

MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC -- ZYGLO PENETRANT ZL-2C -- 6850-01-268-6703

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Product Identification  
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Product ID:ZYGLO PENETRANT ZL-2C

MSDS Date:02/19/1999

FSC:6850

NIIN:01-268-6703

Status Code:A

MSDS Number: CLRLV

=== 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

:847-657-5300 / 5338 (FAX)

Emergency Phone Num:847-657-5300 OFF HRS: 800-424-9300

Preparer's Name:CHERI A. STOCKHAUSEN

Chemtrec Ind/Phone:(800)424-9300

CAGE:KO362

=== Contractor Identification ===

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Composition/Information on Ingredients  
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Ingred Name:ISODECYL DIPHENYL PHOSPHATE

CAS:29761-21-5

Minumum

% Wt:15.

Maxumum % Wt:40.

Ingred Name:WHITE MINERAL OIL (PETROLEUM)

CAS:8042-47-5

RTECS #:PY8047000

Minumum % Wt:30.

Maxumum % Wt:60.

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

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

Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECTS: SKIN

CONTACT:CAN IRRITATE BY REMOVING NATURAL SKIN OILS ON LONG OR  
REPEATED EXPOSURES. EYES:MAY CAUSE IRRITATION. INHALATION:NOT  
SIGNI

FICANT AT ROOM TEMPERATURES. WHEN HEATED OR SPRAYED, ZL-2C VAPORS MAY CAUSE DIZZINESS AND NAUSEA. INGESTION:NOT SIGNIFICANT IN SMALL (MOUTHFUL) AMOUNTS.

Explanation of Carcinogenicity:CONTAINS NO KNOWN OR SUSPECT CARCINOGENS LISTED WITH OSHA, IARC, NTP OR ACGIH.

Medical Cond Aggravated by Exposure:NONE.

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

First Aid:SKIN CONTACT:WASH OFF WITH SOAP AND WATER. USE SOOTHING LOTION. EYES:RINSE CAREFULLY UNDER UPPER AND LOWER EYELIDS USING PLENTY OF WATER. INHALATION:REMOVE TO FRESH AIR IF DIZZY OR NAUSEATED. INGESTION:DO NOT INDUCE VOMITING. ACCIDENTAL INGESTION OF A SMALL MOUTHFUL IS NOT EXPECTED TO CAUSE SIGNIFICANT HARM. NOTE:IN ALL SEVERE CASES, CONTACT PHYSICIAN IMMEDIATELY. LOCAL TELEPHONE OPERATORS CAN FURNISH NUMBER OF REGIONAL POISON CONTROL CENTER.

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

Flash Point Method:PMCC

Flash Point:93.3C, 200.F  
MIN

IMUM

Lower Limits:1%

Upper Limits:6%

Extinguishing Media:CARBON DIOXIDE, FOAM.

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE. CONDITIONS OF FLAMMABILITY:HEATING ABOVE 200°F (93°C) IN PRESENCE OF IGNITION SOURCES.

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

Spill Release Procedures:MOP UP OR SWEEP UP WITH ABSORBENT.

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

Handling and Storage Precautions:

AVOID BREATHING SPRAY MIST. AVOID

REPEATED OR PROLONGED SKIN CONTACT. AVOID EYE CONTACT.

Other Precautions:EMERGENCY OVERVIEW: BLAND OILY LIQUID WHICH MAY IRRITATE THE SKIN AND EYES.DIFFICULT TO IGNITE, BUT WILL BURN VIGOROUSLY IF ENGULFED IN FIRE.

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

Respiratory Protection:RESPIRATOR WITH FILTER IF SPRAYED IN ENCLOSED UNVENTILATED SPACE.

Protective Gloves:WEAR NITRILE RUBBER GLOVES IF HAND EXPOSURE IS UNAV

OIDABLE.

Eye Protection:WEAR SAFETY GLASSES TO PROTECT EYES.

Supplemental Safety and Health

PRODUCT USE:FLUORESCENT INSPECTION PENETRANT. PACKAGES:1 GALLON CANS, 5 GALLON PAILS, 20 AND 55 GALLON DRUMS. NFPA RATING:HEALTH 1, FLAMMABILITY 1, REACTIVITY 0. PIN (CANADA):NONE.

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

HCC:N1

Boiling Pt:=235.C, 455.F

B.P. Text:ASTM D-86

Vapor Pres:1

Spec Gravity:0.87

pH:NEUTRAL

Evaporation Rate & Reference:NEGLIGIBLE

Solubility

in Water:O, EMULSIFIES INTO WATER

Appearance and Odor:GREEN, OILY LIQUID. MILD ODOR.

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

NONE

Hazardous Decomposition Products:SOOT, OXIDES OF CARBON AND NITROGEN IF HEATED TO COMBUSTION TEMPERATURE.

===== Toxicological Information =====

Toxicological Information:CARCINOGENICITY:CONTAINS NO KNOWN OR SUSPECTED CARCINO

GENS LISTED WITH OSHA, IARC, NTP, OR ACGIH.

THRESHOLD LIMIT VALUE:5 MG/M FOR OILY MIST WHMIS INFORMATION

(CANADA):ACCORDING TO AVAILABLE INFORMATION, THE INGREDIENTS HAVE NOT BEEN FOUND TO SHOW REPRODUCTIVE TOXICITY, TERATOGENICITY, MUTAGENICITY, SKIN SENSITIZATION, OR SYNERGISTIC TOXIC EFFECTS WITH OTHER MATERIALS.

===== Ecological Information =====

Ecological:NO DATA IS AVAILABLE ON ZL-2C. IT EMULSIFIES INTO WATER AND IS BIODEGRADABL

E. ITS LOW BULK VAPOR PRESSURE MAY EXEMPT IT FROM  
VOC RESTRICTIONS.

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

Waste Disposal Methods:AS NON-HAZARDOUS OILY WASTE, INCINERATE OR SEND  
TO WASTE HANDLER WHO CAN BLEND IT INTO SECONDARY FUELS. RCRA: NOT  
A HAZARDOUS WASTE. U.S. EPA WASTE NUMBER: NONE.

===== MSDS Transport Information =====

Transport Information:U.S.DOT:49 CFR 172.101 HAZARDOUS MATERIALS TABLE.  
BULK. PROPER SHIP  
PING NAME:NONE, NOT RESTRICTED. HAZARD CLASS OR  
DIVISION:NONE. IDENTIFICATION NO.:NONE. PACKING GROUP:NONE.

===== Regulatory Information =====

SARA Title III Information:CERCLA:NOT REPORTABLE. SARA TITLE  
III,SECTION 313:NO REPORTABLE INGREDIENTS.

Federal Regulatory Information:TSCA:ALL INGREDIENTS ARE LISTED IN TSCA  
INVENTORY. WHMIS CLASS (CANADA):BULK: D-2B. NOTE:THIS MSDS HAS BEEN  
PREPARED TO MEET WHMIS (CANADA) REQUIREMENTS WITH THE EXCEPTIO  
N OF  
USING 16 HEADINGS.

State Regulatory Information:CALIFORNIA PROPOSITION 65:CONTAINS NOTHING  
ON THIS LIST.

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