



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

MSDS # 01L ST04006, ST04008, ST04528  
REVISED DATE: 06-06-11

PRODUCT NAME: Sterno Brand® Canned Heat™ Cooking Fuel

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

ACUTE HEALTH 1 FIRE 3 REACTIVITY 0 HMIS HAZARD RATING: LEAST- 0, SLIGHT- 1, MODERATE- 2, HIGH- 3, EXTREME- 4  
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PRODUCT NAME: STERNO BRAND ® CANNED HEAT™ COOKING FUEL,  
UPC/SKU #: **ST04006G, ST04008G**, ST04008BK, , ST04008ED, ST04008FSA, ST04008S,  
ST04008T, ST04024, ST04037, ST04043, ST04048,  
ST04528, ST04528T, ST03121, ST03142, ST03142S  
40001, 40002, 40003, 40004,40007, 40008, 50001, 50003, 50005, 60001, ST07000.

CAS NUMBER: Not applicable - product is a mixture

GENERAL USE: A gelled alcohol food warming fuel. Fuel is SDA-40-B (ethyl alcohol denatured with t-butanol.)

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

#### U.S., CANADA AND MEXICO:

For consumer information: Call toll free: 1 (888) – 4-LITES-1.

For emergencies involving spill, leak, fire, exposure or accident, call CHEMTREC: 1 (800) 424-9300, day or night.

For medical emergencies only, call toll free: 1 (888) 313-8954.

#### INTERNATIONAL:

For emergencies involving spill, leak, fire, exposure or accident, CALL 1-(703) 527-3887(located in the US).

For medical emergencies call your local Poison Control Center or the US Medical Emergency Center at (651) 632-8954.

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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

Component	CAS #	%	PEL	TLV
Ethanol	64-17-5	67		1000 ppm
t-Butanol	75-65-0	less than 1	100 ppm.....	100ppm

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				

ETHANOL: EINECS number: 200-578-6 EU classification: F; R11

tert-Butanol EINECS number: 200-889-7 EU classification: T; R11,R20, R36/37

### SECTION 3 - HAZARDS IDENTIFICATION

PRECAUTIONARY LABELING: Caution flammable mixture. Keep away from children. Do not use near fire or flame.

EYE CONTACT: Eye irritant upon direct contact.

SKIN CONTACT: May cause skin irritation upon prolonged contact.

INGESTION: Possible alcoholic breathe, exhilaration followed by CNS depression, slurred speech, convulsions and hypoglycemia.

INHALATION: Burn product in a well ventilated area.

### 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: Drink sips of warm water or milk. If symptoms persist, contact poison center or doctor.

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): 54 degrees F or 12.1 degrees C (Tag closed cup)

AUTOIGNITION: @ 745 mm Hg: 845.6F (452 degrees C)

EXTINGUISHING MEDIA: CO<sub>2</sub>, Foam, Dry Chemical

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. Do not use high pressure stream of water to extinguish burning material.

UNUSUAL FIRE AND EXPLOSION HAZARD: Closed cans exposed to flame and heat may erupt, scattering

## 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 chafers 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. Provide adequate ventilation.

PROTECTIVE CLOTHING: The use of eye protection (goggles) and rubber gloves is recommended.

RESPIRATORS: Not required.

SPECIAL PRECAUTIONS: Keep out of the reach of children.

PRECAUTIONARY LABELING: Caution flammable mixture. Keep away from children. Do not use near fire or flame.

Ethanol Exposure Limits

CAS	Data	List Name	Chemical Name
64-17-5	A4 - Not Classifiable as a Human Carcinogen	ACGIH - Carcinogens	Ethanol
64-17-5	1000 ppm TWA	ACGIH - Occupational Exposure Limits - 8 Hour TWAs	Ethanol
64-17-5	irritation	ACGIH - TLV Basis - Critical Effects	Ethanol
64-17-5	1000 ppm MAK; 1900 mg/m <sup>3</sup> MAK	Austria - Occupational Exposure Limits (MAK Values)	Ethanol
64-17-5	Category IV	Austria - Short Term Exposure Categories	Ethanol
64-17-5	1000 ppm VLE; 1907 mg/m <sup>3</sup> VLE	Belgium - Occupational Exposure Limits - 8-Hour	Alcool ethylique
64-17-5	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA	Denmark - Occupational Exposure Limits - 8-Hour	Ethanol
64-17-5	LC50 (96 hr) rainbow trout (30 days old):12900-15300 mg/L;Flow-through, 24-24.3 degrees C, pH 7.56-7.60, 40.9-43.7 mg/L CaCO <sub>3</sub> ;LC50 (24 hr) fingerling trout:11200 mg/L.;LC50 (96 hr) fathead minnow:14200 mg/L.	Ecotoxicity - Fish Species Data	Ethyl alcohol
64-17-5	[present]	EU - Council Regulation Evaluation of Existing (HPV) Substances - 793/93	Ethyl alcohol
64-17-5	Annex # 603-002-00-5 Nota: - EINECS: 200-578-6 Reference: Annex One 19th Adaptation (L258A), Page(s): 629 Key: 603-002-00-5	EU - Dangerous Substances (Annex I) - Administrative info.	Ethanol
64-17-5	F; R-11 Key: 603-002-00-5	EU - Dangerous Substances (Annex I) - Classification	ETHANOL
64-17-5	F Key: 603-002-00-5	EU - Dangerous Substances (Annex I) - Labels	ETHANOL
64-17-5	S-2 S-7 S-16 Key: 603-002-00-5	EU - Dangerous Substances (Annex I) - Safety Phrases	ETHANOL
64-17-5	Present	EU - Inventory of Cosmetic Ingredients, Other Ingredients (INCI)	Alcohol
64-17-5	Present	EU - Inventory of Cosmetic Ingredients, perfume and aromatic materials (INCI)	ethanol
64-17-5	1300 ppm STEL; 2500 mg/m <sup>3</sup> STEL	Finland - Occupational Exposure Limits - 15-Minute	Ethyl alcohol
64-17-5	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA	Finland - Occupational Exposure Limits - 8-Hour	Ethyl alcohol
64-17-5	[present]	Florida - Substance List	Ethyl alcohol
64-17-5	5000 ppm VLE; 9500 mg/m <sup>3</sup> VLE	France - Occupational Exposure Limits - 15-Minute VLEs	Alcool ethylique
64-17-5	1000 ppm VME; 1900 mg/m <sup>3</sup> VME	France - Occupational Exposure Limits - 8-Hour VMEs	Alcool ethylique
64-17-5	Category 5 (low carcinogenic potency)	Germany (DFG) - Carcinogens	Ethanol
64-17-5	500 ppm MAK; 960 mg/m <sup>3</sup> MAK	Germany (DFG) - Occupational Exposure Limits - 8-Hour (MAK Values)	Ethanol
64-17-5	1000 ppm Peak; 1920 mg/m <sup>3</sup> Peak	Germany (DFG) - Occupational Exposure Limits - Ceilings (Peak Limitations)	Ethanol
64-17-5	no risk to embryo/fetus if exposure limits adhered to	Germany (DFG) - Pregnancy	Ethanol
64-17-5	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA	Germany - TRGS 900 - 8-Hour Occupational Exposure Limits	Ethanol
64-17-5	Category 3	Germany - TRGS 905 - Developmental Toxins	Ethanol
64-17-5	Category 3	Germany - TRGS 905 - Reproductive Toxins	Ethanol
64-17-5	1; Fussnote 46 Key: 0096	Germany - Water Classification (VwVwS) - Water Hazard Classes	Ethanol
64-17-5	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA	Greece - Occupational Exposure Limits - 8-Hour	Ethyl alcohol
64-17-5	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA	Iceland - Occupational Exposure Limits - 8-Hour	Ethanol (etylalkohol)
64-17-5	200-578-6; C2H6O	Inventory - European Inventory of Existing Commercial Chemical Substances	Ethanol
64-17-5	1000 ppm OEL; 1900 mg/m <sup>3</sup> OEL	Ireland - Occupational Exposure Limits - 8-Hour	Ethanol
64-17-5	500 ppm MAC; 1000 mg/m <sup>3</sup> MAC	Netherlands - Occupational Exposure Limits - 8 Hour MACs	Ethanol
64-17-5	500 ppm OEL; 950 mg/m <sup>3</sup> OEL	Norway - Occupational Exposure Limits - 8-Hour	Ethanol
64-17-5	3000 mg/m <sup>3</sup> NDSch	Poland - Occupational Exposure Limits - 30-Minute	Ethanol (Etylowy alkohol)
64-17-5	1000 mg/m <sup>3</sup> NDS	Poland - Occupational Exposure Limits - 8-Hour	Ethanol (Etylowy alkohol)
64-17-5	1000 ppm TWA	Portugal - Occupational Exposure Limits - 8-Hour	Ethanol
CAS	Data	List Name	Chemical Name
64-17-5	1000 ppm VLA-ED; 1910 mg/m <sup>3</sup> VLA-ED	Spain - Occupational Exposure Limits - 8-Hour (VLA-ED)	Alcohol etilico
64-17-5	1000 ppm STV; 1900 mg/m <sup>3</sup> STV	Sweden - Occupational Exposure Limits - 15-Minute (STVs)	Ethyl alcohol
64-17-5	500 ppm LLV; 1000 mg/m <sup>3</sup> LLV	Sweden - Occupational Exposure Limits - 8-Hour (LLVs)	Ethyl alcohol
64-17-5	Developmental Risk Group = C	Switzerland - Developmental Risk Group	Ethanol
64-17-5	[Present]	Switzerland - List of Tested Substances not subject to a Toxic Substances Class	Aethanol
64-17-5	1000 ppm STEL; 1920 mg/m <sup>3</sup> STEL	Switzerland - Occupational Exposure Limits - 15-Minute	Ethanol

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Pink-red gel, alcohol odor

DENSITY: 0.85 g/cm<sup>3</sup>

SOLUBILITY IN WATER: Moderate

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

BOILING POINT: 168.62 degrees F or 75.9 degrees C

pH: 7.5-8.5 (as is)

FREEZE/MELT POINT: N/A

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### SECTION 10 - STABILITY AND REACTIVITY

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GENERAL: This product is stable. Hazardous polymerization will not occur.  
INCOMPATIBLE MATERIALS: Heat, open flame, strong oxidizers.  
HAZARDOUS DECOMPOSITION: None known.

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### SECTION 11 - TOXICOLOGICAL INFORMATION

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No information on product is available at this time.

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### SECTION 12 - ECOLOGICAL INFORMATION

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No information on product is available at this time.

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### SECTION 13 - DISPOSAL CONSIDERATIONS

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**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.

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### SECTION 14 - TRANSPORTATION

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DOT CLASSIFICATION: ST04006G, ST04008G, ST04008AB, ST04008B, ST04008BK, ST04008BZG, ST04008ED, ST04008FSA, ST04408J, ST04008S, ST04008T, ST04018, ST04024, ST04037, ST04040, ST04041, ST04042, ST04043, ST04045, ST04046, ST04048, ST04049, ST04072, ST04415, ST04528, ST04528B, ST04528T, ST03121, ST03142, ST03142S, 20406, 20407, 20408, 20409, 20410, 20411, 20420, 204085, 204095, 204335, 20502, 20503, 20504, 20507, 20508, 20509, 20510, 20511, 20512, 20525, 205035, 205075, 40001, 40005, 50007

**U.S. DOMESTIC:** Consumer Commodity ORM-D

**INTERNATIONAL:** UN 1993, FLAMMABLE LIQUIDS, N.O.S. (CONTAINS ETHANOL) 3, II, LIMITED QUANTITY

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### SECTION 15 - REGULATORY INFORMATION

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OSHA: This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

RCRA (40 CFR 261.33): The material in this product meets RCRA's characteristic definition of ignitability.

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: Releases of this material to air, land or water are not reportable to the National Response Center under CERCLA.

PRODUCT LABELING INFORMATION:

SYMBOL F; Xn

RISK PHRASES: Highly flammable; Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

SAFETY PHRASES: Keep out of reach of children. Keep away from sources of ignition – NO SMOKING. If swallowed seek medical advice immediately and show this container label. Keep container tightly closed and in a well ventilated place. Dispose of this material and its container to hazardous or special waste collection point.

German Water Classification(WGK): 1, Fussnote 46

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### SECTION 16 - OTHER INFORMATION

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Risk Phrase in Section 2: R11: Highly flammable.

FOR OTHER PRODUCT INFORMATION CONTACT:

Sterno International  
Hartnoll Business Centre  
Post Hill  
Tiverton  
Devon

The STERNO GROUP LLC  
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Texarkana, Texas 75501-6620  
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England

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1-44-(0)-1884-255-954

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MSDS REVISION INDICATORS: Revised Sections 1, 14, 16, Header.

REVISION DATE: June 6, 2011, April 27, 2010, March 22, 2010, March 27, 2009, Supersedes October 26, 2007, Supersedes October 25, 2007

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