

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: PH0006 Series, PH0011 Series, PH0021 Series, PH 0023 Series, PH0025 Series, PH0030 Series, PH0032 Series, R06006 Series, R06011 Series, R06021 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: 01/21/2010
General or Generic Name: SOLIDIFIED ETHANOL / GELLED ETHANOL	

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS No.	% By Weight
Ethanol	64-17-5	78

SECTION 3 – HAZARDS IDENTIFICATION

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.

SECTION 4 – FIRST AID MEASURES

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.

SECTION 5 – FIRE FIGHTING MEASURES

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
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.

SECTION 7 – HANDLING AND STORAGE	
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 chafer before lighting, and keep away from combustibles (e.g., paper plates, napkins, paper tablecloths, etc.). Use in a well-ventilated area. DO NOT TAKE INTERNALLY.
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.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION	
Precautionary Labeling	WARNING... Keep away from children. Do not use near fire or heat.
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), ACGIH TLV = 200 ppm (TWA)

SECTION 9 – PHYSICAL DATA AND CHEMICAL PROPERTIES	
Appearance and Odor	Thick green 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

10. STABILITY AND REACTIVITY	
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.

11. TOXICOLOGICAL INFORMATION – NA	
TSCA: .	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
SARA TITLE III:	

Section 302, 304	No components present in this product at a level that could require reporting under the statute.
Section 311, 312	Delayed Hazard – yes, Fire Hazard – yes, Immediate Health Hazard – yes
Section 313 (40CFR372)	Does not contain toxic chemicals at levels which require reporting.
California Prop. 65:	No chemicals listed are added to the corn wet milling process. Detectable quantities present in corn are due to the uptake from the soil. The state of California has determined “no significant risk” from these chemicals. The product contains trace levels of acetaldehyde, known to the State of California to cause cancer.

12. ECOLOGICAL INFORMATION – NA
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13. DISPOSAL INFORMATION

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.
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14. TRANSPORTATION

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

15. REGULATORY INFORMATION

OSHA:	This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200)
RCRA	This product is considered hazardous waste based on ignitability (D001).
SARA 302 Components:	None
International Regulations	Canada: DSL. The intentional ingredients of this product are listed. EEC: EINECS. The intentional ingredients of this product are listed.
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. Some information presented and conclusions drawn herein may be from sources other than direct test data on the substance itself. 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.