RESPIRATOR WITH ABSORBENT CARTRIDGE IN POORLY VENTILATED AREAS.IN CONFINED,UNVENTILATED SPACES,WEAR FULL MASK WITH AIR SUPPLY.

Ventilation:GENERAL VENTILATION TO KEEP BELOW TLV LIMITS.

Protective Gloves:NITRILE RUBBER GLOVES

Eye Protection:CHEMICAL SPLASH/FULL GOGGLES

Work Hygienic Practices:WASH HANDS WITH SOAP/WATER AFTER HANDLING/USE.

Supplemental Safety and Health

ITEM IS ONE PART;NSN E

STABLISHED IN 1987 WAS FOR TYPE I,METHOD C,LEVEL

2 MATERIALS;THIS ENTRY DESCRIBES ZL-17D PENETRANT WHICH IS TYPE I,METHOD C,LEVEL 2 ITEM AS SPECIFIED BY QPL-25135-15 FOR MIL-I-25 135,REV "D";SEE OTHER PNI OF THIS NSN FOR OTHER PRODUCTS OF MAGNAFLUX FOR THE SAME TYPE,METHOD & LEVEL.

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

HCC:N1

Boiling Pt:B.P. Text:410F/210C

Vapor Pres:0.5 @100F

Vapor Density:>1.0

Spec Gravity:0.88

Solubility in Water:NEGLIGIBLE

App

pearance and Odor:GREEN OILY LIQUID,PETROLEUM HYDROCARBON ODOR.

Percent Volatiles by Volume:5.0%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES.

Hazardous Decomposition Products:EMITS OXIDES OF CARBON WHEN BURNING

===== 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 REGS PROHIBIT DUMPING
RINSINGS DOWN THE SEWER,PURIFY R INSINGS WITH MAGNAFLUX WATEWATER
TREATMENT SYSTM.

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