

MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC -- ZYGLO PENETRANT ZL-27A -- 6850-01-306-1382
===== Product Identification =====

Product ID:ZYGLO PENETRANT ZL-27A

MSDS Date:01/10/1997

FSC:6850

NIIN:01-306-1382

MSDS Number: CDJTC

=== Responsible Party ===

Company Name:MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC

Address:3624 WEST LAKE AVENUE

City:GLENVIEW

State:IL

ZIP:60025

Country:US

Info Phone Num:847-657-530

0 / 5338 (FAX)

Emergency Phone Num:847-657-5300/800-424-9300(CHEMTREC)

Preparer's Name:CHERI A. ZELEZNIK

CAGE:KO362

=== 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

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===== Compo

sition/Information on Ingredients =====

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

Ingred Name:ISOCYLDIPHENYLPHOSPHATE
CAS:29761-21-5
Fraction by Wt: 30-60%
Other REC Limits:NONE RECOMMENDED

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

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

LD50 LC50 Mixture:NONE SP
ECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN:CAN IRRIT BY REMOVING NATURAL
SKIN OILS ON LONG OR REPEATED EXPO.EYE:MAY CAUSE IRRIT.INHAL:NOT
SIGNIFICANT AT ROOM TEMPERATURES.WHEN HEATED OR SPRAYED ZL-27A
VAPORS MAY CAUSE DIZZ AND NAUSEA.INGE ST:NOT SIGNIFICANT IN
SMALL(MOUTHFUL)AMTS.
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY:CONTAINS NO
K
NOWN OR SUSPECTED CARCINOGEN LISTED W/OSHA/IARC/NTP/ACGIH.
Effects of Overexposure:IRRIT SKIN, EYE IRRIT, DIZZINESS, NAUSEA.
Medical Cond Aggravated by Exposure:NONE

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

First Aid:SKIN:WASH OFF W/SOAP/WATER.USE SOOTHING LOTION.EYE:RINSE
CAREFULLY UNDER UPPER/LOWER EYELIDS USING PLENTY OF
WATER.INHAL:REMOVE TO FRESH AIR IF DIZZY OR NAUSEATED.INGEST:DONT
INDUCE VOMITING.ACCIDENTA L INGEST OF SMALL MOUTHFUL IS NOT
EX

PECTED TO CAUSE SIGNIFICANT HARM.NOTE:IN ALL SEVERE CASES CONTACT
PHYSICIAN IMMED.LOCAL TELEPHONE OPERATORS CAN FURNISH NUMBER OF
REGIONAL POIS CNTRL CNTR.

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

Flash Point Method:PMCC

Flash Point:200F,93C

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:1

Upper Limits:6

Extinguishing Media:CARBON DIOXIDE, FOAM.

Fire Fighting Procedures:KEEP CONTAINERS COOL W/WATER SPRAY.DONT SPRAY
WATER DIRECTLY ON BURNING ZL-2

7A.IT MAY FLOAT & SPREAD THE FIRE.

Unusual Fire/Explosion Hazard:HEATING ABOVE 200F(93C)IN PRESENCE OF
IGNITION SOURCES.DIFFICULT TO IGNITE BUT WILL BURN VIGOROUSLY IF
ENGULGED IN FIRE.

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

Spill Release Procedures:MOP UP OR SWEEP UP W/ABSORBENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID BREATHING SPRAY MIS

T.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:RESPIRATOR WITH FILTER IF SPRAYED IN ENCLOSED
UNVENTILATED SPACE.

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

Protective Gloves:NITRILE RUBBER GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NO

NE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

PER CTFD:ACTION INITIATED TO CANCEL NSN AS IT'S DUPLICATE OF
6850-01-117-2971,DTD 95325. HEALTH HAZ:SYNERGISTIC TOXIC EFFECTS
W/OTHER MATLS. DISPO:INTO 2ND FULES.EMPTY AEROSOL CANS BEF
DISPO.RCRA:NOT HAZ WASTE.EPA WASTE #:NONE.CERCLA:NOT
REPORTABLE.SARA TIT III SEC 313:NO REPORTABLE INGREDIENTS.

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

HC
C:N1
Boiling Pt:B.P. Text:455F,235C
Melt/Freeze Pt:M.P/F.P Text:NP
Decomp Temp:Decomp Text:NP
Vapor Pres:AIR
Spec Gravity:0.96
pH:NEUTRA
Viscosity:NP
Evaporation Rate & Reference:NEGLIGIBLE
Solubility in Water:0%
Appearance and Odor:GREEN OILY LIQUID, MILD ODOR
Percent Volatiles by Volume:NONE
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES
NONE
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Haza
rdous Decomposition Products:SMOKE, SOOT, OXIDES OF CARBON AND
NITROGEN.

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

Waste Disposal Methods:FLOATS ON H2O,CAN BE SKIMMED OFF.ITS LOW BULK
VAPOR PRESSURE MAY EXEMPT IT FROM VOC RESTRICTIONS.AS NON-HAZ OILY
WASTE INCINERATE OR SEND TO WASTE HNDLER WHO CAN BLEND IT INTO
SECONDARY FUELS.RCRA:NONH AZ.EPA WASTE #:NONE.NO SARA CHEM.

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