

MAGNAFLUX -- ZYGLO PENETRANT ZL-27A (SEE SUPPL) -- 6850-00-703-7406

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Product Identification
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Product ID:ZYGLO PENETRANT ZL-27A (SEE SUPPL)

MSDS Date:10/26/2001

FSC:6850

NIIN:00-703-7406

Status Code:A

Kit Part:Y

MSDS Number: CLRKK

=== Responsible Party ===

Company Name:MAGNAFLUX

Address:3624 WEST LAKE AVENUE

City:GLENVIEW

State:IL

ZIP:60025

Country:US

Info Phone Num:847-657-5300

Emergenc

y Phone Num:847-657-5300

Preparer's Name:TAMIE SIMMONS,R&D MANAGER

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:SP0450-02-M-M080

CAGE:37676

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Composition/Information on Ingredients
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Ingred Name:WHITE MINERAL OIL (PETROLEUM)

CAS:8042-47-5

RTECS #:PY8047000

Minimum % Wt:30.

Max

umum % Wt:60.
Other REC Limits:NONE RECOMMENDED

Ingred Name:CASTOR OIL
CAS:8001-79-4
RTECS #:FI4100000
Minumum % Wt:10.
Maxumum % Wt:30.
Other REC Limits:NONE RECOMMENDED

Ingred Name:ISODECYL DIPHENYL PHOSPHATE
CAS:29761-21-5
Minumum % Wt:30.
Maxumum % Wt:60.
Other REC Limits:NONE RECOMMENDED

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

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

LD50 LC50 Mixtur
e: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 HEA TED 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 =====

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First Aid:INHALATION: REMOVE TO FRESH AIR IF DIZZY OR NAUSEATED. EYE CONTACT: RINSE CAREFULLY UNDER UPPER AND LOWER EYELIDS USING PLENTY OF WATER. SKIN CONTACT: WASH OFF WITH SOAP AND WATER. USE SOOTHING LOTIO N. 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 OPE RATORS 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. AEAROSOL: 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

Sup

plemental Safety and Health

THIS IS A KIT. THE OTHER MSDS SERIAL NUMBERS: CLRKJ, CKTRP, CLRJW

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

HCC:V3

NRC/State Lic Num:NOT RELEVANT

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 Gravity:0.96

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.

===== Toxicological 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

===== Ecological Information =====

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.

===== Disposal Considerations =====

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.

===== MSDS Transport Information =====

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.

===== Regulatory Information =====

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.

===== Other Information =====

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