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

LAMPLIGHT OUTDOOR WAX PRODUCTS

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: CITRONELLA BUCKETS / CANDLES / VOTIVE /TEALIGHT /LUMINARIES
SYNONYMS:

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

Components	CAS Number	Weight %
Paraffin Wax	8002-74-2	Mixture
Palm Oil	8002-75-3	Mixture
Citronella oil	8000-29-1	.5% – 1%

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

3. HAZARDS IDENTIFICATION

Potential Health Effects

EYES: This product is minimally irritating to the eyes upon direct contact. Only in its molten form will cause thermal burns and eye injury upon direct contact. Based on testing of similar products and/or components.

SKIN: This product is not expected to cause any skin irritation upon direct single or repeated and prolonged contact; however, similar chemical composition products applied to the skin of laboratory animals resulted in minimal to slight dermal irritation. Contact with molten material can cause severe burns.

INHALATION:
Breathing fumes in confined areas can cause respiratory discomfort and possible irritation. This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product. Exposures below 5 mg/m3 appear to be without significant health risk. See Section 8 for oil mist exposure limits.

INGESTION:
This product is relatively non-toxic by ingestion unless aspiration occurs. This product has laxative properties and may result in abdominal cramps and diarrhea.

OTHER:

Exposure to a large single dose, or repeated smaller doses of mineral oil by inhalation, aspiration or ingestion leading to aspiration can lead to lipid pneumonia or lipid granuloma of the lung. These are low-grade, chronic, localized tissue reactions. Shortness of breath and cough are the most common symptoms.

(See section 11 for Toxicological Information).

4. FIRST AID MEASURES

EYE CONTACT:

Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and seek immediate medical attention.

SKIN CONTACT:

Remove contaminated clothing. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

INHALATION:

Remove individual to a well ventilated area for fresh air and call a physician if respiratory symptoms warrant medical attention. This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions.

INGESTION:

Do not induce vomiting due to aspiration hazard. If vomiting should occur, lower head below knees to avoid aspiration. Seek immediate medical attention.

5. FIRE AND EXPLOSION INFORMATION

Flammable Properties

FLASH POINT / METHOD:	354 F (>180° C) / CC)
AUTOIGNITION TEMPERATURE:	No Data Available.
EXTINGUISHING MEDIA:	Use dry chemical, foam, or carbon dioxide.

FIRE FIGHTING MEASURES / SPECIAL FIRE FIGHTING PROCEDURES:

Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

UNUSUAL FIRE AND EXPLOSION CONDITIONS:

Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Consult Health Effect Information in Section 3, Personal Protection Information in Section 8, Fire and Explosion Information in Section 5, and Stability and Reactivity Information in Section 10. Remove all sources of ignition.

REGULATORY NOTIFICATIONS: Notify appropriate authorities of spill.

CONTAINMENT AND CLEAN UP:
Handle as a thermoplastic. With molten spills, allow the material solidify and cool. Contain spill immediately. Do not allow spill to enter sewers or watercourses. Large spills may be picked up using shovels, buckets, or other means and placed in drums or other suitable containers.

7. HANDLING AND STORAGE

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash clothing prior to reuse. May be slippery when spilled. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106--Flammable and Combustible Liquids.

STORAGE:
When kept in molten state, inert gas blanketing may be used to avoid material degradation. As a solid, avoid contamination by keeping in closed containers. Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Use this product in well-ventilated areas. This product does not contain any components with OSHA or ACGIH exposure limits. If oil mist is generated, exposure limits apply.

<u>Personal Protective Equipment</u>

EYES:
Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

SKIN:
No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.).

RESPIRATORY PROTECTION:
Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified.

PERSONAL HYGIENE:
Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

ENGINEERING CONTROLS / WORK PRACTICES & VENTILATION:

If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

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) fir 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

Appearance:	Off white	Melting Point:	80-175°F(40-90°F)
Odor:	Pleasant	Specific Gravity:	No data available
Vapor Pressure:	No data available	Average Carbon Number:	No data available
Vapor Density (Air=1):	No data available	Pour Point:	No data available
Evaporation Rate (EE=1):	No data available	Viscosity @ 210 F:	No data available
pH:	No data available	Viscosity @ 40 C:	No data available
Volatile Organic Content:	No data available	Solubility:	Negligible in water

10. STABILITY AND REACTIVITY CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks, and flame

INCOMPATIBILITY WITH OTHER MATERIALS:

May react with strong oxidizing agents. Hazardous Decomposition Products:.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion

HAZARDOUS POLYMERIZATION:

Will not occur

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

The International Agency for Research on Cancer (IARC) has concluded that highly refined mineral oils are Group 3 substances, "Not Classifiable as to their carcinogenicity to humans," based on

inadequate human and inadequate animal evidence. IARC has also concluded that there is no evidence for the Carcinogenicity to experimental animals of white oils when administered by routes other than by intraperitoneal injection. This product is not carcinogenic according to the OSHA Hazard Communication Standard.

12. ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

SPECIAL INSTRUCTIONS:

All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

WASTE CLASSIFICATION:

Waste material may be landfilled or incinerated at an approved facility. Materials should be recycled if possible.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

Highway / Rail (Bulk): Elevated temperature liquid, n.o.s., 9, UN3257, III.
Highway / Rail (Non-Bulk): Not Regulated
The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.

15. REGULATORY INFORMATION

U.S. Federal Regulations

OSHA HAZARD COMMUNICATION STANDARD CLASSIFICATION:

Nonhazardous as defined by the OSHA Hazard Communication Standard.

TSCA INVENTORY LISTING:

Components are listed on the Toxic Substances Control Act Inventory.

International Regulations:

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) CLASSIFICATION:

This material is not a controlled product as defined by Canada's Workplace Hazardous Materials Information System (WHMIS).

16. OTHER INFORMATION

Hazard Ratings HMIS

Health:	0
FLAMMABILITY:	1
REACTIVITY:	0

Revision Summary

Date	Description
March 27, 2002	Document created.
June 28, 2002	Added Emergency numbers (Prosar) and Non emergency contact number.
January 9, 2007	Updated section 1 and 2
September 28, 2009	Added CAS numbers to section 2 / updated section 9

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