

MAGNAFLUX CORPORATION -- ZL-30B ZYGLO PENETRANT -- 6850-01-268-6696

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

Product ID:ZL-30B ZYGLO PENETRANT
MSDS Date:11/19/1986
FSC:6850
NIIN:01-268-6696
MSDS Number: BGSCH
=== Responsible Party ===
Company Name:MAGNAFLUX CORPORATION
Address:7300 W.LAWRENCE AVENUE
City:CHICAGO
State:IL
ZIP:60656-3504
Country:US
Info Phone Num:312-867-8000
Emergency Phone Num:312-867-8000
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

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

Ingred Name:LUBRICATING OIL(PETROLEUM),CLAY TREATED(MINERAL OIL-CLAY TREATED)
CAS:64742-50-3
Fraction by Wt: 10.0%

Ingred Name:KEROSENE
CAS:8008-20-6
RTECS #:OA5500000
Fraction by Wt

: 05.0%
ACGIH TLV:100MG/CUM

Ingred Name:DISTILLATES(PETROLEUM),CATALYTIC REFORMER FRACTIONATER
RESIDUE,LOW BOILING
CAS:68477-31-6
Fraction by Wt: 30.0%
OSHA PEL:5MG/CUM FOR OIL MIST
ACGIH TLV:5MG/CUM FOR OIL MIST

Ingred Name:UNIDENTIFIED COMPONENTS;PER MFR CONTAINS NO OTHER
INGREDIENTS SUSPECTED OF BEING HAZARDOUS I/A/W INFO IN
29CFR1910.1200
Fraction by Wt: 55.0%

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

Routes of Entry: Inhalation:NO Skin:YES Ingesti
on:NO

Health Hazards Acute and Chronic:ACUTE:CAUSES DIZZINESS,NAUSEA IF
INHALED AND CAUSES SKIN/EYE IRRITATION ON CONTACT.

Explanation of Carcinogenicity:PER MFR,CONTAINS NO KNOWN OR SUSPECTED
CARCINOGENS.

Effects of Overexposure:INHALATION:CAUSES DIZZINESS,DROWSINESS,NAUSEA;
SKIN:LIQUID IRRITATES BY DISSOLVING SKIN OIL; EYES:VAPORS/LIQUID
CAUSES IRRITATION; INGESTION:NOT LISTED ON MSDS BY MFR BUT MAY BE
HARMFUL.

Medical Cond Aggravated by Exposure:NOT KNOWN

===== 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 IRRITATION 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 Me

dia:CARBON DIOXIDE,FOAM

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT SPRAY WATER ON BURNING ZL-30B.

Unusual Fire/Explosion Hazard:WHEN INVOLVE IN COMBUSTION,MAY EMIT TOXIC GASES AT OR ABOVE DECOMPOSITION TEMPERATURE.

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

Spill Release Procedures:REMOVE IGNITION SOURCES.SM QTY:WIPE UP OR MOP UP BUT DO NOT BREATHE VAPORS.PLACE RAGS IN CLOSED DRUMS; LG QTY:WEAR PERSONAL SAFETY EQUIPMENTS.DIKE AREA FAR AHEAD.ABSORB LIQUID WITH COMMERCIAL ABSORBENT.T.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.

===== Exp
posure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR FOR CONFINED AREAS;IF USING IN POORLY VENTILATED AREA,USE RESPIRATOR WITH CHEMICAL CARTRIDGE.

Ventilation:GENERAL ROOM VENTILATION TO KEEP BELOW TLV LIMITS;PER MFR,USE IN SPRAY BOOTH OR WHERE VENTILATION IS ADEQUATE.

Protective Gloves:USE NITRILE RUBBER GLOVES IF NEEDED.

Eye Protection:FULL GOGGLES/SAFETY GLASSES W/SIDESHIELD

Other Protective Equipment:NOT KNOWN

Work Hygienic Pract

ices:WASH OFF PROMPTLY WITH WATER.AVOID SKIN CONTACT WITH ZL-30B PENETRANT.

Supplemental Safety and Health

NSN OF MIL-I-25135,TYPE I,METHOD C,LEVEL 4;PER QPL-25135-15,MAGNAFLUX MAY SUPPLY ONE OF THE FOLLOWING PENETRANTS FOR TYPE I,METHOD B,LEVEL 4,UNDER THIS NSN:ZL-38,ZL-37,OR ZL-30B;THIS ENTRY DESCRIBES Z L-30B;PRODUCT NOT AVAILABLE IN AEROSOL CANS.SEE OTHER PNI OF THIS NSN FOR OTHER QUALIFIED ITEMS OF REV "D" SPEC.

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

=====

HCC:N1
Boiling Pt:B.P. Text:410F/210C
Vapor Pres:1.0
Spec Gravity:0.96
Solubility in Water:NEGLIGIBLE
Appearance and Odor:GREEN OILY LIQUID
Percent Volatiles by Volume:5%

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

Stability Indicator/Materials to Avoid:YES
NONE KNOWN
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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use
. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.