

MAGNAFLUX CORPORATION -- ZL-60C WATER WASHABLE PENETRANT -- 6850-01-265-2741  
===== Product Identification =====

Product ID:ZL-60C WATER WASHABLE PENETRANT

MSDS Date:03/17/1987

FSC:6850

NIIN:01-265-2741

MSDS Number: BGRWQ

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W LAWRENCE AVE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone Num:312-867-8000

Emergency Phon

e Num:312-867-8000

Preparer's Name:BRUCE C. GRAHAM (CHEMIST)

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:HYDROTREATED MIDDLE PETROLEUM DISTILLATE

CAS:64742-46-7

RTECS #:JN9379645

Fraction by Wt: 40%

Other REC Limits:NONE ESTABLISHED

Ingred Name:ALIPHATIC

PETROLEUM SOLVENT  
CAS:8008-20-6  
RTECS #:OA5500000  
Fraction by Wt: 10%  
Other REC Limits:NONE ESTABLISHED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA: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  
Condition Aggravated by Exposure:NOT KNOWN

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===== 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:IMMEDIATELY RINSE/FLUSH WITH COPIOUS AMOUNT OF RUNNING  
WATER,AND GET MEDICAL ATTENTION; INGESTION:NOT NOTED BY THE  
MANUFACTURER.HOWEVER,GET MEDICAL ATTENTION IMMEDIATELY  
IF INGESTED.

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

Flash Point Method:PMCC  
Flash Point:>200F/>93C  
Lower Limits:6.0  
Upper Limits:1.0  
Extinguishing Media:CARBON DIOXIDE,FOAM  
Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT  
SPRAY WATER ON BURNING PRODUCT.  
Unusual Fire/Explosion Hazard:WHEN INVOLVE IN COMBUSTION,MAY EMIT TOXIC  
GASES AT OR ABOVE DECOMPOSITION TEMPERATURE.

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

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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 MATERIAL TO 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 ABSORBENT CARTRIDGE IN POORLY VENTILATED AREAS.IN CONFINED,UNVENTILATED SPACES,WEAR FULL MASK WITH AIR SUPPLY.

Ventilation:GENERAL VENTILATION TO KEEP BELOW TLV LIMITS.

Protective Gloves:NITRILE RUBBER GLOVE

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Eye Protection:CHEMICAL SPLASH/FULL GOGGLES

Work Hygienic Practices:WASH HANDS WITH SOAP/WATER AFTER HANDLING/USE.

Supplemental Safety and Health

ITEM IS ONE PART;NSN ESTABLISHED IN 1987 WAS FOR TYPE I,METHOD C,LEVEL 2 MATERIALS;THIS ENTRY DESCRIBES ZL-60C PENETRANT WHICH IS TYPE I,METHOD C,LEVEL 2 ITEM AS SPECIFIED BY QPL-25135-15 FOR MIL-I-25 135,REV "D";SEE OTHER PNI OF THIS NSN FOR OTHER PRODUCTS OF MAGNAFLUX FOR THE SAME TYPE,METHOD & LEVEL.

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

HCC:N1

Boiling Pt:B.P. Text:410F/210C

Vapor Pres:0.5 @ 100F

Vapor Density:>1.0

Spec Gravity:0.88

Solubility in Water:NEGLIGIBLE

Appearance and Odor:GREEN OILY LIQUID,PETROLEUM HYDROCARBON ODOR

Percent Volatiles by Volume:5.0%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES.

Hazardous Decomposition Products:EMITS OXIDE

S OF CARBON WHEN BURNING.

===== 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;IF LOCAL REGS PROHIBIT DUMPING RINSINGS DOWN THE SEWER,PURIFY R INSINGS WITH MAGNAFLUX WASTEWATER TREATMENT SYSTM.

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