

MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC -- ZYGLO PENETRANT ZL-56 -- 6850-01-263-2264

===== Product Identification =====

Product ID:ZYGLO PENETRANT ZL-56

MSDS Date:02/19/1999

FSC:6850

NIIN:01-263-2264

Status Code:A

MSDS Number: CLRLW

=== 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 ===

Company Name:MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC

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City:GLENVIEW

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===== Composition/Information on Ingredients =====

Ingred Name:ALCOHOLS, C12-18, ETHOXYLATED PROPOXYLATED

CAS:6922

7-21-0

Minumum % Wt:15.

Maxumum % Wt:40.

Ingred Name:ALCOHOLS, C11-15-SECONDARY, ETHOXYLATED

CAS:68131-40-8

RTECS #:WZ5200000

Minumum % Wt:10.

Maxumum % Wt:30.

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

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:IRRITATING. INHALATION:NOT SIGNIFICANT.  
WHEN HEATED

OR SPRAYED, ZL-56 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.

===== 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.

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

Flash Point Method:PMCC  
Flash Point:=-93.3C, 200.F  
MINIMUM  
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.

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

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

===== 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.

===== 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  
UNAVOIDABLE.  
Eye Protection:WEAR SAFETY GLASSES

O 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:1.01

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 CARCINOGENS 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-56. IT EMULSIFIES INTO WATER AND IS BIODEGRADABLE. 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. EMPTY AEROSOL CANS BEFORE DISPOSAL. 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 SHIPPING 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 EXCEPTION OF USING 16 HEADINGS.

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

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