产品的名称:
STERNO BRAND® WICK  FOOD WARMING FUEL

一般用途:
一种可燃液体罐装热源。燃料，二甘醇，通过一根火柴点燃并燃烧，提供热量用于食物取暖应用。

制造公司:
The STERNO GROUP
Candle Corporation of America
999 E. Touhy Suite 500
Des Plaines, IL  60018

美国和加拿大:
消费者信息：拨打免费电话：1-888-4-LITES-1。
紧急情况下涉及泄漏、火灾、接触或事故，拨打CHEMTREC：1-800-424-9300，白天或晚上。
仅用于医疗紧急情况的电话：1-888-313-8954。

国际:
紧急情况下涉及泄漏、火灾、接触或事故，拨打1-(703) 527-3887（位于美国）。
仅用于医疗紧急情况的电话：您的当地中毒控制中心或美国医疗紧急中心（651）632-8954。

成分/信息成分:

<table>
<thead>
<tr>
<th>成分</th>
<th>CAS号</th>
<th>%</th>
<th>PEL</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene Glycol</td>
<td>111-46-6</td>
<td>100.0</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

二甘醇，具有潜在致癌性或致癌成分，由国家毒理学程序（NTP）、国际癌症研究机构（IARC）或OSHA列出。

<table>
<thead>
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<tr>
<td>None - not applicable</td>
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</table>

二甘醇，一种可燃的液体燃料。

紧急概述：二甘醇有害，口服LD50（大鼠）20.76 g/kg。

预防性标识：误服危险。远离儿童。含有二甘醇。如果误服，给牛奶或水，立即就医。

眼睛接触：立即用大量温水冲洗15分钟。如有不适，请联系中毒控制中心或医生。

皮肤接触：去除并隔离污染的衣物。用温水冲洗暴露部位15分钟。如有不适，请联系中毒控制中心或医生。

误吞：有害或致命。短暂刺激神经系统，随后可能导致呼吸衰竭，肾损伤，可能致命。

吸入：在通风良好的区域燃烧产品。避免吸入未燃烧的蒸汽。

灭火措施:
易燃点（方法）：255°F (124°C)
灭火介质：水，CO2，泡沫，干化学。

急救措施:
眼睛接触：用大量温水冲洗眼睛15分钟。如有不适，立即就医。
皮肤接触：去除并隔离污染的衣物。用温水冲洗暴露部位15分钟。如有不适，立即就医。
误吞：有害或致命。立即就医。

消防措施:

疏散：易燃液体。保持开阔空间。通风良好的区域。

储存：存放在阴凉干燥处。远离火源。

废弃：按照当地规定处理。不使用时，密封容器。

安全指南：遵循所有安全指南。在使用前阅读并理解安全数据表。

健康危害：二甘醇中毒。

紧急情况：二甘醇有害。如果误服，给牛奶或水，立即就医。

皮肤健康：避免皮肤接触。

吸入健康：避免吸入未燃烧的蒸汽。

燃烧健康：吸入未燃烧的蒸汽。

应急响应：仅用于医疗紧急情况的电话：您的当地中毒控制中心或美国医疗紧急中心（651）632-8954。

安全数据表信息：

OSHA regulated components (present at a concentration > or = 1%):

<table>
<thead>
<tr>
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</table>

The following components, present at a concentration > or = 0.1%, are listed as carcinogens or potential carcinogens by either the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or OSHA:

<table>
<thead>
<tr>
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DIETHYLENE GLYCOL - EINECS number: 203-872-2
SPECIAL FIRE FIGHTING PROCEDURES: No known toxic combustion products or special fire fighting hazards. Self-contained breathing apparatus and protective clothing should be worn when fighting chemical fires.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Remove all sources of ignition. Provide adequate ventilation. Absorb on vermiculite, paper or other absorbent. Flush area with water.

SECTION 7 - HANDLING AND STORAGE

STORAGE: Store in a cool dry place (40 - 120 degrees F or 4 - 49 degrees C). Provide adequate ventilation in area of use. Store away from sources of heat or open flame. Keep container closed when not in use.

HANDLING: Avoid contact with skin and eyes. Do not ingest. Place can in fuel holder or under chafer before lighting. Burn can in a level upright position. Keep away from combustibles (e.g. paper plates and napkins). Keep away from children.

SECTION 8 - EXPOSURE CONTROLS/PERSOMAL PROTECTION

GENERAL CONTROLS: Avoid contact with skin and eyes. Precautionary labeling: Harmful if swallowed. Keep away from children. Contains diethylene glycol. In case material is swallowed give milk or water. Call a physician.

PROTECTIVE CLOTHING: Under normal conditions of use, no special protection for skin or eyes is required.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear viscous liquid, and mild odor. VAPOR PRESSURE: (MM HG) 0.02@68°F

DENSITY: 1.1 g/cm3 (Water =1)

SOLUBILITY IN WATER: Miscible / Complete

pH: N/A

SECTION 10 - STABILITY AND REACTIVITY

GENERAL: This product is stable. Hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS: Avoid elevated temperatures. Store away from source of heat/flame.

HAZARDOUS DECOMPOSITION: Not known.

SECTION 11 - TOXICOLOGICAL INFORMATION

SUMMARY: Diethylene glycol is essentially nontoxic by the inhalation or dermal exposure routes. It has been lethal following ingestion. However, because of some reported human fatalities and evidence for carcinogenicity in experimental animals, diethylene glycol is Class 3 (may cause irreversible effects which can be life threatening) for general toxicity. Because of the conflicting reports of reproductive effects in experimental animals, diethylene glycol is Class B (mixed reproductive effects in animals but no human data) for reproductive effects. The actual human reproductive hazard is unknown.

Component: 2,2'-oxybis-ethanol

LD50 (ORAL): Rat 12.6G/KG LC50 (INHL): Mouse 130 MG/M3/2H

SKIN EFFECTS: This substance is a mild skin irritant.

EYE EFFECTS: This product is expected to be a mild eye irritant.

ACUTE ORAL EFFECTS: When ingested, may cause nausea, vertigo, bronchial and general intestinal irritation, CNS effects and severe metabolic acidosis. Toxicity is related to the degree of acidosis produced and the time interval between exposure and specific treatment.

ACUTE INHALATION EFFECTS: May produce symptoms of central nervous system depression including headache, dizziness, nausea, loss of sense of balance, drowsiness, visual disturbances, unconsciousness and death.

SUBCHRONIC EFFECTS: Diethylene glycol given to rats in the diet for two years caused bladder stones, tumors, and kidney and liver damage. These effects were probably due to contaminating diethylene glycol, and the bladder stones were formed from oxalate crystals.

CHRONIC EFFECTS / CARCINOGENICITY: No evidence for carcinogenicity was found with a chronic skin-painting study in mice. The absence of a direct chemical carcinogenic effect accords with the results in vitro genotoxicity studies which shows that it does not produce mutagenic or clastogenic effects.

REPRODUCTIVE/EVENTATIONAL EFFECTS: There are conflicting results in the literature about the reproductive effects of diethylene glycol in animals. It did not affect reproduction when given orally to rats, but another report stated that it may have affected either male or female fertility or both, because no pregnancies occurred when both sexes were exposed orally. When diethylene glycol was given at a dose of 5% in the diet to rats during pregnancy, there was a slight reduction in

(709860)
weights of the newborns, but no teratogenicity. Diethylene glycol was not fetotoxic or teratogenic, nor was it maternally toxic, when given orally to pregnant rabbits as doses up to 1000 mg/kg from day 7 to 19 after insemination. Diethylene glycol had no effect on fertility at a level of 2.5% in the drinking water of mice. ever, another preliminary study in mice concluded that it may be a suspect reproductive hazard. Diethylene glycol given to rats resulted in specific developmental abnormalities of the musculoskeletal system and fetotoxicity.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: This material is highly soluble in water. Laboratory toxicity tests indicate that it is not significantly toxic to fish and aquatic invertebrates, although amphibians may be more sensitive. Wildlife species may be more susceptible since mammals and birds do not readily metabolize this material. The odor and flavor of this material may attract some wildlife and cause them to consume spilled material.

ENVIRONMENTAL FATE: This material will biodegrade relatively rapidly in both soil and water, and will not persist in the environment. Due care should be taken to avoid accidental releases to aquatic or terrestrial systems. Diethylene glycol (DEG) is highly soluble in water.

BIOACCUMULATION: Because of this material’s high solubility and rapid biodegradability, it is unlikely that bioaccumulation will occur in aquatic or terrestrial systems. Models estimate that this material will preferentially partition to water versus air or soil.

SECTION 13 - DISPOSAL CONSIDERATIONS

NOTE: The purchaser is responsible for proper waste disposal of empty, partial, or full cans. Any disposal practice must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water, or onto the ground.

SECTION 14 - TRANSPORTATION

This product is not regulated as a DOT hazardous material.

SECTION 15 - REGULATORY INFORMATION

OSHA: This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).
RCRA (40 CFR 261, Subpart D): None of the OSHA regulated components in this product are listed as hazardous wastes under 40 CFR 261 (Subpart D).
CLEAN WATER ACT: None of the OSHA regulated components in this product are Section 311 listed chemicals.
SARA: Sections 301-304 (Threshold planning quantity - TPQ) 40 CFR 355: No TPQ for any OSHA regulated component. Section 313 (Toxic chemical release reporting) 40 CFR 372: The following chemicals must be reported under SARA 313: Not applicable to any OSHA regulated component.
CERCLA: Section 102 (Reportable Quantity - RQ) 40 CFR 302: No RQ for any OSHA regulated component.

PRECAUTIONARY LABELING: Symbol Xn; Harmful if swallowed; Keep out of reach of children; If swallowed seek medical advice immediately and show this container label.

German Water Classification(WGK): 1

SECTION 16 - OTHER INFORMATION

The information on this sheet is limited to the material identified and is believed by Candle Corporation of America to be correct based on its knowledge and information as of the date noted. Candle Corporation of America makes no representation, guarantee or warrantee, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material.

MSDS REVISION INDICATORS: Revised Sections 1, 16, Header.
Revision date: February 17, 2005, Supersedes: March 29, 2004

FOR OTHER PRODUCT INFORMATION CONTACT:
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15 Station Road Division of Candle Corporation of America
Barnes 303 Falvey Blvd.
London SW13 9RY Texarkana, Texas 75501-6620
ENGLAND 1-(903) 223-3400
1-44 (0)208 8766935

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