

MAGNAFLUX CORPORATION -- ZL-19 ZYGLO WATER WASH PENETRANT -- 6850-01-263-8437

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

Product ID:ZL-19 ZYGLO WATER WASH PENETRANT

MSDS Date:11/17/1986

FSC:6850

NIIN:01-263-8437

MSDS Number: BGRSD

=== 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 Pho

ne 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 BU
T 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 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 W
HILE 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 WIT
H SOAP/WATER AFTER HANDLING/USE.
Supplemental Safety and Health
ITEM IS ONE PART;NSN ESTABLISHED IN 1987 WAS FOR TYPE I.METHOD C,LEVEL
1 MATERIALS;THIS ENTRY DESCRIBES ZL-19 PENETRANT WHICH IS TYPE
I,METHOD C,LEVEL 1 ITEM AS SPECIFIED BY QPL-25135-15 FOR MIL-I-251
35,REC "D";SEE OTHER PNI OF THIS NSN FOR OTHER PRODUCTS OF
MAGNAFLUX FOR THE SAME TYPE,METHOD & EVEL.KEY1:N1.

===== 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

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 =====

=====

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.

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 advice to verify and assume responsibility for the suitability of this information to their particular situation.