

MAGNAFLUX CORPORATION -- ZL-27A ZYGLO PENETRANT (POST 11/1988) -- 6850-00-782-2736

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Product Identification  
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Product ID:ZL-27A ZYGLO PENETRANT (POST 11/1988)

MSDS Date:11/28/1988

FSC:6850

NIIN:00-782-2736

MSDS Number: BHQCP

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W. LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone Num:708-867-80

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Emergency Phone Num:708-867-8000

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 (PETROLEUM)

CAS:8042-47-5

RTECS #:PY8047000

Fraction by Wt: 30.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 AS OIL MIST

ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:KEROSENE  
CAS:8008-20-6  
RTECS #:OA5500000  
Fraction by Wt: 10.0%  
ACGIH TLV:100MG/CUM

Ingred Name:PER MFR MSDS, "CONTAINS NO OTHER INGREDIENT SUSPECTED OF  
BEING HAZARDOUS ACCORDING TO 29CFR1910.1200 OSHA HAZCOMM RULE.  
RTECS #:9999999ZZ

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:IRRITATES EYES,MILDLY.  
Effects of Overexposure:INHALATION:VAPORS MAY CAUSE  
DIZZIN  
ESS,NAUSEA.SPRAY MIST MAY IRRITATE BREATHING PASSAGES;  
EYES:LIQUID CONTACT MAY CAUSE MILD IRRITATION; SKIN:MAY CAUSE  
IRRITATION. DISSOLVES SKIN OILS. INGESTION:CAUSES GASTRIC UPSET.  
Medical Cond Aggravated by Exposure:NOT STATED BY MANUFACTURER.

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

First Aid:INHALATION:REMOVE TO FRESH AIR.IF BREATHING IS DIFFICULT,GIVE  
OXYGEN; SKIN:REMOVE CONTAMINATED CLOTHES.WASH OFF WITH FLOWING  
WATER.USE SOOTHING LOTION.IF IR  
RITATION PERSISTS,GET MEDICAL ATTN;  
EYES:IMM EDIATELY RINSE/FLUSH WITH COPIOUS AMOUNT OF RUNNING  
WATER,AND GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC  
Flash Point:200F/ 93C  
Extinguishing Media:CARBON DIOXIDE,FOAM.  
Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT  
SPRAY ON BURNING PRODUCT.  
Unusual Fire/Explosion Hazard:WHEN INVOLVE IN COMBUSTION,MAY EMIT TOXIC  
GASES AT OR ABOVE DECOMPOSIT

ION TEMPERATURE.

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

Spill Release Procedures:REMOVE IGNITION SOURCES.SMALL SPILL:WIPE UP OR MOP UP BUT DO NOT BREATHE VAPORS.PLACE RAGS IN CLOSED DRUMS; LARGE SPILL:WEAR PERSONAL SAFETY EQUIPMENTS.DIKE AREA FAR AHEAD.ABSORB LIQUID WITH COMMERCIAL ABSORBENT.TRANSFER WASTE MATL IN SALVAGE TANKS.

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

Handling and Storage Precautions:STORE AWAY FROM HEAT SOURCES IN WELL

VENTILATED AREA.AVOID AGAINST PHYSICAL DAMAGE TO CONTAINERS.KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:DO NOT BREATHE VAPORS.DO NOT SMOKE WHILE USING.DO NOT HEAT ABOVE 130F(54C).AVOID FREQUENT OR PROLONGED SKIN CONTACT.

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

Respiratory Protection:WEAR A RESPIRATOR WITH CHEMICAL CARTRIDGE. IN CONFINED AREAS,WEAR A FULL MASK WITH SEPARATE AIR SUPPLY.

Ventilation:GENERAL VENTILATION TO KEEP BELOW 350PPM LIMIT.

Protective Gloves:NITRILE RUBBER GLOVES.

Eye Protection:FULL GOGGLES.WHEN SPRAYING OR POURING.

Other Protective Equipment:EITHER USE IN A SPRAY BOOTH OR NEXT TO AN EXHAUST VENT.

Work Hygienic Practices:AVOID SKIN CONTACT.WASH THOROUGHLY AFTER HANDLING OR USE.LAUNDER CONTAMINATED CLOTTES.

Supplemental Safety and Health

THIS REPRESENTS NEW FORMULATION OF ZL-27A; OLD FORMULATION DATA UNDER PNI "C",THIS NSN; THE ZL-27A PENETRANT IS A QUALIFIED PRODUCT OF QPL-25135

-15 FOR TYPE I,METH B,LVL 3 FOR THE NSN; PER QPL-25135-1

5, ZL-22D PENETRANT IS ALSO FOR TYPE I,METH B,LEVEL 3 FOR THE SAME NSN OF THE SPEC.

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

HCC:N1

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

Vapor Pres:0.5 @100F

Vapor Density:1.0

Spec Gravity:0.95

Solubility in Water:NEGLIGIBLE

Percent Volatiles by Volume:5.0%

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

Stability Indicator/Materials to Avoid:YES

MFR STAT

ED "NONE".

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES.

Hazardous Decomposition Products:EMITS OXIDES OF CARBON AND NITROGEN ON COMBUSTION.

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

Waste Disposal Methods:INCINERATE OR DISPOSE OF AS EPA HAZARDOUS WASTE D001 (IGNITABLE WASTE),IN ACCORDANCE WITH ALL APPLICABLE FEDERAL,STATE,LOCAL REGULATIONS;IF LOCAL AUTHORIES PROHIBIT DUMPING RINSINGS DOWN THE SEWER,PUR IFY RINSINGS W/MAGNAFLUX WASTEWATER TR EATMNT SYSTM

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