

MATERIAL SAFETY DATA SHEET

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| 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: Chafing Dish Fuel Diethylene Glycol UPC/SKU: H0001, H0002, H0005, H0006, H0007, H0008, H0010, H0022, H0024, H0026, H0048, H0055, H0076, H0080, H0086, H0200, H0218, H0220, H0318, H0500, H0518, H1200, H20148 |
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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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| Manufacturer's Name: Candle Lamp Company 1799 Rustin Avenue Riverside, CA 92507 For David Roberts | 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: Diethylene Glycol (DEG) | |

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients | CAS No. | % By Weight |
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| Diethylene Glycol | 111-46-6 | 100 |
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SECTION 3 – HAZARDS IDENTIFICATION

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| Potential Health Effects: | |
| Eye/Ocular | Non to mildly-irritating to the eyes. |
| Skin/Dermal | May cause skin irritation upon prolonged contact. |
| Inhalation | May produce CNS depression including headache, nausea, euphoria, loss of equilibrium, drowsiness, visual disturbances, fatigue, unconsciousness, and respiratory arrest. |
| Swallowing/Ingestion | May be harmful or fatal if swallowed. May produce symptoms similar to inhalation, followed by rapid breathing, increased heart rate, possible toxicity to the kidneys, decreased urine volume, and severe metabolic acidosis. |
| Symptoms of Exposure | Symptoms may include nausea, vomiting and diarrhea. |
| Target Organ Effects | Repeated overexposure may cause liver and kidney damage. |
| Developmental Information: | |
| Cancer Information | Not expected to pose a carcinogenic risk to humans. |
| Other Health Effects | Pre-existing liver, kidney, CNS, skin, eye, and respiratory disorders are aggravated by exposure. |
| Primary Routes of Exposure | Inhalation, ingestion, skin absorption, skin contact, eye contact. |

SECTION 4 – FIRST AID MEASURES

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| 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 | Never give anything by mouth to an unconscious person. If swallowed, DO NOT induce vomiting. Give large quantities of water or milk. If vomiting occurs spontaneously, keep airway clear and give more water. 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. |

| SECTION 5 – FIRE FIGHTING MEASURES | |
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| Flash Point | 280°F (138°C, Pensky-Martins Closed Cup) |
| Incompatibility (materials to avoid) | Oxidizers, acids, alkalis. |
| Explosive Limits | Lower Limit: 1.6% Upper Limit 10.8% |
| Auto-ignition Temperature | 444°F (230°C) |
| Hazardous Products of Combustion | May form: carbon dioxide, carbon monoxide |
| Fire and Explosion Hazard | Airborne mists are moderate fire and explosion hazards. |
| Extinguishing Media | Alcohol foam or water spray, carbon dioxide, dry chemical |
| Fire Fighting Instructions | Wear self-contained breathing apparatus with full-face piece operated in positive pressure demand mode with appropriate turn out gear. 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 | |
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| 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. Dike and pump into properly labeled containers for reclamation or removal to containers for disposal per local, state, and federal ordinances. |

| SECTION 7 – HANDLING AND STORAGE | |
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| 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 | |
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| Precautionary Labeling | Harmful if swallowed, keep away from children |
| 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. |
| Exposure Guidelines | AIHA WEEL 50 ppm (vapor and aerosol); 10 mg/m3 (aerosol only) |

| SECTION 9 – PHYSICAL DATA AND CHEMICAL PROPERTIES | |
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| Appearance and Odor | Clear, colorless, slightly viscous, odorless liquid. |
| Solubility in Water | Miscible |
| pH | N/A |
| Melting Point | 17.6 °F (-8 °C) |
| Boiling Point | 473 °F (245 °C) @ 760 mmHg |
| Evaporation Rate | No Data Available |
| Vapor Pressure | <0.01 mmHG @ 68 °F (20 °C) |
| Specific Gravity: Vapor Density | 9.3 lbs./gal : 3.66 (Air = 1) |

| 10. STABILITY AND REACTIVITY | |
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| Hazardous Polymerization | Product does not undergo polymerization |
| Hazardous Decomposition | May form: carbon dioxide, carbon monoxide |
| Chemical Stability | Stable |
| Incompatibility: Conditions to avoid | Oxidizers, acids, alkalis: Excessive heat, open flames or sparks. |

11. TOXICOLOGICAL INFORMATION – DEG is essentially non-toxic by dermal and inhalation, however it has been lethal following ingestion. LD50 (oral) Rat = 12,565 mg/kg. LD50 (skin) Rabbit = 11,890 mg/kg.

12. ECOLOGICAL INFORMATION – Ecotoxicity: Not significantly toxic to fish and aquatic invertebrates, although amphibians may be more sensitive. **Environmental Fate:** DEG biodegrades rapidly in water and soil, and will not persist in environment. **Bioaccumulation:** Because of its high solubility and biodegradation, it is unlikely that bioaccumulation will occur in aquatic or terrestrial systems.

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| 13. DISPOSAL INFORMATION | |
| Disposal: | Dispose of in accordance with all applicable Federal, State, and local regulations. Note: It is the purchasers' responsibility to dispose of properly. |

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| 14. TRANSPORTATION | |
| Domestic: | Not DOT regulated. |
| International: | Not DOT regulated. |

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| 15. REGULATORY INFORMATION | |
| TSCA: | The intentional ingredients of this product are listed. |
| SARA 302 Components: | None |
| SARA 313 Components: | None |
| State and Local Regulations | |
| California Proposition 65: | None |

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| 16. OTHER INFORMATION | |
| The information contained herein is believed to be accurate based on this company's knowledge as of the date noted. No warrantee or guarantee, expressed or implied, is given as to the accuracy, reliability, or completeness of the information given. Some information presented and conclusions drawn herein may be from sources other than direct test data on the substance itself. This company assumes no responsibility for injury, damage or loss resulting from the use of this material. | |