

## 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: Ethanol Gel Chafing Dish Fuel UPC/SKU: PH0001-1, PH0005, PH0010, PH0012 PH0013, PH0014, PH0016, PH0017, PH0018, PH0019, PH0028, PH0034, PH0036, PH0042, PH0082
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<b>SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b>	
Manufacturer's Name: Candle Lamp Company 1799 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: 6/1/99
General or Generic Name: SOLIDIFIED ETHANOL / GELLED ETHANOL	

<b>SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS</b>		
Ingredients	CAS No.	% By Weight
Ethanol	64-17-5	72
Methanol	67-56-1	3.3

<b>SECTION 3 – HAZARDS IDENTIFICATION</b>	
Eye/Ocular:	Exposure may cause mild eye irritation. Symptoms may include stinging, tearing, and redness.
Skin/Dermal	Exposure may cause mild skin irritation. Prolonged/repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking, and skin burns.
Swallowing/Ingestion	Swallowing: Nausea, abdominal pain, headache, dizziness, and drunken behavior. Ingestion of moderate quantities produces acidosis.
Inhalation	Dizziness, drowsiness and disturbance of vision.
Symptoms of Exposure.	Nausea, abdominal pain, vomiting, headache, visual disturbance, drowsiness, blindness, coma or death.

<b>SECTION 4 – FIRST AID MEASURES</b>	
Eyes	Move individual away from exposure and into fresh air. Flush eyes with large amounts of water for 15 minutes while holding eyelids open. If symptoms persist or there is any visual difficulty seek medical attention.
Skin	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms continue seek medical attention.
Swallowing	DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and immediately seek medical attention. If the victim is convulsing or unconscious, do not give anything by mouth, and immediately seek medical attention. DO NOT INDUCE VOMITING.
Inhalation	Move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer CPR or oxygen by trained personnel. Keep person warm and quiet; seek medical attention.

<b>SECTION 5 – FIRE FIGHTING MEASURES</b>	
Flash Point (Method Used)	54°F / 12° C (Tag closed cup)
Auto-ignition	No data
Explosive Limit:	Lower Limit: 3.3%      Upper Limit 19.0%
Extinguishing Media	CO2, Foam, Dry Chemical
Fire and Explosion Hazard	Vapors formed from this product and may travel or be moved by air currents and ignited by any spark or flame. Material stays gelled while burning so it

	won't "splash" or "run". Do not use heat or flame around closed containers; containers may explode and scatter burning gel.
Fire Fighting Instructions	Wear full protective clothing and self-contained breathing apparatus. Water spray can be used to extinguish fires and cool fire exposed containers. Water may be used to flush spills away from exposures and dilute spills to non-flammable mixtures.
NFPA Rating: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme	Health – 1, Flammability – 3, Reactivity – 0

<b>SECTION 6 – ACCIDENTAL RELEASE MEASURES</b>	
Small Spill	Absorb spill on vermiculite paper. Remove from all ignition sources. Make sure there is adequate ventilation. Clean area with water until all material is absorbed and removed.
Large Spill	Eliminate all ignition sources. Ventilate area. Wear appropriate protective equipment. Contain and recover liquid into an appropriate container and absorb excess with vermiculite paper. Dispose of in accordance with Federal, State or local ordinances.

<b>SECTION 7 – HANDLING AND STORAGE</b>	
Handling	Keep away from heat, flame, and sparks. Avoid breathing vapors. Avoid contact with skin, wash thoroughly after handling. Keep away from children. Place can in chafin before lighting, and keep away from combustibles (e.g., paper plates, napkins, paper tablecloths, etc.). Use in a well-ventilated area. <b>DO NOT TAKE INTERNALLY.</b>
Storage	Containers should be stored away from flame, heat or other ignition sources. Store in a cool dry place (40-120°F, 4-49°C). Provide adequate ventilation. Keep container closed when not in use.

<b>SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
Precautionary Labeling	WARNING... Keep away from children. Do not use near fire or heat. Flammable mixture contains 3.3% Methyl Alcohol
Eye Protection	Avoid eye contact.
Skin Protection	Avoid contact with skin. Do not remove gel from container.
Respiratory Protection	Not required unless exposed to high concentrations above approved guidelines
Exposure Guidelines	Ethanol 72% OSHA PEL = 1000 ppm (TWA), ACGIH TLV = 1000 ppm (TWA); Methanol 3.3% OSHA PEL = 200 ppm (TWA), ACGIH TLV = 200 ppm (TWA)

<b>SECTION 9 – PHYSICAL DATA AND CHEMICAL PROPERTIES</b>	
Appearance and Odor	Thick gel with slight alcohol odor
pH	~7 (neutral)
Melting Point	-173°F (-114°C)
Boiling Range	170.6° - 176°F (77° - 80°C)
Evaporation Rate	3.2 (Butyl Acetate = 1)
Vapor Pressure	44 mm Hg @ 68°F (20°C)
Vapor Density	1.6 (Air = 1)
Solubility in Water	Gel is slowly dissolved in water

<b>10. STABILITY AND REACTIVITY</b>	
Hazardous Polymerization	Will not occur
Hazardous Decomposition	Burning may cause carbon dioxide and/or carbon monoxide if inadequate oxygen.
Chemical Stability	Stable
Incompatibility	Heat, open flame.

<b>11. TOXICOLOGICAL INFORMATION –</b>
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<b>12. ECOLOGICAL INFORMATION –</b>
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<b>13. DISPOSAL INFORMATION</b>	
Disposal:	Dispose of in accordance with all applicable Federal, State, and local regulations. Purchaser is responsible for proper waste disposal of any partial to full containers. Do not dump into sewers, any bodies of water or onto ground.

<b>14. TRANSPORTATION</b>	
Domestic:	Consumer Commodity ORM-D
International:	Flammable Solid, Organic, n.o.s., (contains ethanol), 4.1, UN 1325, PGII

<b>15. REGULATORY INFORMATION</b>	
OSHA:	This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200)
CERCLA	The Reportable Quantity for Methanol is 5000 lbs. Releases equal to or greater must be reported to the National Response Center (NRC) at 800-424-8802.
RCRA	The hazardous waste number for Methanol is U154. This product is considered hazardous waste based on ignitability (D001).
SARA 302 Components:	None
SARA 313 Components:	Methyl Alcohol (67-56-1)
International Regulations	Canada: DSL. The intentional ingredients of this product are listed. EEC: EINECS. The intentional ingredients of this product are listed.
<b>State and Local Regulations</b>	
California Proposition 65:	None
New Jersey Right To Know:	Methyl Alcohol (67-56-1)
Pennsylvania Right To Know:	Methyl Alcohol (67-56-1)

<b>16. OTHER INFORMATION</b>	
The information contained herein is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances and requirements.	