

MATERIAL SAFETY DATA SHEET

This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. To be valid all information required by 1910.1200(g) of the Standard must appear on this form. Consult the Standard for specific requirements. Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	Quick Name Identifier/Common Name: Citronella Liquid Paraffinic Solvent with Citronella. UPC/SKU: L0001C Series, L0036C Series
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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
Manufacturer's Name: Candle Lamp Company 1815 Rustin Avenue Riverside, CA 92507	24 Hour Emergency Telephone Number: 1-800-255-3924 or 1-813-977-3668 (Collect Calls Accepted) Information Telephone Number: 1-951-682-9600
	Date Prepared: 4/12/2010
General or Generic Name: Paraffinic, Naphthenic Solvent	

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS		
Ingredients	CAS No.	% By Weight
Paraffinic, Naphthenic Solvent	64742-47-8	97
Citronella	8000-29-1	3

SECTION 3 – HAZARDS IDENTIFICATION	
Potential Health Effects:	
Eye/Ocular	Irritation may occur with exposure to concentrated vapors or contact.
Skin/Dermal	May cause skin irritation, redness, and scaling upon prolonged contact.
Inhalation	Exposure to high concentration of vapors may result in headache and stupor.
Swallowing/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.
Symptoms of Exposure	Symptoms may include headache, dizziness, stupor, or irritation of throat and eyes.
Target Organ Effects	Repeated overexposure to the skin may cause dermatitis.
Developmental Information:	
Cancer Information	Not expected to pose a carcinogenic risk to humans.
Other Health Effects	Pre-existing dermatitis may be aggravated by prolonged skin contact.
Primary Routes of Exposure	Inhalation, ingestion, skin contact, eye contact.

SECTION 4 – FIRST AID MEASURES	
Eyes	Flush eyes gently with water while holding eyelids open for 15 minutes. If symptoms persist or there is any visual difficulty, seek medical attention.
Skin	Remove contaminated clothing. Wash exposed area with soap and water. If irritation continues, seek medical attention. Thoroughly wash contaminated clothes before re-use.
Swallowing	If swallowed, DO NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.
Inhalation	Move individual away from exposure and into fresh air. If breathing has stopped, perform artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY. Oxygen should only be administered by trained personnel.

SECTION 5 – FIRE FIGHTING MEASURES	
Flash Point	148 °F (64 °C, Tag Closed Cup)
Incompatibility (materials to avoid)	Oxidizers, acids, alkalis.
Explosive Limits	Lower Limit: 0.7% Upper Limit 7.0%
Auto-ignition Temperature	451 °F (233° C)
Hazardous Products of Combustion	May form: carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.
Fire and Explosion Hazard	None expected.
Extinguishing Media	Alcohol compatible foam or water spray, carbon dioxide, dry chemical
Fire Fighting Instructions	Cool exposed equipment with water spray until well after fire is out. Use pressure demand, self-contained breathing apparatus (SCBA) if fighting fires. Individuals should perform only those fire-fighting procedures for which they have been trained.
NFPA Rating: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme	Health – 1, Flammability – 1, Reactivity – 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
Spill	Eliminate ignition source, and absorb liquid spill on vermiculite, floor absorbent or other similar absorbent material. Remove to containers for disposal per local, state, and federal ordinances.
Large Spill	Immediately eliminate all ignition sources (open flames, smoking materials, pilot lights, electrical sparks). Remove persons not in appropriate protective gear from area. Stop spill at source. Prevent material from entering drains, sewers and waterways. Prevent spill from spreading. This product is not on the CERCLA Hazardous Substance List, however, spills into or leading to surface waters that cause a sheen must be reported to the National Response Center (800-424-8802) under EPA-CWA (Clean Water Act).

SECTION 7 – HANDLING AND STORAGE	
Handling	Containers should be handled in well-ventilated areas. Avoid contact with skin and eyes. Keep away from children. Keep away from combustible materials such as paper plates, napkins, etc.
Storage	Containers should be stored away from flame, heat or other ignition sources. Store in a cool dry place (47-120°F, 8-49°C).

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION	
Ventilation Requirements	Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines below). Mechanical ventilation may be necessary if working with this product in enclosed area and at elevated temperatures.
Eye Protection	Avoid eye contact with material, and wear chemical-resistant goggles.
Skin Protection	Avoid skin contact with material, and wear chemical-resistant gloves.
Respiratory Protection	NIOSH approved respirator for Organic vapors, self-contained breathing apparatus or air-supplied breathing apparatus depending on concentration.
Exposure Guidelines	Manufacturer (Vista) recommended PEL – 100 ppm (525 mg/m ³) for 8-hour TWA (Exposure limits for petroleum distillate – Stoddard Solvent).

SECTION 9 – PHYSICAL DATA AND CHEMICAL PROPERTIES	
Appearance and Odor	Slight yellow, oily liquid, mild hydrocarbon odor, citronella.
Solubility in Water	52 ppm @ 20 °C
pH	N/A
Melting Point Range	< - 94 °F (< - 70 °C)
Boiling Point range	379 - 412 °F (193 – 210 °C)
Viscosity	1.4 cSt @ 104 °F (40 °C)
Vapor Pressure	.36 torr @ 68 °F (20 °C)
Specific Gravity: Vapor Density	0.802 @ 60 °F (16 °C, H ₂ O = 1): 5 - 6 (Air = 1)

10. STABILITY AND REACTIVITY	
Hazardous Polymerization	Product does not undergo polymerization
Hazardous Decomposition	May form: carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.
Chemical Stability	Stable
Incompatibility: Conditions to avoid	Strong oxidizers: Excessive heat, open flames or sparks.

11. TOXICOLOGICAL INFORMATION – EYES: Eye Irritation Index (Rabbits) 3 after 1 hour (Maximum score is 110). **SKIN:** Acute Dermal LD50 (Rabbits) = 2 - 4 g/kg. Skin Irritation Index (Rabbits) = 1.2 (Maximum score is 8.0). **INHALATION:** No toxicity observed in rats exposed for four hours to 2 mg/l. Acute Inhalation LC50 (Rats) > 4.3 mg/l. **INGESTION:** Acute Oral LD50 (Rat) > 5g/kg.

12. ECOLOGICAL INFORMATION – Ecotoxicity: No toxicity observed because of low solubility in water. Could cause toxic effects to organisms if spilled or absorbed into soil or sediments. **Environmental Fate:** Not available. **Bioaccumulation:** Not available.

13. DISPOSAL INFORMATION	
“Empty” Containers:	Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity or other sources of ignition; they may explode and cause injury or death.
Special Instruction:	Contain spill if possible, and pick up using solid adsorbent. Dispose of in accordance with all applicable Federal, State, and local regulations. Note: It is the purchasers’ responsibility to dispose of properly.

14. TRANSPORTATION	
DOT Description:	This product is not a hazardous material according to DOT regulations.
IATA:	Not a dangerous good as defined by IATA for air transportation

15. REGULATORY INFORMATION	
TSCA Inventory Listing:	Petroleum Distillates, CAS Number 64742-47-8
OSHA HAZCOM Standard Classification:	Combustible liquid; Petroleum Distillates, CAS Number 64742-47-8
SARA 302 Components:	None
SARA 313 Components:	None
State and Local Regulations	
California Proposition 65:	None

16. OTHER INFORMATION
 The above data is based on tests and experience which Candle Lamp Company believes reliable and is supplied for informational purposes only. The Candle Lamp Company’s products are intended for sale to industrial and commercial customers. Candle lamp Company requests that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Candle Lamp Company disclaims any liability for damage or injury which results from the use of the above data and nothing contained therein shall constitute a guarantee, warranty (including warranty or merchantability) representation (including freedom from patent liability) by the Candle Lamp Company with respect to data, the product described, or their use for any specific purpose, even if that purpose is known to Candle Lamp Company.