



MATERIAL SAFETY DATA SHEET

MSDS # 18 820AB, 820C

REVISED DATE: 06-14-2007

PRODUCT NAME: Ambria Crystalyte® Liquid Wax Cartridge

SECTION 1 - IDENTIFICATION AND EMERGENCY INFORMATION

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS): ACUTE HEALTH FIRE REACTIVITY

BASIS: Recommended by Manufacturer 1 1 0

PRODUCT NAME: Ambria Crystalyte® Liquid Wax Cartridge

UPC/SKU #: 820AB, 820C, 820D, 820FSA, 820M, 820S

PRODUCT DESCRIPTION: Disposable Liquid Wax Cartridge; Burn Times: 20 hr.

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

CAS NUMBER: Mixture

GENERAL USE: Used in lamps, is a smokeless, clean burning disposable liquid wax cartridge.

The STERNO GROUP LLC

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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 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE
Alkanes, C14-16	90622-46-1	70%
White Mineral Oil	8042-47-5	30%

SECTION 3 - HAZARDS IDENTIFICATION

Not expected to present a hazard under anticipated conditions of use.

PRECAUTIONARY LABELING: 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. Normal care and personal hygiene should prevent skin effects.

INGESTION: May cause significant gastrointestinal distress. Aspiration of this material directly into the lungs or vomiting after ingestion that results in this material getting into the lungs may cause severe lung damage and possibly death.

INHALATION: Not a likely route of exposure.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Remove contact lenses, then flush with clear water for 15 minutes or until irritation subsides. If pain or redness persists after flushing, seek medical attention immediately.

SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Launder or dry clean clothing before reuse. If skin irritation persists seek medical attention immediately.

INHALATION: Remove to fresh air. If breathing is irregular or has stopped, administer artificial respiration, seek medical attention immediately.

INGESTION: **DO NOT INDUCE VOMITING;** seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 121°C (250°F)

AUTOIGNITION: 216°C (420°F)

FLAMMABLE LIMITS OR EXPLOSIVE LIMITS: (approx. % vol. in air) – LEL: 0.5%, UEL: 7.0%

FIRE AND EXPLOSION HAZARDS: Slightly combustible. OSHA/NFPA class-IIIB combustible liquid. When heated above its flash point, this material will release flammable vapors, which can burn in the open or be explosive in confined spaces if exposed to an ignition source. Mists or sprays may be flammable at temperatures below the normal flash point. Keep away from extreme heat and open flame.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)-HAZARD IDENTIFICATION

Health Flammability Reactivity BASIS:
1 1 0 Recommended by Manufacturer

EXTINGUISHING MEDIA: Foam, water spray (fog), dry chemical, CO2.

FIRE FIGHTING INSTRUCTIONS: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include Self-contained breathing apparatus (SCBA) to protect against the hazardous effects of combustion products and oxygen deficiencies. If fire, firefighters cannot work upwind to the fire, respiratory protective equipment must be worn. Cool tanks and containers exposed to fire with water. Burning liquid will float on water. Notify appropriate authorities if liquid enters sewer/waterways.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

RELEASE OR SPILL OF MATERIAL: Evacuate the area and eliminate all sources of ignition. Contain spill with suitable absorbent material.

SECTION 7 - HANDLING AND STORAGE

HANDLING PRECAUTIONS: Keep product away from ignition sources, such as heat, sparks, pilot lights, static electricity, and open flames.

STORAGE: Ambient, above freezing point. Product will freeze at 8°C.

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.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT FOR TOTAL PRODUCT: Manufacturer recommends an 8-hour time-weighted average (TWA) of 5 mg/m³ for exposure to mists of this product.

BASIS: Recommended by Manufacturer.

SKIN PROTECTION: Normal conditions skin protection is not needed.

EYE PROTECTION: Normal conditions eye protection is not needed.

PERSONAL HYGIENE: 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. Wash skin thoroughly with soap and water after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by using waterless hand cleaners followed by washing thoroughly with soap and water.

EXPOSURE GUIDELINES: No exposure limits have been established for this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid

COLOR: Water-white, oily

ODOR: Mild Hydrocarbon

VAPOR DENSITY (Air = 1): 7 - 8

SOLUBILITY IN WATER: Negligible

MELTING POINT/RANGE: 8 - 10°C 48 - 50°F

VAPOR PRESSURE: 0.05 mmHg @ 20°C

BOILING RANGE: 254 - 283°C 490 - 542°F

SPECIFIC GRAVITY: 0.796 g/ml 60°F

FREEZING POINT: 46°F (8°C)

VISCOSITY: 2.5 - 2.7 cSt @ 40°C 104°F

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Keep away from heat and sources of ignition.

INCOMPATIBILITY: Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous gases and vapors produced in fire are oxides of carbon.

HAZARDOUS POLYMERIZATION: Stable.

SECTION 11 - TOXICOLOGICAL INFORMATION

No information on product is available at this time.

SECTION 12 - ECOLOGICAL INFORMATION

No information on product is available at this time.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE CODE: Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.

DISPOSAL: To dispose of properly place empty bottle in a standard trash receptacle.

Note: The purchaser is responsible for proper waste disposal of empty, partial, or full bottles. Any disposal practice must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

SECTION 14 - TRANSPORTATION AND OSHA RELATED LABEL INFORMATION

U.S. DOT: NOT REGULATED BY USA DOT; DOT ERG No.: NA (This product is not hazardous according to DOT regulations for ground transportation.
IATA: This product is not a dangerous good as defined by IATA for air transportation.
IMDG: This product is not a dangerous good as defined by IMO in the IMDG Code for water transportation.

SECTION 15 - REGULATORY INFORMATION

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 no to be hazardous.

TSCA Inventory Listing:

<u>Components</u>	<u>CAS-No.</u>
Alkanes, C14-16	90622-46-1
White Mineral Oil	8042-47-5

SARA 302 Status:

<u>Components</u>	<u>CAS-No.</u>	<u>Weight %</u>
Contains no chemicals subject to SARA 302 reporting.		

SARA 311/312 Classification:

<u>Components</u>	<u>CAS-No.</u>	<u>Weight %</u>
Non-hazardous		

SARA 313 Chemical:

<u>Components</u>	<u>CAS-No.</u>	<u>Weight %</u>
Contains no chemicals subject to SARA 313 reporting.		

CERCLA Hazardous Substance:

<u>Components</u>	<u>CERCLA RQ</u>	<u>Weight %</u>
Contains no chemicals subject to CERCLA.		

PRODUCT LABELING INFORMATION: Remove plastic cap from liquid wax cartridge. Place cartridge in lamp. Light cartridge by applying lit match or butane lighter to wick at top of Ambria Crystalyte® liquid wax cartridge. Warning: Do not tamper with wick. Tampering may cause a fire hazard. This cartridge is not to be refilled. Extinguish by blowing out flame.

SAFETY PHRASES: Keep out of the reach of children.

SECTION 16 - OTHER INFORMATION

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 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:

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

ORIGINAL DATE: MAY 10, 2005

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

REVISION DATE: JUNE 14, 2007, SUPERSEDES: MAY 11, 2005

LAST PAGE OF MSDS 18 820AB, 820C