

Distributed By:
 The Easthill Group
 dba/ The Eastwood Company
 263 Shoemaker Road
 Pottstown, PA 19464
 USA & Canada: 800-345-1178
 Outside USA: (610) 323-2200
 Emergency Contact: Chem-Trec 800-424-9300

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

TRADE NAME: Metal Blackening Sealer	- H M I S -		
CHEMICAL NAME: Hydrocarbons	HEALTH	FIRE	REACTIVITY
CHEMICAL FAMILY: Organic Petroleum Hydrocarbons	1	2	0

SECTION II - HAZARDOUS INGREDIENTS

KEROSENE, HYDROTREATED, (APPROX) 86%, CAS 64742-47-8, REGULATED UNDER IARC SUBSTANCES NOT ASSIGNED AN OVERALL EVALUATION. IARC: ANIMAL EVIDENCE IS LIMITED; IARC: VOL 45 (1989).

***BARIUM COMPOUND**, (APPROX) 4%, CAS 7440-39-3 OSHA: TWA=0.5 MG/M3, REGULATED UNDER SDWA/MCLs, SDWA/STATUTORY CONTAMINANTS, RCRA, RCRA HAZARDOUS CONSTITUENTS FOR GROUNDWATER MONITORING, SARA TITLE III SECTION 313, SARA SECTION 110, DOT HAZARDOUS MATERIALS, MA SUBSTANCE LIST, NJ RIGHT TO KNOW HAZ SUBSTANCE LIST, PA HAZARDOUS SUBSTANCE LIST E.

*THIS SUBSTANCE IS A CHEMICAL SUBJECT TO SARA TITLE III, SECTION 313 REPORTING REQUIREMENTS.

NO OTHER INGREDIENTS IN THIS MIXTURE ARE CONSIDERED TO BE HAZARDOUS ACCORDING TO ANY STATE OR FEDERAL REGULATIONS.

SECTION III - PHYSICAL DATA

MELTING POINT: < -94 Deg F (< -70 Deg C)	BOILING POINT: 379-405°F
VAPOR PRESSURE: (MM HG) 1.1 TORR @ 100 Deg F / 38 DEG C	SPECIFIC GRAVITY: 0.832
SOLUBILITY IN WATER: 1.4 PPM @ 100 Deg F / 38 Deg C	VAPOR DENSITY (AIR =1): 5-6
APPEARANCE AND ODOR: Light amber liquid; hydrocarbon odor.	

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (F): 148°F
FLAMMABLE LIMITS: LEL: 0.7 UEL: 4.8
EXTINGUISHING MEDIA: Foam, water fog, dry chemical, CO2, vapor rising liquid.
SPECIAL FIRE FIGHTING MEDIA: Wear self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Empty containers may contain enough vapor to ignite or explode if exposed to spark or flame.

SECTION V - HEALTH HAZARD DATA

THERESHOLD LIMIT VALUE (TLV): 100 PPM (525MG/M3) for eight-hour TWA (exposure limits for petroleum distillate – stoddard solvent).

EFFECTS OF OVEREXPOSURE:

ACUTE: Skin and eye irritation, headache, dizziness, nausea, respiratory distress.

CHRONIC: Repeated skin contact will result defatting of tissue resulting in rash or dermatitis. Prolonged or repeated inhalation may result in mild to severe pulmonary injury.

ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES:

INHALATION: Yes **SKIN:** Yes **INGESTION?** Yes

CARCINOGENICITY: NTP? No **IARC MOMOGRAPHS?** No **OSHA REGULATED?** No

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

SKIN: Dryness, rash, dermatitis.

EYES: Severe irritation.

INGESTION: Nausea (low oral toxicity)

INHALATION: Headache, dizziness, light-headedness, feeling of intoxication, pulmonary distress.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Any existing pathology of tissues in which this material comes in contact.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Flush with large quantities of cool clean water for at least 15 minutes, consult physician.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing.

INGESTION: Do not induce vomiting, call physician or poison control center immediately. If unconscious check vital signs and perform artificial respiration and CPR as needed.

INHALATION: Remove to fresh air. If unconscious check vital signs and perform artificial respiration and cpr as needed. If conscious and having breathing difficulties administer oxygen.

SECTION VI – REACTIVITY DATA

INSTABILITY: Stable

INCOMPATIBILITY: Strong oxidizers, and strong bases.

DECOMPOSITION: Carbon monoxide, fumes, smoke, aldehydes.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Spark, flame, and incompatible materials listed above.

SECTION VII - SPILL OR LEAK PROCEDURES

SPILL, LEAK OR RELEASE: If trained in accordance to 29CFR 1910.20 ventilate area, keep sources of spark and flame away, sequester spill and absorb with inert solvent absorbent.

WASTE DISPOSAL: Incinerate at licensed waste disposal facility.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH-approved organic vapor air-purifying respirator, self-contained breathing apparatus, or air-supplied respirators depended on concentration.

ENGINEERING CONTROLS: Air contaminant levels should be controlled below the PEL or TLV for this product (see health hazards). Mechanical ventilation may be necessary if working with this product in enclosed areas and at elevated temperatures.

SPECIAL: Heated drying applications may require explosion proof equipment.

OTHER: N/A

PROTECTIVE GLOVES: Solvent resistant.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Solvent resistant apron, solvent resistant safety shoes or boots.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Store with other combustible materials. Open sealed containers slowly and cautiously in well ventilated areas. Keep sources of spark and flame away when handling or using this product. Store above 40 deg. F.

OTHER PRECAUTIONS: Do not store empty containers in non-ventilated areas.

SECTION X - TRANSPORTATION REQUIREMENTS

PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S.

HAZARD CLASS: COMBUSTIBLE

DOT GUIDE: 128

ID NUMBER: UN1268

PKG. GROUP: III

NOTE: In containers of 119 gallons capacity or less this product is not regulated by D.O.T.

Wash thoroughly after handling. Do not smoke in areas where this product is stored or used.

NOTICE

WHILE THE INFORMATION AND RECOMMENDATIONS GIVEN ARE BELIEVED TO BE ACCURATE, HUBBARD-HALL INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, AND ASSUMES NO LIABILITY WITH RESPECT TO USE OF THIS INFORMATION.