



Lamplight Farms, Inc.
4900 N. Lilly Road
Menomonee Falls, WI 53051
1-800-645-5267
(262) 781-9590



LAMPLIGHT EMERGENCY LIGHTING

Filename: MSDS Emergency lighting.docx

Revision Date: 2/20/10
Revision 0

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Emergency lighting
SYNONYMS: Normal paraffin lamp oil with book matches
MANUFACTURER: Lamplight Farms
ADDRESS: 4900 North Lilly Road, Menomonee Falls, WI 53051
(800) 645-5267 262-781-9590 (8:00 AM- 4:30 PM CST) M-F
EMERGENCY NUMBER: 1-800-308-7141 (Prosar)
For non-emergency and all other information call: 1-800-645-5267

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components:</u>	<u>CAS Number</u>	<u>Weight %</u>
Lamp oil contains C5-20 Paraffins	64771-72-8	100 %
Matches contain: Potassium Chlorate	3811-04-9	12%

See Section 8 for Exposure Guidelines and Section 15 for OSHA Classification

3. HAZARDS IDENTIFICATION

Emergency Overview

Water white, oily liquid. Mild hydrocarbon odor.

HEALTH HAZARD: MAY CAUSE EYE OR SKIN IRRITATION. High vapor concentrations may cause headache, stupor, dizziness, or irritation of throat and eyes

Potential Health Effects

Lamp Oil

EYES: Irritation may occur with exposure to concentrated vapors or contact with product.

SKIN: Repeated or prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects.

INHALATION: Exposure to high concentration of vapors may result in headache and stupor.



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INGESTION: Lung exposure to this product either by prolonged breathing of a mist or vomiting following ingestion, can lead to serious lung injury and possibly death.

Matches

Overexposure: Contact with product while functioning can result in thermal burn.

(See section 11 for Toxicological Information).

4. FIRST AID MEASURES

Lamp Oil

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

SKIN: Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash affected area with mild soap. Call a physician if irritation occurs.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Oxygen should only be administered by trained personnel.

INGESTION: DO NOT INDUCE VOMITING. Seek medical advice immediately.

Matches

SKIN: Burns should be immersed in cold water (unless area is extensive and 3rd degree) to relieve pain. Cover with sterile dressing and seek medical attention if required.

5. FIRE FIGHTING MEASURES

Flammable Properties - Lamp Oil

FLASH POINT / METHOD: 207°F (97° C) / PM

AUTOIGNITION TEMPERATURE :>392°F (200° C)

FLAMMABLE LIMITS IN AIR % BY VOLUME: None Expected.

FIRE AND EXPLOSION HAZARD: None Expected.

FIRE FIGHTING INSTRUCTIONS: Water spray, carbon dioxide,, dry chemical, or alcohol compatible foam is recommended.

Flammable Properties - Matches

FLASH POINT -NA

AUTOIGNITION TEMPERATURE: Approximately 375° F, Stable at 200°F for 8 hours

FLAMMABLE LIMITS IN AIR - NA

FIRE FIGHTING INSTRUCTIONS: Water or ABC dry chemical extinguisher

6. ACCIDENTAL RELEASE MEASURES



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Lamp Oil

STEPS TO BE TAKEN IN CASE OF A SPILL OR LEAK:

Evacuate the area and eliminate all sources of ignition. Contain the spill if possible. Material may be picked up with a solid sorbent. Dispose of only in accordance with local, state, and federal regulations.

Matches

For spills including loose matches or broken cases:

Keep unnecessary personnel, open flames (including flares), heat sources and sparks away from area. Wet spilled material thoroughly before attempting clean up. Place in a non-flammable container and submerge in water for one hour before disposal.

CERCLA HAZARDOUS SUBSTANCE:

Component	CERCLA RO	Maximum Wt. %
Contains no chemicals on the CERCLA Hazardous Substance List.		

7. HANDLING AND STORAGE

Lamp Oil

ELECTROSTATIC ACCUMULATION HAZARD: Yes – ground all equipment.

USUAL SHIPPING CONTAINERS: Tank cars, tank trucks.

STORAGE / TRANSPORT TEMPERATURE: Ambient. (Product will freeze at 32° F (0° C))

STORAGE / TRANSPORT PRESSURE: Ambient. (Product will freeze at 32° F (0° C))

LOAD / UNLOAD TEMPERATURE: Ambient, above freezing point. (Product will freeze at 32° F (0° C)).

STORAGE AND HANDLING MATERIALS: Carbon steel is suitable.

MATCHES

Avoid temperatures in excess of 375°F / store in cool dry place. Avoid crushing or extreme mechanical shock. Keep out of reach of children, discard if wet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines of this section). Mechanical ventilation may be necessary if working with this product in enclosed areas and at elevated temperatures.

Personal Protective Equipment

LAMP OIL

EYES:

When contact with liquid is possible, use a face shield and chemical goggles. Otherwise use safety glasses or goggles.



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SKIN:

Chemical gloves should be worn to prevent repeated contact. If potential for significant exposure to liquid exists, use full protective clothing and chemical boots.

RESPIRATORY PROTECTION:

NIOSH-approved organic vapor air-purifying respirator, self contained breathing apparatus, or air-supplied respirators dependent on concentration.

MATCHES

None normally required

Exposure Guidelines:

No exposure limit has been set for exposure to vapors for this product. However, Lamplight and its suppliers recommend the ACGIH/OSHA/NIOSH – recommended limit of 5 mg/m³ (8-hour TWA) for exposure to mists of this product.

Component

OSHA PEL

ACGIH TLV

None Established.

PEL = Permissible Exposure Limits
TLV = Threshold Limit Value

TWA = Time Weighted Average (8hr.)
STEL = Short Term Exposure Limit (15 min.)

Carcinogenicity

No carcinogenic ingredients.

9. PHYSICAL AND CHEMICAL PROPERTIES

Lamp oil

APPEARANCE:

Yellowish, oily liquid

ODOR:

Mild hydrocarbon / citronella odor.

VAPOR PRESSURE (mm Hg.).

<0.01 @ 68° F (20° C).

VAPOR DENSITY (Air=1).

6.5

SOLUBILITY IN WATER:

Negligible

VISCOCITY:

2.4 cSt @ 77° F (25° C).

PHYSICAL STATE:

Liquid.

BOILING POINT:

430-478° F (221 – 248° C).

MELTING POINT:

N/D

SPECIFIC GRAVITY (H₂O = 1):

0.773 @ 60°F/60°F (16°C/16°C).

Matches

Appearance and odor: Odorless manufactured article

Solubility in water: Non paper components are partially soluble

Specific Gravity: <1.0 (water=1.0)

Boiling Point: NA



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Vapor Pressure and Density: NA
Evaporation Rate: NA

Percent Volatile: 0 to 7% moisture

10. STABILITY AND REACTIVITY

Lamp Oil

CONDITIONS TO AVOID:

High Temperatures & high energy ignition sources

INCOMPATIBILITY WITH OTHER MATERIALS:

Strong Oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:

Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION:

Will not occur

Matches

CONDITIONS TO AVOID: Avoid temperatures over 200°F and extreme shock

INCOMPATIBILITY: Exposure to water or extreme dampness may affect performance: strong acids and phosphorus (red or yellow forms) may cause ignition.

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

Lamp Oil

EYES:

May cause mild, short lasting discomfort to eyes

SKIN:

Mildly irritating to skin with prolonged exposure.

Toxicity: LD50>3000mg/kg

INHALATION:

Negligible hazard at ambient temperatures.

Toxicity: No end point data

Irritation: No end point data

INGESTION:

Minimally toxic

Toxicity: LD50>5000mg/kg

Matches

EYES: NA

SKIN: NA

INHALATION: NA

INGESTION: Non toxic at 5000mg/kg in rats

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:



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Not Available.

CHEMICAL FATE INFORMATION:
Not Available.

13. DISPOSAL CONSIDERATIONS

Lamp Oil

SPECIAL INSTRUCTIONS:

Evacuate the area and eliminate all sources of ignition. Contain the spill if possible. Material may be picked up with solid sorbent. Dispose of only in accordance with local state, and federal regulations.

WASTE CLASSIFICATION:

If discarded in its purchased form, this product is not a RCRA hazardous waste. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transforms, and mixtures may change the classification.

EMPTY CONTAINERS:

Empty containers retain product residue (liquid and/or vapor) can be dangerous. DO NOT PRESSURIZE, CUT WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

Matches

Dispose of matches after at least one hour submersion under water by incineration of land filling in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Lamp Oil

Not regulated for land transport.

Matches

MATCHES, SAFETY, 4.1, UN 1944, PGIII

Proper Shipping Name: Consumer Commodity ORM-D

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA INVENTORY LISTING:

Component

CAS Number

C5-20 Paraffins

64771-72-8



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16. OTHER INFORMATION

Lamp Oil

<u>Hazard Ratings</u>	<u>NFPA</u>	<u>HMIS</u>
Health:	1	1
FLAMMABILITY:	1	1
REACTIVITY:	0	0

Matches

<u>Hazard Ratings</u>	<u>NFPA</u>	<u>HMIS</u>
Health:	1	1
FLAMMABILITY:	3	3
REACTIVITY:	2	2

Revision Summary

<u>Date</u>	<u>Description</u>
February 20,2010	Document created.

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