MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Trade Name:	**Cherne Smoke Fluid**
Part Numbers:	065-808, 065-818, 065-828
Product Use:	Smoke fluid for use with Cherne smoke blowers for sewer testing.
Formula:	See Section 3.
Synonyms:	Petroleum hydrocarbon oil.
Firm Name & Mailing Address:	Cherne Industries Incorporated 5700 Lincoln Drive Minneapolis, MN 55436 http://www.Cherneind.com
Emergency Phone Numbers:	For chemical transportation emergencies ONLY, call CHEMTREC at (800)424-9300. Outside the U.S.(703)527-3887.
Information Telephone Number:	(952) 933-5501
Prepared By:	Corporate Director – Environmental, Health, and Safety
Contact:	(952) 933-5501
Preparation Date:	November 16, 2007

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview:

Water white liquid with a slight hydrocarbon odor. Ingestion may lead to an aspiration hazard. May cause mild irritation to the eye and skin.

Potential Health Effects:

Skin:	May cause mild irritation to the skin, including redness and dryness.
Eyes:	May cause irritation, redness, tearing and blurred vision.
Inhalation:	Long term inhalation may cause lung damage.
Ingestion:	Harmful or fatal if swallowed due to aspiration hazard if vomiting occurs.

OSHA Hazard Classification: Not an OSHA hazard.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	% wt/wt:	CAS NUMBER:
Hydrotreated Middle Distillates	100%	64742-46-7

SECTION 4 FIRST AID MEASURES

CALL 1-877-740-5015

Skin:	Remove contaminated clothing. Wash thoroughly with soap and water. Call a physician or poison control center if irritation develops.
Eyes:	Remove contact lenses if any. Rinse eyes with water for 15 minutes. Get medical attention if irritation develops.
Inhalation:	This material has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Move victim to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Call a poison control center or physician if symptoms persist.
Ingestion:	**NEVER** give anything by mouth if victim is unconscious. Have victim rinse mouth thoroughly with water. **DO NOT INDUCE VOMITING**. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call the Poison Control Center at 1-877-740-5015.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media:	Use dry chemical, CO2, water, or foam extinguisher.
Special Fire Fighting Procedures:	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.
Unusual Fire and Explosion Hazards:	Dense smoke may be generated while burning.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures:	Contain spill immediately. Do not allow spill to enter sewers or water ways. Absorb with appropriate inert material, such as sand or clay. Pick up large spills with vacuum equipment. Appropriate personal protective equipment cited in Section 8 should be worn during all clean-up operations.

SECTION 7 HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin, or clothing. Do not take internally. Avoid breathing vapors or mist. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed when not in use. Handle with care. Keep out of reach of children.
Storage:	Store in a cool dry place away from heat, sparks, open flames or oxidizing agents.
Other:	None.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS:	CAS NUMBER:	ACGIH TLV TWA	OSHA PEL TWA
Hydrotreated middle distillate*	64742-64-7	5 mg/m^3 10 mg/m^3 STEL	5 mg/m^3

*As oil mist

Ventilation:	Good general ventilation (equivalent to outdoors) should be adequate for normal use. For operations where the TLV may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.
Respiratory Protection:	For operations where the TLV may be exceeded, a NIOSH approved organic vapor respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.
Skin Protection:	Normally not needed. Launder soiled clothing before re-use.
Eye Protection:	Safety glasses with sideshields or safety goggles.
Other:	Eye wash and safety shower should be available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint / Method:	> 250°F (> 121 °C)
Flammability:	LEL = Not determined, UEL = Not determined.
Boiling Point:	490 to 680°F (254 – 360°C).
Melting Point:	Not determined.
Vapor Pressure:	Not determined.
Vapor Density:	(Air = 1) Greater than 1.
Volatile Components:	Not determined.
Solubility In Water:	Insoluble.
pH:	Not determined.
Specific Gravity:	0.83 – 0.84 @ 20 Degrees C.
Evaporation Rate:	Not determined.
Appearance:	Clear liquid.
Odor:	Slight hydrocarbon odor.
Will Dissolve In:	Hydrocarbons.
Material Is:	Liquid.

SECTION 10 STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Avoid flames or other sources of ignition.
Hazardous Decomposition Products:	Hydrocarbons, aldehydes, smoke, carbon monoxide, carbon dioxide.
Incompatibility/ Materials To Avoid:	Strong oxidizing agents.
Hazardous Polymerization:	Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Inhalation:	Long term inhalation may be irritation to the respiratory tract. Overexposure may cause drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea.
Skin:	Contact may cause mild irritation. Prolonged or repeated contact may cause dermatitis. Individuals with preexisting skin conditions are more susceptible to skin irritation.
Eye:	Product may cause redness and irritation.
Ingestion:	May cause irritation.
Toxicity Data:	No data available.
Sensitization:	None of the components are known to cause sensitization.
Carcinogenicity:	The International Agency for Research on Cancer (IARC) has concluded that light and intermediate middle distillates and Group 3 substances, "not classifiable as to the carcinogenicity to humans," based on inadequate human and inadequate animal evidence.
Mutagenicity:	None of the components have been found to be mutagenic.
Reproductive Toxicity:	None of the components are known to cause adverse reproductive effects.
Medical Conditions Aggravated By Exposure:	None known.

SECTION 12 ECOLOGICAL INFORMATION

Acute Aquatic Effects Data:	Not data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal:	Dispose of in accordance with federal, state, and local regulations. It is the responsibility of the end-user to determine at the time of disposal of the product.
EPA Hazardous Waste Number:	None.
EPA Hazard Waste Class:	None.

SECTION 14 TRANSPORT INFORMATION

DOT

Proper Shipping Name:	Not regulated.
Hazard Class/Packing Group:	None.
UN/NA Number:	None.
Hazard Labels:	None.

IMDG

Proper Shipping Name:	Not regulated.
Hazard Class/Packing Group:	None.
UN/NA Number:	None.
Hazard Labels:	None.

SECTION 15 REGULATORY INFORMATION

Hazard Category for Section 311/312:	Not regulated.
Section 302 Extremely Hazardous Substances (TPQ):	This product does not contain chemicals regulated under SARA Title III, Section 302.
Section 313 Toxic Chemicals:	This product does not contain any chemicals subject to SARA Title III Section 313 Reporting requirements.
CERCLA 103 Reportable Quantity:	This product does not contain chemicals regulated under CERCLA.
	Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
California Proposition 65:	This product does not contain chemicals regulated under California Proposition 65.
TSCA Inventory:	All of the components of this product are listed on the TSCA inventory.
Canadian WHMIS Classification:	Not a Controlled Product. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16 OTHER INFORMATION

NFPA and HMIS:

NFPA Hazard Signal	Health: 1	Flammability: 1	Reactivity: 0	Special: None
HMIS Hazard Signal:	Health: 1	Flammability: 1	Reactivity: 0	PPE: A

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