

MAGNAFLUX -- ZYGLO PENETRANT ZL-37 -- 6850-01-266-4552

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

Product ID:ZYGLO PENETRANT ZL-37

MSDS Date:04/14/1997

FSC:6850

NIIN:01-266-4552

Status Code:A

Kit Part:Y

MSDS Number: CKTFH

=== 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:800-424-9300

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esp. Party Other MSDS Num.:PART I OF A TWO PART KIT.

Preparer's Name:VILMA G. HOIMGREN

Chemtrec 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:SP0450-99-M-C506

CAGE:37676

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

Ingred Name:HYDROTREATED HEAVY NAPHTHENIC DISTILLATE (PETROLEUM)

CAS:64742

-52-5
RTECS #:PY8035000
Minumum % Wt:30.
Maxumum % Wt:60.

Ingred Name:ISODECYL DIPHENYL PHOSPHATE
CAS:29761-21-5
Minumum % Wt:15.
Maxumum % Wt:40.

Ingred Name:POLY(OXY-1,2-ETHANEDIYL), .A - (NONYLPHENYL),-O - HYDROXY
CAS:9016-45-9
RTECS #:AX0247000
Minumum % Wt:3.
Maxumum % Wt:7.

Ingred Name:ISOBUTANE PROPELLANT (AEROSOL ONLY)
CAS:75-28-5
RTECS #:TI4300000
= Wt:30.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Healt

h Hazards Acute and Chronic:SKIN CONTACT: CAN IRRITATE BY REMOVING
NATURAL SKIN OILS ON LONG OR REPEATED EXPOSURES. EYES: MAY CAUSE
IRRITATION. INHALATION: NOT SIGNIFICANT AT ROOM TEMPERATURES. WHEN
HEATED OR SPRAYED, ZL-37 VAPO RS MAY CREATE DIZZINESS AND NAUSEA.
INGESTION: NOT SIGNIFICANT IN SMALL (MOUTHFUL) AMOUNTS.

Explanation of Carcinogenicity:CONTAINS NO KNOWN OR SUSPECTED
CARCINOGENS LISTED WITH OSHA, IARC, NTP OR ACGIH.

Effects of Overexposure:IRRITATION, DIZZINESS,
NAUSEA

Medical Cond Aggravated by Exposure:NONE

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

First Aid:SKIN CONTACT: WASH OFF WITH SOAP AND WATER. USE SOOTHING
LOTION. EYES: RINSE CAREFULLY UNDER UPPER AND LOWER EYELIDS USING
PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR IF DIZZY OR
NAUSEATED. INGESTION: DO NOT INDUCE VOMITING. ACCIDENTIAL
INGESTION OF A SMALL MOUTHFUL IS NOT EXPECTED TO CAUSE SIGNIFICANT
HARM. NOTE: IN ALL SEVERE CASES, CONTACT

A PHYSICIAN IMMEDIATELY.

LOCAL TELEPHONE OPERATOR 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 DIOXIDE, FOAM.

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY. DO NOT SPRAY DIRECTLY ON BURNING ZL-37. IT MAY FLOAT AND SPREAD THE FIRE.

BULK: DO NOT HEAT ABOVE 200F(93C) IN PRESENCE OF IGNITION SOURCES.

AEROSOL: DO NOT SPRAY NEAR AN IGNITION SOURCE WILL; SPRAY WILL IGNITE.

Unusual Fire/Explosion Hazard:AEROSOL CANS MAY BURST AT TEMPERATURES OVER 130F(54C) AND SPRAY CONTENTS INTO A FIRE.

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

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

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

Handling and Storage Precautions:AVOID BREATHING SPRAY MIST. AVOID EYE

CONTACT. AVOID REPEATED OR PROLONGED SKIN CONTACT. STORE AWAY FROM HEAT SOURCE. DO NOT SPRAY AROUND ARCS OR FLAMES.

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

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

Ventilation:NONE, UNLESS APPLIED AS A SPRAY. USE WHERE VENTILATION WILL CARRY SPRAY MIST AWAY FROM OCCUPIED AREAS.

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

Eye P

rotection:SAFETY GLASSES

Supplemental Safety and Health

THIS ENTRY, MSDS SERIAL # CKTFH, DESCRIBES THE PENETRANT, ZL-37, PART ONE OF A TWO PART KIT. SEE THIS SAME NSN FOR EMULSIFIER 2 ZL- 10B, MSDS SERIAL # CKTFJ, FOR PART 2 DATA.

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

HCC:V4

Boiling Pt:=235.C, 455.F

B.P. Text:MIN. ASTM D-86 (BULK)

Vapor Pres:0.10 MM @ 70F

Vapor Density:>.AIR

Spec Gravity:0.96

pH:NEUTRAL

Evaporation Rate & Reference:NEGLIGIBLE

Solubili

ty in Water:0%

Appearance and Odor:GREEN OILY FLUID; MILD ODOR

Percent Volatiles by Volume:NONE (BULK)

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

Stability Indicator/Materials to Avoid:YES

NONE

Hazardous Decomposition Products:SOOT, OXIDES OF CARBON IF HEATED TO COMBUSTION TEMPERATURE.

===== Toxicological Information =====

Toxicological Information:CONTAINS NO KNOWN OR SUSPECTED CARCINOGENS LISTED WITH OSHA, IARC, NTP, OR ACGIH. T

HRESHOLD LIMIT VALUE: 5

MG/M3 FOR OILLY MIST. ACCORDING TO AVAILABLE INFORMATION, THE INGREDIENTS HAVE NOT BEEN FOUND TO SHOW REPRODUCTIVE TOXICTY, TERATOGENICITY, MUTAGENICITY, SKIN SENSITIZATION, OR SYNERGISTIC TOXIC EFFECTS WITH OTHER MATERIALS.

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

Ecological:NO DATA IS AVAILABLE ON ZL-37. IT FLOATS ON WATER AND CAN BE SKIMMED OFF. ITS LOW VAPOR PRESSURE MAY EXEMPT IT FROM VOC RESTRICTIONS.

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

Waste Disposal Methods:AS A NON-HAZARDOUS OILY WASTE, INCINERATE OR SEND TO WASTE HANDLER WHO CAN BLEND IT INTO SECONDARY FUELS.

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

Transport Information:U.S. DOT, IATA, IMDG: BULK NOT REGULATED FOR TRANSPORTATION. AEROSOLS: DOT: CINSUMER COMMODITY, ORM-D; IATA: AEROSOLS, FLAMMABLE, N.O.S., CLASS 2.1, UN 1950; IMDG: AEROSOLS, CLASS 2.1, UN 1950.

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

SARA Title III Information:CERCLA: NOT REPORTABLE. SARA TITLE III, SECTION 313: NO REPORTABLE INGREDIENTS.

Federal Regulatory Information:ALL INGREDIENTS ARE LISTED IN TSCA INVENTORY.

State Regulatory Information:CALIFORNIA PROPOSITION 65: CONTAINS NOTHING ON THIS LIST

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

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