



Division of Candle Corporation of America

MATERIAL SAFETY DATA SHEET

MSDS # 07 LIGHTERS 897, 897FSA
REVISED DATE: 06-14-2007
PRODUCT NAME: BUTANE CANDLE LIGHTER

SECTION 1 - IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: Butane Candle Lighter

UPC/SKU #: US Domestic: 897, 897FSA

CHEMICAL NAME: Liquefied Hydrocarbons

PRODUCT APPEARANCE AND ODOR: Colorless, Faint Odor

CAS NUMBER: 75-28-5

GENERAL USE: Barbecues... regular or gas grills. Fireplaces... with or without gas starters. Camping equipment... stove. Pilot lights... furnace, water heater, cooking ranges. Candles and hurricane lamps. Portable space heaters (non-electric). Outdoor gas or kerosene lanterns.

The STERNO GROUP
999 E Touhy, Suite 500
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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 - COMPONENTS AND HAZARD INFORMATION

Component	CAS #	%	PEL	TLV
Isobutane	75-28-5	50		
Propane	74-98-6	15		
Normal Butane	106-97-8	30		
Pentane	109-66-0	2		
Hexane/Heptane	110-54-3/142-82-5	3		

See section 5 for Health and Hazard Information.

See section 8 for Environmental Information.

ACUTE HEALTH FIRE REACTIVITY

1 4 0

HMIS HAZARD RATING: LEAST- 0, SLIGHT- 1, MODERATE- 2, HIGH- 3, EXTREME- 4

BASIS: Recommended by Manufacturer

EXPOSURE LIMIT FOR TOTAL PRODUCT: Mixture TLV 800 ppm for 8 hr. BASIS: ACGIH

SECTION 3 - PRIMARY ROUTES OF ENTRY AND FIRST AID PROCEDURES

Disposable lighters do not present a health hazard. The information below is supplied as a guideline for larger quantities of liquefied hydrocarbons.

EYE CONTACT: Rinse immediately with water. Remove contact lenses, then flush eyes with water for 10-15 minutes. If irritation persists, call for medical attention.

SKIN CONTACT: Frozen tissues should be flooded or soaked with warm water (105 - 115 °F). Do not use hot water. Cryogenic burns, which result in blistering or deeper tissue freezing, should be promptly seen by a physician.

INHALATION: Immediately remove from contaminated area to fresh air. For respiratory distress, give air, oxygen and/or administer

cardiopulmonary resuscitation. Patients should be kept quiet and warm until medical care is obtained.
INGESTION: Rinse mouth with water. Drink 1-2 glasses of water or milk. Do not induce vomiting unless directed by medical personnel.

SECTION 4 - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (MINIMUM): -117°F (EST)
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)-HAZARD IDENTIFICATION: Health- 1, Flammability- 4, Reactivity- 0
BASIS: Recommended by Manufacturer
FLAMMABLE OR EXPLOSIVE LIMITS (APPROXIMATE % BY VOLUME IN AIR)
Lower 1.8% Higher 8.8% Based on ISOBUTANE
EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES: Use dry chemical, foam, or carbon dioxide.

SECTION 5 - HEALTH AND HAZARDS INFORMATION

Disposable lighters do not present a health hazard. The information below is supplied as a guideline for larger quantities of liquefied hydrocarbons.
PRECAUTIONARY LABELING: WARNING: Contains gas under pressure, keep away from flame or heat above 40°C. Keep out of reach of children. Do not puncture or incinerate. Keep away from face when igniting or adjusting flame. Be sure flame is extinguished after use.
EYE CONTACT: This gas is non-irritation but direct contact with liquefied pressurized gas or frost particles may produce severe and possibly permanent eye damage from freeze burn.
SKIN CONTACT: This gas is non-irritation but direct contact with liquefied pressurized gas particles may produce freeze burn.
INHALATION: Oxygen deficient atmospheres may produce rapid breathing, headache, dizziness, visual distress, muscular weakness, tremors, narcosis, unconsciousness, and death. Depending on concentration and duration of exposure.
INGESTION: Solid and liquid forms of this material and the pressurized gas can cause freeze burns.

SECTION 6 - PHYSICAL DATA

APPEARANCE AND ODOR: Colorless, faint odor	VAPOR PRESSURE: 2700 mm Hg
SPECIFIC GRAVITY: < 1.0 @ 15°C	VAPOR DENSITY: 1.9 Air = 1
SOLUBILITY IN WATER: @ 20°C Slight	BOILING POINT: -4°F
MOLECULAR WEIGHT: NO DATA	PERCENT VOLATILE BY VOLUME: 100%
EVAPORATION RATE : N/A	POUR, CONGEALING OR MELT POINT: -255°F

SECTION 7 - REACTIVITY

STABILITY: This product is stable. Hazardous polymerization will not occur.
INCOMPATIBILITY MATERIALS TO AVOID: May react with strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Upon combustion, carbon monoxide and carbon dioxide are generated.

SECTION 8 - ENVIRONMENTAL INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Consult health effect information in Sections 3 and 5. Personal health protection in Section 9. Fire protection information in Section 4 and reactivity data in Section 7. Notify appropriate authorities of spill. Remove all sources of ignition.
WASTE DISPOSAL METHOD: All disposals must comply with Federal, State, and local regulations. The material, if spilled or discarded, may be regulated waste. Refer to state and local regulations. Damaged lighters are to be returned to distributor or manufacturer. DO NOT PUNCTURE OR INCINERATE. Empty lighters may be disposed of at suitable landfill.

SECTION 9 - PROTECTION AND PRECAUTIONS

STORAGE: Keep away from high heat and open flames. Lighters may rupture individually when exposed to high temperatures such as open flames.

VENTILATION: None for lighters.

RESPIRATORY PROTECTION: None for lighters.

EYE PROTECTION: None for lighters.

SKIN PROTECTION: None for lighters.

PERSONAL HYGIENE: Consumption of food and beverage should be avoided in work areas where hydrocarbons are present.
Always wash hands and face with soap and water before eating, drinking, or smoking.

SECTION 10 - TRANSPORTATION AND OSHA RELATED LABEL INFORMATION

TRANSPORTATION INCIDENT INFORMATION: For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents, GUIDE 115

DOT IDENTIFICATION NUMBER: UN 1057

FREIGHT CLASSIFICATION: Lighters, Containing Flammable Gas, Class 2.1, UN 1057, 12 lighters/box, 2.5 #s/case

OSHA REQUIRED LABEL INFORMATION: In compliance with hazard and right-to-know requirements, the following OSHA Hazard Warnings should be found on a label, bill of lading, or invoice accompanying this shipment.

LABELS: FLAMMABLE GAS 2.1

NOTE: Product label will contain additional non-OSHA related 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 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.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal council should be consulted to insure proper health, safety, and other necessary information is included on the container.

The Environmental information included under Section 8 hereof as well as the Hazardous Materials Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by The Sterno Group LLC in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with The Sterno Group LLC's interpretation of the available data.

FOR OTHER PRODUCT INFORMATION CONTACT:

Sterno International	The STERNO GROUP LLC
Hartnoll Business Centre	303 Falvey Blvd.
Post Hill	Texarkana, Texas 75501-6620
Tiverton	1-(903) 223-3400
Devon	
England	
EX16 4 NG	
1-44 (0) -1884-255-954	

MSDS REVISION INDICATORS: Revised Sections 1, 10 and the Header

REVISION DATE: June 14, 2007, SUPERSEDES: February 17, 2005

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