

MAGNAFLUX CORPORATION -- ZL-19 ZYGLO WATER WASH PENETRANT -- 6850-01-263-4055

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

Product ID:ZL-19 ZYGLO WATER WASH PENETRANT

MSDS Date:11/17/1986

FSC:6850

NIIN:01-263-4055

MSDS Number: BGRMQ

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W.LAWRENCE AVENUE

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 (CHEMIST)

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:KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: 10.0%

ACGIH TLV:100MG/CUM

Ingred Name:DISTILLATES,(PETROLEUM) HYDROTREATED MIDDLE

CAS:64742-46

-7

RTECS #:JN9379645

Fraction by Wt: 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.T.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 ESTABLISHED IN 1987 WAS FOR TYPE 1,METHOD A,LEVEL 1 MATERIALS;THIS ENTRY DESCRIBES ZL-19PENETRANT WHICH IS TYPE I,METHOD A,LEVEL 1 ITEM AS SPECIFIED BY QPL-25135-15 FOR MIL-I-25135, REV "D";SEE OTHER PNI OF THIS NSN FOR OTHER PRODUCTS OF MAGNAFLUX FOR THE SAME TYPE,METHOD & LEVEL.KEY1:N1.

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

HCC:N1

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

Vapo

r Pres:0.5 @ 100F
Vapor Density:>1.0
Spec Gravity:0.88
Solubility in Water:NEGLIGIBLE
Appearance 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 =====
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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 WASTEWATER
TREATMENT SYSTM.

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