



EG-Sicherheitsdatenblatt gemäß 91/155/EWG
MATERIAL SAFETY DATA SHEET

MSDS # 38 STERNO Wick
Original Date 01-03-2011
PRODUCT NAMES: STERNO WICK BRAND® WICK FOOD WARMING FUEL

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

ACUTE HEALTH 1 FIRE 1 REACTIVITY 0 HMIS HAZARD RATING: LEAST- 0, SLIGHT- 1, MODERATE-2, HIGH – 3, EXTREME - 4

PRODUCT NAMES: STERNO WICK BRAND® WICK FOOD WARMING FUEL
UPC/SKU #: STO05006, STO5008, STO5009, STO5010, STO5010S, STO5012, STO5016, STO5016S, STO5016ED, STO5016FSA, STO5016R, STO3009, STO3009BK, STO3009S
CAS NUMBER: 107-21-1
GENERAL USE: A combustible liquid canned heat. The fuel, Ethylene Glycol, is delivered via a wick. The product is ignited and burned to provide heat for food warming applications.

SUPPLIER: The STERNO GROUP LLC
999 E Touhy, Suite 500
Des Plaines, IL USA 60018

China (P.R.C):

For consumer information: Call (86-21)53750455, 57407341,
For emergencies involving spill, leak, fire, exposure or accident: Call 86-13801659141, 13901660571
For medical emergencies call your local Poison Control Center

INTERNATIONAL:

For emergencies involving spill, leak, fire, exposure or accident, Call 86-13801659141 (located in China).
For medical emergencies call your local Poison Control Center

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

OSHA REGULATED COMPONENTS (present at a concentration > or = 1%):

Component	CAS #	%	PEL	TLV
Ethylene Glycol	107-21-1		NE	NE
Diethylene Glycol.....	111-46-6.....			

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:

Component	CAS #	%	PEL	TLV
None - not applicable				

DIETHYLENE GLYCOL - EINECS number: 203-872-2

SECTION 3 - HAZARDS IDENTIFICATION

Ethylene Glycol is a clear combustible liquid.

EMERGENCY OVERVIEW: Ethylene Glycol is toxic if ingested. Oral LD50 (rat) Acute 4700 mg/kg. Vapor LC 50(rat) 200mg/m 4 hours.

PRECAUTIONARY LABELING: Harmful or Fatal if swallowed. Keep away from children. Contains diethylene glycol. In case material is swallowed give milk or water. Call a physician.

EYE CONTACT: Eye irritant upon direct contact.

SKIN CONTACT: May cause skin irritation upon prolonged contact.

INGESTION: Harmful or fatal if swallowed. Transient stimulation of the central nervous system, followed by depression, vomiting, drowsiness, coma, respiratory failure, renal damage, possibly leading to death.

INHALATION: Burn product in a well ventilated area. Avoid breathing unburned vapors.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Flush eye with large amounts of warm water for 15 minutes. If irritation persists, contact poison center or doctor.

SKIN CONTACT: Remove and isolate contaminated clothing. Flush exposed area with warm water for 15 minutes. If irritation persists, contact poison center or doctor.

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of warm water or milk. Immediately contact doctor and poison center.

INHALATION: Seek fresh air and take slow deep breaths. Drink some sips of water. If coughing persists, contact poison center or doctor.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point (Method): 241 degrees F (116 degrees C) Auto Ignition Temp: 748 degrees F-(398 degrees C)

Extinguishing Media: Water, CO2, Foam, Dry Chemical LEL: 3.2% by volume UEL 15.3%

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.

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 chafin 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/PERSONAL 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.

Exposure Limits. STEL.120 (mg/m³) [Australia] TWA.100(mg/m³) from ACGIH (TLV) [United States] CEIL.125(mg/m³) from OSHA (PEL) [United States] CEIL. 50 (ppm) from OSHA (PEL) [United States] TWA. 52 STEL.104 (mg/m³) [United Kingdom(UK)] Inhalation TWA. 109mg/m³) [United Kingdom (uK)] Skin 3. Consult local regulatory authorities for acceptable exposure limits.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear viscous liquid, and mild odor VAPOR PRESSURE: (MM HG) 0.06@68°F

DENSITY: 1.1 g/cm³ (Water =1)

VAPOR DENSITY: 2.2 (AIR =1)

SOLUBILITY IN WATER: Miscible / Complete

BOILING POINT: 387°F/198°C

pH: N/A

MELT POINT: Not Applicable for liquids

SECTION 10 - STABILITY AND REACTIVITY

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

INCOMPATIBLE MATERIALS: Reactive with oxidizing agents, acids, alkalis.

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

HAZARDOUS DECOMPOSITION: Not known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

Peroral: Human; Lethal Dose; approximately 3 ounces(100ml) for ethylene glycol. Peroral: Rat; LD50=>6000mg/kg; based on information for components..Percutaneous: Rabbit; LD50=>22270 mg/kg. Inhalation: Rat; LC=> 3.95 mg/l; Aerosol, 7 hours, for ethylene glycol.

Developmental Toxicity

Based on animal studies, ingestion of very large amounts of ethylene glycol appears to be major and possibly only route of exposure to produce birth defects. Diethylene glycol has caused toxicity to the fetus and some birth defects at maternally toxic, high doses in animals. Other animal studies have not reproduced birth defects even at much higher doses that caused severe maternal toxicity. For ethylene glycol; Exposures by inhalation or skin contact, the primary routes of occupational exposure, had minimal effect on the fetuses, in animals.

Reproductive Toxicity

Ingestion of large amounts of ethylene glycol and diethylene glycol has been shown to interfere with reproduction in animals.

Genetic Toxicology

In Vitro: For ethylene glycol and diethylene glycol; In vitro mutagenicity studies were negative.

In Vivo: For ethylene glycol and diethylene glycol; Animal mutagenicity studies were negative.

Chronic Toxicity and Carcinogenicity

Ethylene glycol did not cause cancer in long term animal studies. Diethylene glycol has been tested for carcinogenicity in animal studies and is not believed to pose a carcinogenic risk to man.

Significant data with possible relevance to humans

Effects have been reported in the following organs:

For ethylene glycol: Observations in humans include: Nystagmus (Involuntary eye movement). Repeated excessive exposure may cause irritation of the upper respiratory tract.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Fate Based largely or completely on information for: Ethylene glycol. Biodegradation reached in Modified OED Screening test (OECD Test No. 302) after 28 days:>90% Biodegradation reached in Manometric Respirometry Test (OECD Test No.301 F) after 28 days:>94%.

ECOTOXICITY: Based largely or completely on information for ; Ethylene glycol.

Toxicity to Micro-organisms	Toxicity to Aquatic Invertebrates	Toxicity to Aquatic Plants
Bacterial/NA; 16h; EC50	Water flea Ceriodaphnia dubia;LC50	green alga Selenastrum capricornutum; Growth inhibition; EC50
Result value: >10000mg/l	Result value: (1000-25800) mg/l	Result value(9500-13000)mg/l

Toxicity to Fish	Toxicity to Fish	Toxicity to Fish
Rainbow trout (Oncorhynchus mykiss); LC50	Bluegill (Lepomis macrochirus); LC50	Fathead minnow (Pimephales); LC50
Result value: (1800-46000)mg/l	Result value: 27540 mg/l	Result value: 51000 mg/l

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/province 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 The Sterno Group LLC to be correct based on its knowledge and information as of the date noted. The Sterno Group LLC makes no representation, guarantee or warranty, 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: Sections: 1, 16, Header
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