



Division of Candle Corporation of America

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

MSDS # 09 220, 220D, 221  
REVISED DATE: 06-14-2007  
PRODUCT NAME: BULK LIQUID

**SECTION 1 - IDENTIFICATION AND EMERGENCY INFORMATION**

**HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):** ACUTE HEALTH FIRE REACTIVITY  
BASIS: Recommended by Manufacturer 1 1 0

**PRODUCT NAME:** BULK LIQUID

**UPC/SKU #:** 220, 220D, 221

**PRODUCT DESCRIPTION:** Liquid Wax; 1 Gallon and 2-1/2 Gallon in bulk for refillable cartridges.

**PRODUCT CATEGORY:** Petroleum Solvent

**PRODUCT APPEARANCE AND ODOR:** Clear water-white liquid, essentially odorless

**CAS NUMBER:** 64771-72-8

**GENERAL USE:** Used in refillable cartridges for lamps.

The STERNO GROUP LLC  
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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**

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE
Paraffin's (petroleum), normal C5-20	64771-72-8	100%

EINECS number: 265-233-4 EU classification: Xn; R65

This product, as manufactured, does not contain polychlorinated biphenyl's (PCB's).

**SECTION 3 - HAZARDS IDENTIFICATION**

Under normal conditions of use this product is not considered hazardous according to regulatory guidelines. Product is clear, colorless liquid. Exposure to fire can generate toxic fumes.

**PRECAUTIONARY LABELING:** Label on bottom of 924-12CT bottles. Never leave burning cartridge unattended. Keep from children etc...

**EYE CONTACT:** Eye irritant upon direct contact.

**SKIN CONTACT:** May cause skin irritation or dermatitis upon prolonged contact.

**INGESTION:** Low viscosity material – if swallowed may enter the lungs and cause lung damage.

**INHALATION:** May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other CNS effects, including death.

**SECTION 4 - FIRST AID MEASURES**

**EYE CONTACT:** If splashed into the eyes. Remove contact lenses, then flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call for medical attention.

**SKIN CONTACT:** In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high-pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

**INHALATION:** If overcome by vapor, respiratory irritation, dizziness, nausea, or unconsciousness occurs remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen, if available.

**INGESTION:** **DO NOT INDUCE VOMITING;** call a physician immediately.

**NOTE TO PHYSICIANS:** If material is aspirated into the lungs it may cause chemical pneumonitis. Pre-existing medical conditions, which may be aggravated by exposure Petroleum Solvents / Petroleum Hydrocarbons - Skin contact may aggravate an existing dermatitis.

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## SECTION 5 - FIRE FIGHTING MEASURES

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COMBUSTION PRODUCTS: Carbon monoxide, Carbon dioxide, water.

FLASH POINT: (Minimum) 116°C (240°F) ASTM D 93, Pinsky Martens Closed Cup

FLAMMABLE LIMITS OR EXPLOSIVE LIMITS: (approx. % vol. in air) – LEL: 1.3%, UEL: 8.7%

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)-HAZARD IDENTIFICATION

Health	Flammability	Reactivity	BASIS:
1	1	0	Recommended by Manufacturer

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES: Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products.

SPECIAL PROTECTIVE EQUIPMENT: For fires in confined spaces or enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Exposure to fire can generate toxic fumes.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: Fumes, smoke, carbon monoxide, aldehydes and other decomposition products, in the case of incomplete combustion.

WORK PRACTICES / ENGINEERING CONTROLS: To prevent fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system in accordance with (THE) National Fire Protection Association PUBLICATIONS.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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NOTIFICATION PROCEDURES: Report Spills or releases to appropriate authorities. Spills or releases that could reach any waterway including intermittent dry creeks require immediate reporting to the U.S. Coast Guard and EPA.

RELEASE OR SPILL OF MATERIAL: Spill: Remove all sources of ignition. Contain spill with suitable absorbent material.

DISPOSAL: See section 13 for disposal method. Material should be prevented from entering sewers, low-lying areas or other water sources. Advise appropriate authorities if it has spilled or it contaminates soil or vegetation.

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## SECTION 7 - HANDLING AND STORAGE

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HANDLING PRECAUTIONS: This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode. Keep product away from ignition sources, such as heat, sparks, pilot lights, static electricity, and open flames. Keep product away from strong oxidants. Use product in a well ventilated area.

STORAGE: Store in cool dry place above 46°F (7.8°C) to keep from freezing. If product freezes warm to >46°F before usage. Recommended storage temperature range is 46°F (7.8°C) to 100°F (38°C). Ideal storage temperature is 77°F (25°C). Store away from direct sunlight.

SPECIAL PRECAUTIONS: Do not use electronic devices (including but not limited to cellular phones, computers, calculators, pagers, etc.) in or around any fueling operation or storage area unless the devices are certified "EMPTY" CONTAINER WARNING: "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean containers since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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EXPOSURE LIMIT FOR TOTAL PRODUCT: an 8-hour time-weighted average (TWA) of 1200 mg/m<sup>3</sup> BASIS: Recommended by Manufacturer

VENTILATION: Use with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking, or use of flame or other ignition sources.

RESPIRATORY PROTECTION: Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

SKIN PROTECTION: Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION: Use Chemical type splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT: Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

PERSONAL HYGIENE: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before re-use. Remove contaminated shoes and thoroughly clean and dry before re-use. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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The following data are approximate or typical values and should not be used for precise design purposes.

APPEARANCE: Liquid VAPOR PRESSURE: mmHg @ 20°C < 0.1  
COLOR: Clear, Colorless BOILING RANGE: 249°C (480°F)  
ODOR: Mild Hydrocarbon SPECIFIC GRAVITY(15.6°C /15.6°C): 0.773 (6.44 lb/gal)  
VAPOR DENSITY (Air = 1): 7.3 EVAPORATION RATE: (1=n-butyl acetate) : < 0.1  
RELATIVE DENSITY: 15/4 C: 0.77 MOLECULAR WEIGHT: 212  
POUR POINT C(F): -9(16) FREEZING POINT: 45°F (7.2°C) VS. Congealing Point  
pH: Essentially neutral SOLUBILITY IN WATER @ 1 atm. and 25°C (77°F): Negligible; 0.0001%  
VISCOSITY: 2.53 cSt @ 25°C (77°F) ASTM D 445  
PERCENT VOLATILE BY VOLUME: Less than 25% in 1,920 minutes @ 1 atm. and 25°C (77°F)

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## SECTION 10 - STABILITY AND REACTIVITY

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STABILITY: Stable.

CONDITIONS TO AVOID: Extreme heat and high-energy sources of ignition.

INCOMPATIBILITY: Strong oxidizers. (liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard)

HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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### ACUTE TOXICOLOGY

ORAL TOXICITY: Not established

DERMAL TOXICITY: Not established

INHALATION TOXICITY: Not established

EYE IRRITATION: Not established

SKIN IRRITATION: Not established

CHRONIC TOXICOLOGY: Prolonged repeated skin contact may cause skin irritation and/or dermatitis.

NATURE OF HAZARD AND TOXICITY INFORMATION: Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA Section 313)

No toxic chemical is present greater than 1% or 0.1% (carcinogen).

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## SECTION 12 - ECOLOGICAL INFORMATION

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ENVIRONMENTAL EFFECTS: Not established.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL: Product is suitable for burning for fuel value in compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D). It does not exhibit the hazardous characteristics of ignitability, Corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

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## SECTION 14 - TRANSPORTATION AND OSHA RELATED LABEL INFORMATION

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U.S. DOT: NOT REGULATED BY USA DOT; DOT ERG No.: NA

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

STATIC ACCUMULATOR (50 picosiemens or less): Yes

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## SECTION 15 - REGULATORY INFORMATION

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CLEAN WATER ACT / OIL POLLUTION ACT: This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills into or leading to surface waters that cause a sheen must be reported to the National Response Center (1-800-424-8802).

The following information may be useful in complying with various state and federal laws and regulations under various environmental statutes:

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

All components comply with TSCA.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES". THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355 (SARA Sections 301-304): No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen).

HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA Sections 311-312) EPA Hazard Classification Code: Not applicable.

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

SYMBOL: Not classified

NOTE: Product label may contain non-OSHA related information also.

PRODUCT LABELING INFORMATION:

SYMBOL: Xn

RISK PHRASES: Harmful: May cause lung damage if swallowed.

SAFETY PHRASES: Keep out of the reach of children. Do not breathe vapors. Avoid contact with skin. If swallowed, do not induce vomiting; seek medical advice immediately and show this label.

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## SECTION 16 - OTHER INFORMATION

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Risk Phrases in Section 2: R65: Harmful: may cause lung damage if swallowed.

Information on electrical equipment appropriate for use with this product may be found in the latest edition of the National Electrical Code (NFPA-70). This document is available from the National Fire Protection Association, Batterymarch Park, Quincy, and Massachusetts 02269.

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.

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:

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