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MAGNAFLUX CORPORATION -- ZL-27A ZYGLO PENETRANT -- 6850-00-782-2736

Product ID:ZL-27A ZYGLO PENETRANT

MSDS Date:01/01/1991

FSC:6850

NIIN:00-782-2736

MSDS Number: BPKNP === Responsible Party ===

Company Name: MAGNAFLUX CORPORATION

Address:7300 W LAWRENCE AVE

City:CHICAGO

State:IL

ZIP:60656-3504 Country:US

Info Phone Num:708-867-8000

Emergency Phone Num:708-867-800

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Preparer's Name: B.C. GRAHAM CHIEF 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: WHITE MINERAL OIL

CAS:8042-47-5

RTECS #:PY8047000 Fraction by Wt: 30.0%

Other REC Limits: NONE RECOMMENDED

Ingred Name: KEROSENE (ALIPHATIC HYDROCARBON)

CAS:8008-20-6

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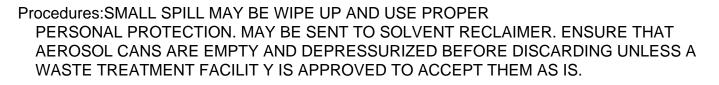
TECS #:OA5500000 Fraction by Wt: 10.0% Other REC Limits: 100 MG/M3 Ingred Name: OTHER INGREDIENTS ========== Hazards Identification =============== Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION, LEADING TO IRRITATION, HEADACHE, NAUSEA, DIZZINESS. EYE: MAY LEAD TO IRRITATION. SKIN: MAY LEAD TO DERMATITIS. INGESTION: MAY LEAD TO VOMITING OR GASTRIC UPSET. **Explanation of Carcinogenicity: NONE NOTED** Effects of Overexposure: OVEREXPOSURE MAY LEAD TO RESPIRATORY IRRITATION, NAUSEA, FATIGUE, DIZZINESS, HEADACHES, AND EYE IRRITATION. Medical Cond Aggravated by Exposure: PERSONS WITH A SKIN DISORDER SHOULD USE CAUTION WHEN HANDLING OR USING THIS PRODUCT. First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. Flash Point Method:PMCC Flash Point: 200F, 93C Lower Limits: 1.0 Upper Limits:6.0 Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY

CHEMICAL.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. CONTAINER MAY BURST **OVER 130F.**

Spill Release



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

Handling and Storage Precautions:STORE IN A COOL, VENTILATED WORK AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE. EMPTY CONTAINERS CAN BE HAZARDOUS.

Other Precautio

ns:AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE VAPORS AND MIST.

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

Respiratory Protection: NONE NEEDED UNDER NORMAL USE. USE NIOSH/MSHA APPROVED RESPIRATOR IN POOR VENTILATED AREAS.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves: NEOPRENE,

Eve Protection: USE CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY S HOWER.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT. WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

FOLLOW MFR INSTRUCTIONS. USE WITH CARE.

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

HCC:V4

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

Vapor Pres: O.5 MM

Vapor Density:>1.0 AIR=1

Spec Gravity:0.96

pH:NEUTRL

Evaporation Rate & Evaporation R

Solubility in Water: NEGLIGIBLE

Appearance and Odor

GREEN OILY LIQUID
Percent Volatiles by Volume:5.0

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

Stability Indicator/Materials to Avoid:YES
ZINC POWDER AND ALUMINUM POWDER
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND OTHER HYDROCARBON COMPOUNDS DURING COMBUSTION. ALSO PHOSGENE AND HCL

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

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ste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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