

MAGNAFLUX CORPORATION -- ZL-37 ZYGLO PENETRANT -- 6850-01-121-0945

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

Product ID:ZL-37 ZYGLO PENETRANT

MSDS Date:07/17/1986

FSC:6850

NIIN:01-121-0945

MSDS Number: BGMTJ

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W.LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656

Country:US

Info Phone Num:312-867-8000

Emergency Phone Num:312-867-8000

Pre

parer'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:DISTILLATES,(PETROLEUM)HYDROTREATED MIDDLE

CAS:64742-46-7

RTECS #:JN9379645

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:NONYLPHENOL POLYETHOXATE

CAS:9016-45-9

RTECS #:MD0900000

Fraction by Wt: 3-7%

Other REC Limits:NONE RECOMMENDED

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

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

Health Hazards Acute and Chronic:IRRITATES EYES.

Effects of Overexposure:INHALATION:CAUSES DIZZINESS,DROWSINESS,NAUSEA;
SKIN:LIQUID IRRITATES BY DISSOLVING SKIN OIL; EYES:VAPORS/LIQUID
CAUSES IRRITATION.

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

FI

Flash Point:>200F/>93C

Extinguishing Media:CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:WHEN INVOLVING 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 A

REA FAR AHEAD.ABSORB

LIQUID WITH COMMERCIAL ABSORBENT.T.TRANSFER WASTE MATERIAL 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.

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

Work Hygienic Practices:WASH CONTAMINATED CLOTHES BEFORE RE-USE.WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

ITEM IS ZL-37 ZYGLO PENETRAN.PER QPL-25135-15,IT IS QUALIFIED FOR TYPE I,METHOD D,LEVEL 4 OF MIL-I-25135D.THIS ITEM ALSO AVAILABLE IN THE KITS OF TYPE I,METHOD D LEVEL 4 WITH ZR-10A OR ZR-10B EMULSIFIER .

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

HCC:N1

Boiling Pt:B.P. Text: