

MAGNAFLUX CORPORATION -- ZYGLO PENETRANT ZL-2C -- 6850-00-782-2732

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Product Identification  
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Product ID:ZYGLO PENETRANT ZL-2C

MSDS Date:01/20/1993

FSC:6850

NIIN:00-782-2732

MSDS Number: BSVYX

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7301 WEST AINSLIE AVENUE

City:HARWOOD HTS

State:IL

ZIP:60656

Country:US

Info Phone Num:708-867-8000

Emergency Phone Num:708-867-80

00, CHEMTREC 800-424-9300

Preparer's Name:BRUCE C. GRAHAM

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: 40%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 AS OIL MIST

ACGIH TLV

:5 MG/M3 AS OIL MIST

Ingred Name:ISODECYL DIPHENYL PHOSPHATE

CAS:29761-21-5

Fraction by Wt: 15-40%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE- CAN IRRITATE SKIN BY REMOVING  
NATURAL SKIN OIL ON LONG/REPEATED EXPOSURES. CAN IRRITATE EYES BUT  
DOES NOT ATTACK EYE TISSUE. INHALATION CAU  
SES DIZZINESS AND NAUSEA.

INGESTION OF SMALL (MOUTHFUL ) AMOUNTS IS NOT SIGNIFICANT. CHRONIC-  
UNKNOWN. TARGET ORGANS:EYES, SKIN, RESPIRATORY TRACT.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION OF EYES, SKIN, RESPIRATORY TRACT,  
DIZZINESS, NAUSEA

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS

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

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH  
WATER

FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP &  
WATER. USE SOOTHING LOTION. INHALED:REMOVE TO FRESH AIR. PROVIDE  
CPR/OXY GEN IF NEEDED. ORAL:DO NOT INDUCE VOMITING. ACCIDENTAL  
INGESTION OF A SINGLE MOUTHFUL OF PRODUCT IS NOT EXPECTED TO CAUSE  
SIGNIFICANT HARM. IN ALL SEVERE CASES, CONTACT PHYSICIAN  
IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:200F,93C MIN.

Lower Limits:1

Upper Limits:6

Exti

Extinguishing Media: CARBON DIOXIDE OR FOAM. DO NOT SPRAY WATER ON BURNING ZL-2C; IT MAY FLOAT AND SPREAD THE FIRE.

Fire Fighting Procedures: WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN THE POSITIVE PRESSURE MODE. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard: NONE

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. MOP UP OR REMOVE WITH NON-FLAMMABLE ABSORBENT MATERIALS. PUT INTO CONTAINER. DISPOSE AS HAZARDOUS WASTE.

Neutralizing Agent: NOT RELEVANT

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

Handling and Storage Precautions: DO NOT SPRAY AROUND ARCS OR FLAME. STORE AWAY FROM HEAT SOURCES.

Other Precautions: "EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS. KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. DO NOT BREATHE VAPORS/MIST. DO NOT TAKE INTERNALLY.

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

Respiratory Protection: IF TLV IS EXCEEDED, NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.

Ventilation: NONE, UNLESS APPLIED AS SPRAY.

Protective Gloves: NITRILE RUBBER IF EXPOSURE UNAVOIDABLE

Eye Protection: CHEMICAL SAFETY GOGGLES IF SPRAYING

Other Protective Equipment: EYE WASH STATION, SAFETY SHOWER, LONG SLEEVED LONG PANTS

D LONG PANTS

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A/B/C/D UNDER THE SAME NSN.

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

HCC: T6

NRC/State Lic Num: NOT RELEVANT

Boiling Pt: B.P. Text: 455F, 235C

Melt/Freeze Pt: M.P/F.P Text: NOT KNOWN

Vapor Pres: 1

Spec Gravity: 0.87

Evaporation Rate & Reference: NEGLIGIBLE

Solubility in Water: INS

OLUBLE

Appearance and Odor:GREEN, OILY LIQUID

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:HIGH TEMPERATURES

Hazardous Decomposition Products:SOOT, CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. AS A NON-HAZARDOUS OILY WASTE, INC

INERATE IT OR SENT TO WASTE HANDLER WHO CAN BLEND IT INTO SECONDARY FUELS.

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