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Form Approved
OMB No. 44-R1387

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

DPM-1412

MAR 6 1980

MATERIAL SAFETY DATA SHEET

Dye, Penetrant, Contrast

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: MAGNAFLUX CORPORATION	EMERGENCY TELEPHONE NO.: (312) 867-8000
ADDRESS (Number, Street, City, State, and ZIP Code): 7300 W. Lawrence Ave. Chicago, Illinois 60656	
CHEMICAL NAME AND SYNONYMS:	TRADE NAME AND SYNONYMS: SKL-HF/SKL-S Spotcheck Penetrant
CHEMICAL FAMILY:	FORMULA: Aerosol

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS			Propellant: CO_2	2	5000

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Alkly Naphthalene	85	200ppm
Poly(ethylene-propylene) Glycol	10	unknown
C.I. Solvent Red 108	5	unknown

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) IBP	400°F	SPECIFIC GRAVITY (H_2O=1)	0.97
VAPOR PRESSURE (mm Hg.)	<1mm	PERCENT, VOLATILE BY VOLUME (%)	None
VAPOR DENSITY (AIR=1)	Unkown	EVAPORATION RATE (_____ =1)	N/A
SOLUBILITY IN WATER	Insoluble		

APPEARANCE AND ODOR: Dark red liquid, mothball odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): 201°F PM Closed Cup	FLAMMABLE LIMITS: Unknown	Lel	Uel

EXTINGUISHING MEDIA: Carbon Dioxide, Foam

SPECIAL FIRE FIGHTING PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARDS

(Continued on reverse side)

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
200 ppm

EFFECTS OF OVEREXPOSURE
Dizziness, drowziness, nausea, Liquid is strong solvent and can dissolve fat from skin causing irritation

EMERGENCY AND FIRST AID PROCEDURES
Inhalation: Remove to fresh air.
Wash from skin when exposed. Remove clothing soaked with SKL-HF/SKL-S

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*
Will soften or well many plastics, rubbers, organic coatings.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Soak up with sweeping or spill compounds, or wipe up with rags

WASTE DISPOSAL METHOD
Incinerate, treat as oily waste

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
Mist collecting respirator, if spraying in confined place

VENTILATION	LOCAL EXHAUST	SPECIAL
	For spray application	
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES
Desirable if hand exposure is unavoidable

EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store away from heat, keep dry, do not spray near open flame

OTHER PRECAUTIONS
Avoid frequent or prolonged skin contact