

MAGNAFLUX CORPORATION -- ZL-27A ZYGLO PENETRANT -- 6850-00-782-2740

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Product Identification
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Product ID:ZL-27A ZYGLO PENETRANT

MSDS Date:01/01/1991

FSC:6850

NIIN:00-782-2740

MSDS Number: BPKNR

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W LAWRENCE AVE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone Num:708-867-8000

Emergency Phone Num:708-867-800

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Preparer's Name:B.C. GRAHAM CHIEF CHEMIST

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/

CAGE:37676

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Composition/Information on Ingredients
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Ingred Name:WHITE MINERAL OIL

CAS:8042-47-5

RTECS #:PY8047000

Fraction by Wt: 30.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:KEROSENE (ALIPHATIC HYDROCARBON)

CAS:8008-20-6

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TECS #:OA5500000
Fraction by Wt: 10.0%
Other REC Limits:100 MG/M3

Ingred Name:ISOBUTANE
CAS:75-28-5
RTECS #:TZ4300000
Fraction by Wt: 30.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO
CENTRAL NERVOUS SYSTEM DEPRESSION, LEA
DING TO IRRITATION, HEADACHE,
NAUSEA, DIZZINESS. EYE: MAY LEAD TO IRRITATION. SKIN: MAY LEAD TO
DERMATITIS. INGESTION: MAY LEAD TO VOMITING OR GASTRIC UPSET.
Explanation of Carcinogenicity:NONE NOTED
Effects of Overexposure:OVEREXPOSURE MAY LEAD TO RESPIRATORY
IRRITATION, NAUSEA, FATIGUE, DIZZINESS, HEADACHES, AND EYE
IRRITATION.
Medical Cond Aggravated by Exposure:PERSONS WITH A SKIN DISORDER SHOULD
USE CAUTION WHEN HANDLING OR USING THIS PRODUCT.

===== F
irst Aid Measures =====

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.
GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO
FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION.
EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING
EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE
MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF
UNCONSCIOUS.

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Fire Fighting Measures =====

Flash Point Method:PMCC

Flash Point:AEROSOL

Lower Limits:1.0

Upper Limits:6.0

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. CONTAINER MAY BURST OVER 130F.

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

Spill Release Procedures:SMALL SPILL MAY BE WIPE UP AND USE PROPER PERSONAL PROTECTION. MAY BE SENT TO SOLVENT RECLAIMER. ENSURE THAT AEROSOL CANS ARE EMPTY AND DEPRESSURIZED BEFORE DISCARDING UNLESS A WASTE TREATMENT FACILITY IS APPROVED TO ACCEPT THEM AS IS.

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

Handling and Storage Precautions:STORE IN A COOL, VENTILATED WORK AREA.

KEEP CONTAINERS CLOSED WHEN NOT IN USE. EMPTY CONTAINERS CAN BE HAZARDOUS.

Other Precautions:AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE VAPORS AND MIST.

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

Respiratory Protection:NONE NEEDED UNDER NORMAL USE. USE NIOSH/MSHA APPROVED RESPIRATOR IN POOR VENTILATED AREAS.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective

Gloves:NEOPRENE,

Eye Protection:USE CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT.

WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

FOLLOW MFR INSTRUCTIONS. USE WITH CARE.

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

HCC:V3

Boiling Pt:B.P. Text:410F,210C

Vapor Pres:0.5 MM

Vapor Density:>1.0 AIR=1

Spec Gra

vity:0.96
pH:NEUTRL
Evaporation Rate & Reference:NEGLIGIBLE
Solubility in Water:NEGLIGIBLE
Appearance and Odor:GREEN OILY LIQUID
Percent Volatiles by Volume:5.0

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

Stability Indicator/Materials to Avoid:YES
ZINC POWDER AND ALUMINUM POWDER
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND
OTHER HYDROCARBON COMPOUNDS DUR
ING COMBUSTION. ALSO PHOSGENE AND
HCL

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

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

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