

MAGNAFLUX CORPORATION -- SKL-HF/S SPOTCHECK PENETRANT -- 6850-01-264-8678  
===== Product Identification =====

Product ID:SKL-HF/S SPOTCHECK PENETRANT

MSDS Date:05/28/1986

FSC:6850

NIIN:01-264-8678

MSDS Number: BGRVB

=== 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:3

12-867-8000

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:DISTILATES(PETROLEUM),CATALYTIC REFORMER FRACTIONATER  
RESIDUE,LOW BOILING.

CAS:68477-31-6

Fraction by Wt: >85.0%

Ingred Name:KEROSENE

CAS:8008-20-6

RTECS

#:OA5500000  
Fraction by Wt: 10.0%  
ACGIH TLV:100MG/CUM

Ingred Name:C.I. SOLVENT YELLOW 14 (SARA III)  
CAS:842-07-9  
RTECS #:QL4900000  
Fraction by Wt: 01.0%

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:ACUTE:PRIMARILY CAUSES IRRITATION TO EYES & SKIN.  
Effects of Overexposure:INHALATION:CAUSES DIZZINESS,NAUSEA,DROWSINESS,FROM INHALATION OF SPRAY MIST;  
SKIN:CAUSES IRRITATION,DISSOLVES SKIN OILS.POSSIBLE DERMATITIS ON FREQUENT OR PROLONGED EXPOSURE; EYES:MODERATE IRRITATION BY CONTACT OF LIQUID OR SPRAY; INGESTION:LOW TOXICITY,BUT HAZARDOUS IF ASPIRATED INTO LUNGS BY INGESTION OR VOMITING.  
Medical Cond Aggravated by Exposure:NOT STATED BY MANUFACTURER.

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First Aid Measures  
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First Aid:INHALATION:REMOVE TO FRESH AIR.IF NOT BREATHING,GIVE CPR.IF BREATHING IS DIFFICULT,GIVE OXYGEN; SKIN:WASH OFF IN FLOWING WATER OR SHOWER.RMV CONTAMINATED CLOTHING AND WASH BEFORE RE-USE.USE SOOTHING LOTION; EYES:FLUSH EYES WITH A STEADY,GENTLE FLOW OF WATER.GET MEDICAL ASST; INGESTION:DO NOT INDUCE VOMITING.IF VOMIT IS INHALED,IT MAY CAUSE ASPHYXIATION.GET MED ATTN IMMEDIATELY;IN EMERGENCY CALL MD

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Fire Fighting Measures  
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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.  
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.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.DO NOT SPRAY INTO FLAMES,ARCS,HOT SURFACES.

===== 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 THOROUGHLY AFTER HANDLING.LAUNDER CONTAMINATED CLOTHES BEFORE RE-USE.  
Supplemental Safety and Health  
1 PT PROD; QPL-25135-15 SPECIFIED SKL-HF/S PENETRANT AS TYPE II,METHOD C, PRODUCT OD MIL-I-25135,REV "D";THIS ENTRY DESCRIBES SKL-HF/S PENETRANT;THE QPL-25135-15 ALSO QUALIFIED OTHER PRODUCTS SUCH AS SKL-HT;SKL-LO;SKL-LT;& SKL-WP PENETRANTS OF MAGNAFLUX CORP FOR TYPE II,METHOD C;SEE OTHER P/N IND FOR THESE ITEMS.KEY1:N1.

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

HCC:N1  
Boiling Pt:B.P. Text:400F/203C  
Vapor Pres:0.5 @100F  
Spec Gravity:0.97  
Solubility

y in Water:NEGLIGIBLE  
Appearance and Odor:DARK RED LIQUID

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:HEAT,HIGH TEMPERATURES.  
Hazardous Decomposition Products:EMITS OXIDES OF CARBON AND NITROGEN.

===== 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.

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