

MAGNAFLUX -- ZYGLO PENETRANT ZL-27A -- 6850-00-782-2740

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

Product ID:ZYGLO PENETRANT ZL-27A

MSDS Date:05/04/1999

FSC:6850

NIIN:00-782-2740

Kit Part:Y

MSDS Number: CKVMW

=== Responsible Party ===

Company Name:MAGNAFLUX

Address:3624 WEST LAKE AVENUE

City:GLENVIEW

State:IL

ZIP:60025

Country:US

Info Phone Num:847-657-5300

Emergency Phone Num:847-657-5300

Resp. Party O

ther MSDS Num.:ZL-27A

Preparer's Name:CHERI A. STOCKHAUSEN

Chemtec Ind/Phone:(800)424-9300

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/

Contract Num:SP0450-00-M-D713

CAGE:37676

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/

Contract Num:SP0450-01-D

-5313
CAGE:37676
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/
Contract Num:SP0450-01-M-D233
CAGE:37676

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/
Contract Num:SP0450-99-M-C622
CAGE:37676

Company Name:ILLINOIS TOOL WORKS INC MAGNAFLUX DIV
Address:3624 WEST LAKE AVENUE
Box:City:GLENVIEW
Stat
e:IL
ZIP:60025
Country:US
Phone:847-657-5300/
Contract Num:SP0450-99-M-NJ01
CAGE:37676

Company Name:RADIANT INTL LLC
Address:8501 N MOPAC BLVD
Box:201088
City:AUSTIN
State:TX
ZIP:78720-1088
Country:US
Phone:512-419-5224
CAGE:29913

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===== Composition/Information on Ingredients =====

Ingred Name:WHITE MINERAL OIL (PETROLEUM)
CAS:8042-47-5
RTECS #:PY8047000
Minumum % Wt:30.
Maxumum % Wt:60.
Other REC Limits:NONE RECOMMENDED

Ingred Name:ISODECYL DIPHENYL PHOSPHATE
CAS:29761-21-5
M

Minimum % Wt:30.
Maximum % Wt:60.
Other REC Limits:NONE RECOMMENDED

Ingredient Name:CASTOR OIL
CAS:8001-79-4
RTECS #:FI4100000
Minimum % Wt:10.
Maximum % Wt:30.
Other REC Limits:NONE RECOMMENDED

Ingredient Name:ISOBUTANE (PROPELLANT)
CAS:75-28-5
RTECS #:TI4300000
= Wt:30.
OSHA PEL:1000 PPM
ACGIH TLV:NOT AVAILABLE

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

LD50 LC50 Mixture:NOT PROVIDED
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO
IARC:NO OSHA:NO
Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECTS: EYES: MAY CAUSE IRRITATION. SKIN CONTACT: CAN IRRITATE BY REMOVING NATURAL SKIN OILS ON LONG OR REPEATED EXPOSURES. INHALATION: NOT SIGNIFICANT AT ROOM TEMPERATURES. WHEN HEATED OR SPRAYED, VAPORS MAY CAUSE DIZZINESS AND NAUSEA. INGESTION: NOT SIGNIFICANT IN SMALL (MOUTHFUL) AMOUNTS. CHRONIC: NOT PROVIDED.
Explanation of Carcinogenicity:CONTAINS NO KNOWN OR SUSPECTED CARCINOGENS LISTED WITH OSHA, IARC, NTP, ACGIH.
Effects of Overexposure:EYES: MAY CAUSE IRRITATION. SKIN CONTACT: CAN IRRITATE BY REMOVING NATURAL SKIN OILS ON LONG OR REPEATED EXPOSURES. INHALATION: NOT SIGNIFICANT AT ROOM TEMPERATURES. WHEN HEATED OR SPRAYED, VAPORS MAY CAUSE DIZZINESS AND NAUSEA.
Medical Cond Aggravated by Exposure:NONE

===== First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR IF DIZZY OR NAUSEATED. EYE CONTACT: RINSE CAREFULLY UNDER

R UPPER AND LOWER EYELIDS USING PLENTY OF WATER. SKIN CONTACT: WASH OFF WITH SOAP AND WATER. USE SOOTHING LOTION. INGESTION: DO NOT INDUCE VOMITING. ACCIDENTAL INGESTION OF A SMALL MOUTHFUL IS NOT EXPECTED TO CAUSE SIGNIFICANT HARM. NOTE: IN ALL SEVERE CASES, CONTACT PHYSICIAN IMMEDIATELY. LOCAL TELEPHONE OPERATORS CAN FURNISH NUMBER OF REGIONAL POISON CONTROL CENTER.

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

Flash Point Method:PMCC

Flash Point

:>93.3C, 200.F

MINIMUM

Lower Limits:1%

Upper Limits:6%

Extinguishing Media:CARBON DOXIDE, FOAM.

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY. DO NOT SPRAY WATER DIRECTLY ON BURNING ZL-27A. IT MAY FLOAT AND SPREAD THE FIRE.

Unusual Fire/Explosion Hazard:CONDITION OF FLAMMABILITY---BULK:HEATING ABOVE 200F IN PRESENCE OF IGNITION SOURCES. AEROSOL: SPRAYING NEAR FLAMES OR ARCS WILL IGNITE SPRAY MIST. AEROSOL CANS MAY BURST AT TEMPERATURES OVER 130F(64 C) AND SPRAY CONTENTS INTO FIRE.

===== Accidental Release Measures =====

Spill Release Procedures:MOP UP OR SWEEP UP WITH ABSORBENT.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions:STORE AWAY FROM HEAT SOURCES.

Other Precautions:AVOID BREATHING SPRAY MIST. AVOID EYE CONTACT. AVOID REPEATED OR PROLONGED SKIN CONTACT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATOR WITH FILTER IF SPRAYED IN ENCLOSED, UNVENTILATED SPACE.

Ventilation:USE WHERE VENTILATION WILL CARRY SPRAY MIST AWAY FROM OCCUPIED AREAS.

Protective Gloves:WEAR NITRILE RUBBER GLOVES IF HAND EXPOSURE IS UNAVOIDABLE.

Eye Protection:WEAR SAFETY GLASSES TO PROTECT EYES.

Other Protective Equipment:NOT PROVIDED

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

EACH KIT CONTAINS THE FOLLOWING 12 OZ AEROSOL CANS: 3 EACH, CANS INSPEC

TION PENETRANT (MSDS SERIAL NUMBER: CKVMW); 3 EACH, CANS
INSPECTION PENETRANT DEVELOPER (MSDS SERIAL NUMBER: CKWBR); AND 3
EA CH, CANS INSPECTION PENETRANT REMOVER (MSDS SERIAL NUMBER:
CKVMX).

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

HCC:V3
NRC/State Lic Num:NOT PROVIDED
Boiling Pt:=235.C, 455.F
B.P. Text:MINIMUM (BULK)
Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED
Decomp Temp:Decomp Text:NOT PROVIDED
Vapor Pres:3117 @ 70F/21C
Vapor Density:>1(AIR=1
Spec Gr
avity:0.96
pH:NEUTRAL
Viscosity:NOT PROVIDED
Evaporation Rate & Reference:NEGLIGIBLE
Solubility in Water:0%
Appearance and Odor:GREEN OILY LIQUID, MILD ODOR.
Percent Volatiles by Volume:30% AEROSOL
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
NONE
Stability Condition to Avoid:NOT PROVIDED
Hazardous Decomposition Products:SMOKE, SOOT, OXIDES OF CARBON AND
NITROGEN.

===== Toxicol
ogical Information =====

Toxicological Information:THRESHOLD LIMIT VALUE: 5 MG/M3 FOR OILY MIST.
WHIMIS INFORMATION: ACCORDING TO AVAILABLE INFORMATION, THE
INGREDIENTS HAVE NOT BEEN FOUND TO SHOW REPRODUCTIVE TOXICITY,
TERATOGENICITY, MUTAGENICITY, SKIN SENSITIZATION OR SYNERGISTIC
TOXIC EFFECTS WITH OTHER MATERIALS. CARCINOGENICITY: CONTAINS NO
KNOWN OR SUSPECTED CARCINOGENS LISTED WITH OSHA,IARC,NTP,ACGIH.
CAS#29761-21-5:ORAL,RAT LD50:15.8 G /KG

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Ecological Information
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Ecological:NO DATA IS AVAILABLE ON ZL-27A. IT FLOATS ON WATER AND CAN BE SKIMMED OFF. ITS LOW BULK VAPOR PRESSURE MAY EXEMPT IT FROM VOC RESTRICTIONS. THE HYDROCARBON PROPELLANT IS NOT AN OZONE DEPLETOR.

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Disposal Considerations
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Waste Disposal Methods:AS A NON-HAZARDOUS OILY WASTE, INCINERATE OR SEND TO WASTE HANDLER WHO CAN BLEND IT INTO SECONDARY FUELS. RCRA: NOT A HAZARDOUS WASTE. U.S. EPA WASTE NUMBER: NONE.

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MSDS Transport Information
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Transport Information:US DOT: AEROSOL: CONSUMER COMMODITY, ORM-D. ID NO: NONE; PACKING GROUP: NONE. IATA: AEROSOLS, FLAMMABLE, 2.1, UN1950. IMDG: AEROSOLS, FLAMMABLE, 2.1, UN1950.

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Regulatory Information
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SARA Title III Information:SARA TITLE III, SECTION 313: NO REPORTABLE INGREDIENTS.

Federal Regulatory Information:TSCA:
ALL INGREDIENTS ARE LISTED IN TSCA INVENTORY. CERCLA: NOT REPORTABLE.

State Regulatory Information:CALIFORNIA PROPOSITION 65: CONTAINS NOTHING ON THE LIST.

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Other Information
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