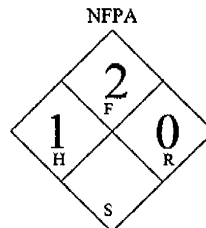


MATERIAL SAFETY DATA SHEET

Manufacturer's Name and Address:
 HOC Industries, Inc.
 3511 N. Ohio
 P.O. Box 2609
 Wichita, KS 67201-2609
 Phone: 316-838-4663



Emergency Telephone Number
For Accidents or Spills:
1-800-633-8253 (PERS)

I PRODUCT IDENTIFICATION

Trade Name and Synonyms: Charcoal Starter
 Chemical Name and/or Family: Isoparaffinic Solvent
 Chemical Formula: See Section II

II COMPONENTS

Hazardous Ingredients	CAS No.	% by wt.	OSHA PEL*	ACGIH TLV*
Mixture of C ₉ - C ₁₁ Isoalkanes	68551-16-6	100	N.E. / N.E.	N.E.

*See Section III, Recommended Exposure Limit

III OCCUPATIONAL CONTROL PROCEDURES

Eyes: Use safety glasses with side shields. Do not wear contact lenses.
Skin: Protective clothing such as uniforms, coveralls or lab coats should be worn. Launder or dry clean when soiled. Gloves resistant to petroleum distillates required.
Inhalation: If vapor, mist or dust is generated in excess of permissible concentrations use respirator approved by NIOSH.
Ventilation: Local exhaust ventilation recommended. Recommended exposure limit is 400 ppm.

IV EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush thoroughly with water for at least 15 minutes. Get medical attention.
Skin: Wash exposed area with soap and water. If irritation develops, seek medical attention.
Ingestion: Do NOT induce vomiting. Aspiration of this fluid can cause serious lung injury, i.e. chemical pneumonitis. **CALL A DOCTOR IMMEDIATELY.**
Inhalation: Remove person to fresh air. If not breathing, give mouth-to-mouth artificial respiration.

V PHYSIOLOGICAL EFFECTS

Acute:

Eyes: Believed to be mildly irritating.

Skin: Believed to be mildly irritating. Dermal LD₅₀ for a similar product is 15.4 g/kg (rabbit).

Inhalation: May cause headache, dizziness, nausea, unconsciousness.

Ingestion: May irritate stomach and intestines. May be aspirated into lungs if swallowed resulting in pulmonary edema and chemical pneumonitis.

Chronic: No known applicable information.

Health Hazards Category: Target Organ Toxin to animals and humans; specifically, lung-aspiration hazard.

Carcinogenic data: This product is not currently listed as a carcinogen by NTP, OSHA, or IARC.

Primary routes of entry: Inhalation and skin.

VI FIRE PROTECTION INFORMATION

Ignition Temperature (°F): N.D.

Flash Point (method): 105°F/41°C (TCC)

Flammable Limits (% by volume in air): LEL: 1 (Estimated) UEL: 3 (Estimated)

Fire and explosion hazards: Carbon oxides formed when burned.

Recommended fire extinguishing agents and special procedures: Use dry chemical, foam, or carbon dioxide. Evacuate area of all unnecessary personnel. Shut off source if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments described in Section III if conditions warrant.

Water fog or spray may be used to cool exposed equipment and containers. Do not spray water directly on fire. Product will float and could be reignited on surface of water.

Unusual or explosive hazards: Vapors are heavier than air and may travel and be ignited at remote locations and flash back. Explosive air-vapor mixtures may occur.

VII ENVIRONMENTAL PROTECTION and TRANSPORTATION

Waste disposal method (Insure conformity with all applicable disposal regulations):

Incinerate or place in RCRA permitted waste management facility.

Eliminate all ignition sources including internal combustion engines and power tools.

Ventilate area. Avoid breathing vapor. Use supplied air mask for large spills or in confined areas. Contain spill. Remove with inert absorbent. Avoid contact with eyes.

Avoid allowing product from entering streams or sewers.

Remarks: Waste Classification: Product (as presently constituted) has the RCRA characteristic of ignitability and if discarded in its purchased form would have the hazardous waste number D001.

Transportation: Transport, handle, and store in accordance with OSHA Regulation 29 CFR 1910.106 and applicable DOT Regulations. Ground and electrically interconnect containers for transfer. Use spark proof tools.

DOT Proper Shipping Name: Consumer Commodity

DOT Hazard Class (if applicable): ORM-D

Packing Group: III

VII CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point: 320°F	Vapor Pressure (mm Hg): 6.5 @ 100°F
Specific Gravity: 0.75 @ 60°/60°F	Vapor Density (air = 1): >1
Appearance and Odor: Colorless, mild	Solubility (water): Negligible
Percent Volatile by Volume: 100	Evaporation rate (Bu-Acetate = 1): <1
Hazardous polymerization: Does not occur	Stability: Stable

Incompatibility (Materials to avoid): Oxygen or strong oxidizing materials.

IX SPECIAL PRECAUTIONS

Store in a cool, dry area. Causes mild irritation to the eyes. May cause irritation to skin. Keep away from heat, sparks and flame. Keep container closed. Avoid contact with eyes and prolonged contact with skin. Use only in well ventilated areas. Avoid prolonged breathing of vapor or mist. Keep head away from container when opening or dispensing. Wash thoroughly after handling.

Date Prepared: 11/7/93

Date Revised: 4/22/03