

MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC -- ZYGLO PENETRANT ZL-27A -- 6850-01-414-7086
===== Product Identification =====

Product ID:ZYGLO PENETRANT ZL-27A

MSDS Date:05/02/1996

FSC:6850

NIIN:01-414-7086

MSDS Number: CDGBV

=== 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 / 5388 (FAX)

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

Company Name:MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC

Address:3624 WEST LAKE AVENUE

City:GLENVIEW

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ZIP:60025

Country:US

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CAGE:KO362

Company Name:MAGNAFLUX CORP

Addr

ess:218 E INDUSTRIAL ST
Box:UNKNOW
City:DE WITT
State:IA
ZIP:52742
Country:US
Phone:319-659-8143
CAGE:0JNN1

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Composition/Information on Ingredients
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Ingred Name:MINERAL OIL, WHITE
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

Ingred Name:ISOBUTANE
CAS:75-28-5
RTECS #:TZ4300000
Fraction by Wt: 30%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKIN:MAY
CAUSE IRRITATION AND DEFATTING.INGEST:NOT SIGNIFICANT IN SMALL
MOUTHFULS.INHAL:MAY CAUSE RESPIRATORY IRRITATION.
Exp

Iatation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INHAL:DIZZINESS,NAUSEA.

Medical Cond Aggravated by Exposure:MANUFACTURER STATES NONE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER AND USE LOTION.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.

INGEST:DO NOT

INDUCE VOM ITING.GET PROMPT QUALIFIED MEDICAL ATTENTION OR CALL 800-424-9300 FOR THE NEAREST POISON CONTROL CENTER.

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

Flash Point:FLAMM AEROSOL

Lower Limits:1

Upper Limits:6

Extinguishing Media:CARBON DIOXIDE,FOAM.A DIRECT WATER STREAM MAY SPREAD BURNING LIQUID.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST AT ELEVATED TEMPERATURES.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE BELOW 130F IN A WELL-VENTILATED

PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,SPARKS,FLAMES.

Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID SKIN AND EYE CONTACT.

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

Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.USE IN CONJUNCTION WITH PROCESS VENTILATION.

Ventilation:USE LOCAL EXHAUST(PROCESS VENTILATION).

Protective Gloves:NITRILE RUBBER

Eye Protection:SAFETY GLASSES

Other Protective

Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A
LOCAL EYE WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS
PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.
Supplemental Safety and Health
NONE

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

HCC:V3
Boiling Pt:B.P. Text:455F,235C
Vapor Pres:60PSI
Vapor Density:>1
Spec Gravity:0.96
pH:7
Viscosity:9.22CST@100F
Evaporation Rate & Reference:NEGLIGIBLE
Solubility in Water:0
%
Appearance and Odor:GREEN OILY LIQUID,MILD ODOR.
Percent Volatiles by Volume:30

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

Stability Indicator/Materials to Avoid:YES
MANUFACTURER STATES NONE.
Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.
Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL REGULATIONS.

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