

MAGNAFLUX CORPORATION MATERIAL SAFETY DATA SHEET

PRODUCT: SKL-HF/S SPOTCHECK PENETRANT

HMIS*

H HEALTH	1
F FLAMMABILITY	1
R REACTIVITY	0
PERSONAL PROTECTION	B

NO. 4502R © 1981 NFPA

GOGGLES

1. IDENTIFICATION

ADDRESS: 7300 West Lawrence Avenue, Chicago, Illinois 60656
TELEPHONE: (312) 867-8000
PACKAGES: 1 quart and 1 gallon cans, 5 gallon pail, 55 gallon drum, 12 fl. oz. aerosol
CHEMICAL FAMILY: Mixture, mostly aromatic hydrocarbons
HMIS RATING: Health 1, Flammability 1, Reactivity 0.

2. HAZARDOUS INGREDIENTS

Distillates (Petroleum), catalytic reformer fractionator residue, low boiling, CAS #68477-31-6,
TLV: Not Established, Over 85%

Kerosene, CAS #8008-20-6, TLV: 100 mg/m³, About 10%

2-Naphthalenol, 1-phenylazo-, CAS #842-07-9, TLV: Not Established. About 1%. C.I. Solvent Yellow 14

Carbon dioxide, (CAS #124-38-9), (Aerosol cans only) TLV: 5000 ppm, Under 5%

Contains no other ingredient suspected of being hazardous according to information sources given in 29 CFR 1910.1200, OSHA Hazard Communication Rule.

3. HEALTH HAZARD

THRESHOLD LIMIT VALUE: Not established

ROUTES OF ENTRY, EFFECTS OF OVEREXPOSURE.

Inhalation: Dizziness, nausea, from inhalation of spray mist from can.

Skin Contact: Irritation, dissolves skin oils. Possible dermatitis on frequent or prolonged exposure.

Eye Contact: Moderately irritating. Rinse eyes copiously with water.

Ingestion: Low toxicity, but hazardous if aspirated into lungs during ingestion or vomiting.

CARCINOGENICITY: Contains no known or suspected carcinogens listed with OSHA, The International Agency for Research on Cancer Monographs, or the National Toxicology Programs Annual Report on Carcinogens.

MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY EXPOSURE TO PRODUCT: None

4. FIRST AID

INHALATION: Remove to fresh air. If not breathing, call emergency vehicle immediately. Give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen.

SKIN CONTACT: Wash off in flowing water or shower. Remove contaminated clothes and wash before re-use. Use soothing lotion.

EYE CONTACT: Lift upper eyelid, depress lower eyelid, and flush eye with a steady, gentle flow of water. Roll eyeball in all directions while flushing.

INGESTION: Do not induce vomiting; if vomit is inhaled, it may cause asphyxiation. Contact physician immediately.

IMPORTANT: POISON CONTROL CENTER NUMBER

In all severe cases, contact physician immediately. Local telephone operators are able to furnish number of regional poison control center to assist physician.

FLAME HAZARD

FLASH POINT: Minimum 200°F Pinsky - Martens
FLAMMABLE LIMITS IN AIR: Low 1%, High 6%
EXTINGUISHING MEDIA: Carbon dioxide foam
SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool with water spray.

UNUSUAL FIRE HAZARDS: Aerosol cans may burst at temperatures over 130°F and spray combustible liquid into the fire.

REACTIVITY HAZARDS

STABILITY: Stable, except when heated to burning temperatures.
INCOMPATIBILITY: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: If burning -- smoke, soot, and oxides of carbon and nitrogen.

SAFE HANDLING PROCEDURES

GENERAL: Do not breathe vapors. Significant exposure can result in clumsiness and poor judgement with resulting danger to the victim and those around him. Much like ingesting too much alcohol.

Avoid frequent or prolonged exposure to skin as the solvent can irritate skin.
Do not spray into flame, arcs, red hot surfaces or lighted smoking materials, as spray may ignite.

Do not heat aerosol cans above 130°F to eliminate the possibility of their bursting and releasing unwanted spray.

Store away from heat sources to minimize the danger from exposure to fires.

PERSONAL PROTECTIVE EQUIPMENT:

In poorly ventilated areas such as small rooms with no windows, or in sumps or other low areas the user should wear a respirator with chemical cartridge

In confined, unventilated spaces, such as the inside of tanks or small compartments, the inspector should wear a full mask with separate air supply

If hand exposure to SKL-HF/S is unavoidable, wear nitrile rubber gloves, to avoid skin contact.

Wear full goggles if the application of SKL-HF/S includes splashing or the possibility of spraying into the eyes. Be sure the goggles are clean and not apt to degrade the inspection procedure.

CONTROLS: It is preferred to use SKL-HF/S either in a spray booth or next to an exhaust vent.

General ventilation must be sufficient to keep the concentration low.

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DISPOSAL

SPENT MATERIAL, MOPPED-UP SPILLS & LEAKS:

Incinerate or send to Waste Disposer who can incinerate it.

AEROSOL CAN: Empty out aerosol cans before disposal. Pressurized aerosol cans are not an acceptable waste.

PROCESS RINSINGS:

If local authorities prohibit dumping rinsings down the sewer, purify rinsings with MAGNAFLUX Wastewater Treatment System or equivalent. Call the Wastewater Treatment Group at MAGNAFLUX.

9.

PHYSICAL PROPERTIES

BOILING POINT: 400°F

PERCENT VOLATILE: None

DENSITY: 0.97

WATER SOLUBILITY: 0

pH: Neutral

VAPOR PRESSURE: Below 0.5mm at 100°F

VAPOR DENSITY: Over 1

EVAPORATION RATE: None

APPEARANCE: Dark red liquid

10.

DOT SHIPPING

SHIPPING NAME: For Bulk - Liquid Stain
For Aerosol - Compressed Gas N.O.S.

MARKING: For Bulk - None
For Aerosol - Nonflammable Gas

HAZARD CLASS: For Bulk - None
For Aerosol - Nonflammable Gas


IDENTIFICATION: For Bulk - None
For Aerosol - UN 1956

11.

CERTIFIED

DATE: May 23, 1986
Supercedes MSDS dated April 4, 1986

SIGNED:



Bruce C. Graham, Chief Chemist
MAGNAFLUX Corporation