

MAGNAFLUX -- ZYGLO PENETRANT ZL-27A -- 6850-01-306-1382

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

Product ID:ZYGLO PENETRANT ZL-27A

MSDS Date:09/23/1993

FSC:6850

NIIN:01-306-1382

MSDS Number: BYTCJ

=== Responsible Party ===

Company Name:MAGNAFLUX

Address:7301 W AINSLIE AVE

City:HARWOOD HTS

State:IL

ZIP:60656

Country:US

Info Phone Num:708-867-8000

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's Na

me:CHERI A. ZELEZNIK

CAGE:59042

=== 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

Company Name:MAGNAFLUX

Address:7300 WEST LAWRENCE AVE

City:CHICAGO

State:IL

ZIP:60656

Country:US

Phone:708-867-8000

CAGE:59042

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

Ingred Name:MINERAL OIL, WHITE; (WHITE MINERAL OIL (PETROLEUM))

CAS:8042-47-

5

RTECS #:PY8047000
Fraction by Wt: 30-60%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:PHOSPHORIC ACID, ISODECYL DIPHENYL ESTER; (ISODECYL
DIPHENYL PHOSPHATE) LD50: (ORAL, RAT) 15.8 G/KG

CAS:29761-21-5
RTECS #:TC6180000
Fraction by Wt: 30-60%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:CASTOR OIL

CAS:8001-79-4
RTECS #:FI4100000
Fraction by Wt: 10-30%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:PROPANE, 2-METHYL-; (ISOBUTANE (PROPELLANT))

CAS:75-28-5
RTECS #:TZ4300000
Fraction by Wt: 30%
OSHA PEL
:1000 PPM (MFR)
ACGIH TLV:N/K

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

LD50 LC50 Mixture:SEE INGREDIENT 2
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN: 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, PRODUCT VAPORS MAY CAUSE
DIZZINESS & NAUSEA.
INGESTTION: NOT SIGNIFICANT IN SMALL (MOUTHFUL) AMOUNTS.
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:NONE.

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

First Aid:SKIN: WASH OFF W/SOAP & WATER. USE SOOTHING LOTION. EYES:
RINSE CAREFULLY UNDER UPPER & LOWER EYELIDS USING PLENTY OF WATER
FOR AT LEAST 15 MIN. INHAL: REMOVE TO FRESH AIR IF DIZZY/NAUS.
INGEST: D

O N O T I N D U C E V O M I T . A C C I D E N T A L I N G E S T O F S M M O U T H F U L I S
N O T E X P E C T E D T O C A U S E S I G N I F I C A N T H A R M . N O T E : I N A L L S E V C A S E S ,
C N T C T M D I M M E D . L O C T E L E P H O N E O P E R A T O R S C A N F U R N I S H N U M B E R O F
R E G I O N A L P O I S C T L C T R .

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

Flash Point Method:PMCC
Flash Point:200F,93C
Lower Limits:1%
Upper Limits:6%
Extinguishing Media:CARBON DIOXIDE, FOAM.
Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.
KEEP CNTNRS COOL W
/WATER SPRAY. DO NOT SPRAY WATER DIRECTLY ON
BURNING PROD. IT MAY FLOAT & SPREAD THE FIRE.
Unusual Fire/Explosion Hazard:AEROSOL CANS MAY BURST AT TEMPERATURES
OVER 130F(54C) & SPRAY CONTENTS INTO FIRE. HAZARDOUS COMBUSTION
PRODUCTS: SMOKE, SOOT, OXIDES OF CARBON & NITROGEN.

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

Spill Release Procedures:MOP UP OR SWEEP UP WITH ABSORBENT.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID BREATHING SPRAY MIST. AVOID EYE
CONTACT. AVOID REPEATED OR PROLONGED SKIN CONTACT. STORE AWAY FROM
HEAT SOURCE.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR WITH FILTER IF
SPRAYED IN ENCLOSED, UNVENTILATED SPACE.
Ventilation:NONE, UNLESS APPLIED AS SPRAY. USE WHERE VENTILATION WIL
L
CARRY SPRAY MIST AWAY FROM OCCUPIED AREAS.
Protective Gloves:NITRILE RUBBER GLOVES.
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
VP: BULK: