



Division of Candle Corporation of America

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

MSDS # 08 834, 837, 840, 841, 885-WHT, 924-12CT

REVISED DATE: 05-11-2005

PRODUCT NAME: Crystalyte<sup>®</sup>Liquid Wax, Tuxedo-Dispos-A-Lamp<sup>™</sup>

## SECTION 1 - IDENTIFICATION AND EMERGENCY INFORMATION

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

**BASIS:** Recommended by Manufacturer 1 1 0

**PRODUCT NAME:** Crystalyte<sup>®</sup>Liquid Wax, Tuxedo-Dispos-A-Lamp<sup>™</sup>

**UPC/SKU #:** 834, 834AB, 834D, 834FSA, 834S, 837, 837AB, 837FSA, 837RD, 837S, 840, 840C, 840D, 840FSA, 840RD, 840S, 885-WHT, 924-12CT

Discontinued: 836, 836AL, 836RD, 836S, 840AB, 840AL, 870D, 924-12AUS, 975-L as of March 29, 2004

**PRODUCT DESCRIPTION:** Disposable Liquid Wax Cartridge; Burn Times: 18 hr., 30 hr., 36 hr., 45 hr., 110 hr.

**PRODUCT CATEGORY:** Solvent

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

**CAS NUMBER:** 90622-46-1

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

The STERNO GROUP

Division of Candle Corporation of America

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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	100%

## SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**APPEARANCE:** Water-white, oily liquid.

**ODOR:** Mild hydrocarbon.

**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. Normal care and personal hygiene should prevent skin effects.

**INHALATION:** Exposure to high concentration of vapors may result in headache and stupor.

**INGESTION:** Lung exposure to this product either by prolonged breathing of a mist or vomiting following ingestion, can lead to serious lung injury and possibly death.

## SECTION 4 - FIRST AID MEASURES

**EYE CONTACT:** If splashed into the eyes. Remove contact lenses, then flush with plenty of 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 plenty of water for at least 15 minutes. Launder or dry clean clothing before reuse. If skin irritation persists, call for medical attention.

**INHALATION:** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Immediately call for medical attention.

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

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## SECTION 5 - FIRE FIGHTING MEASURES

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FLASH POINT: 121°C (250°F)

AUTOIGNITION: 216°C (420°F)

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

FIRE AND EXPLOSION: NFPA Class IIIB combustible liquid.

EXTINGUISHING MEDIA: Foam, water spray or fog, dry chemical, CO<sub>2</sub>.

FIRE FIGHTING INSTRUCTIONS: Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

FURTHER INFORMATION: Keep containers and surroundings cool with water spray.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

DISPOSAL: See section 13 for disposal method.

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## SECTION 7 - HANDLING AND STORAGE

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HANDLING PRECAUTIONS: Ensure all equipment is electrically grounded before beginning transfer operations.

STORAGE / TRANSPORT: Ambient, Store in cool dry place above freezing point. (Product will freeze at 8°C)

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING MEASURES: Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION: When contact with liquid is possible, use a face shield and/or chemical splash goggles. Otherwise use safety glasses with side shields or goggles.

SKIN PROTECTION: Wear suitable protective clothing, gloves and eye/face protection.

INHALATION: NIOSH-approved organic vapor air-purifying respirator, self-contained breathing apparatus, or air-supplied respirators where there may be potential for overexposure.

EXPOSURE GUIDELINES: No exposure limits have been established for this product. Manufacture recommends an internal limit of 5 mg/m<sup>3</sup> (8-hour TWA) for exposure to mists of this product.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Liquid

ODOR: Mild hydrocarbon

BOILING RANGE: 245 - 283°C (490 - 542°F)

VAPOR DENSITY (Air = 1): 7 - 8

DENSITY: 6.45 @ 16°C (60°F)

MELTING POINT: 8 - 10°C 48 - 50°F)

SOLUBILITY IN WATER: Negligible

Color: Water-white, oily

VAPOR PRESSURE: 0.05 mm Hg @ 20°C

SPECIFIC GRAVITY: 0.773 (6.44 lb/gal) @ 16°C (60°F) ASTM D 287

EVAPORATION RATE: (1=n-butyl acetate) : < 0.1

MOLECULAR WEIGHT: 205

VISCOSITY: 2.5 – 2.7 cSt @ 40°C (104°F) ASTM D 445

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## SECTION 10 - STABILITY AND REACTIVITY

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STABILITY: Stable.

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

INCOMPATIBILITY: Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures. Hazardous gases and vapors produced in fire are oxides of carbon.

HAZARDOUS POLYMERIZATION: Stable.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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EYE IRRITATION: Primary irritation index – 1 hours (rabbit): 5.7 (Maximum score is 110.) (unwashed eyes)

Primary irritation index – 1 hours (rabbit): 6 (Maximum score is 110.) (washed eyes)

SKIN IRRITATION: Primary irritation index (rabbit): 4.4 (Maximum score is 8.0.) Acute dermal LD50 (rabbit): >2,000 mg/kg

INHALATION TOXICITY: Acute 4 hours LC50 (rat): >5.8 mg/l

INGESTION: Acute oral LD50 (rat): >5,000 mg/kg

CARCINOGENICITY: This product contains no carcinogenic substances.

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## SECTION 12 - ECOLOGICAL INFORMATION

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ENVIRONMENTAL EFFECTS: Not available.

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### SECTION 13 - DISPOSAL CONSIDERATIONS

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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: Dispose of only in accordance with local, state, and federal regulations.

EMPTY CONTAINERS: Empty containers retain product 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. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of in accordance with local, state, and federal regulations.

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### SECTION 14 - TRANSPORTATION AND OSHA RELATED LABEL INFORMATION

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U.S. DOT: 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.

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### SECTION 15 - REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS:

OSHA Classification:  
Non-hazardous

TSCA Inventory Listing:

<u>Components</u>	<u>CAS-No.</u>
Alkanes, C14-16	90622-46-1

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:  
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>CAS-No.</u>	<u>Weight %</u>
Contains no chemicals subject to CERCLA.			

PRODUCT CLASSIFICATION AND LABELING (Directive 67/548/EEC):

SYMBOL: Xn Harmful

RISK PHRASES: R65 Harmful: May cause lung damage if swallowed.  
R65 Repeated exposure may cause skin dryness or cracking.

SAFETY PHRASES: Keep out of the reach of children.  
S23 Do not breath fumes/vapor/spray.  
S24 Avoid contact with skin.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this label.

GERMANY – Water Hazard Class (WGK): 1

INTERNATIONAL REGULATIONS:

Workplace Hazardous Materials Information System (WHMIS) Classification: This material is not a controlled product as defined by Canada's Workplace Hazardous Materials Information System (WHMIS).

Australian Inventory of Chemical Substances (AICS) Listing: The components of this product are listed on the AICS.

Japanese Minister of International Trade and Industry (MITI) Inventory Listing: The components of this product are listed on the MITI.

Canadian Domestic Substance List (DSL) Inventory Listing: The components of this product are listed on the DSL.

European Inventory of Existing Commercial Chemical Substances (EINECS) Listing: The components of this product are listed on the EINECS listing.

Philippines Inventory List (PICCS): The components of this product are not listed on the PICCS.

Korean Inventory List (ECL): The components of this product are listed on the ECL.

China Inventory List: The components of this product are not listed on the China inventory.

STATE REGULATIONS:

California Safe Drinking Water Act (PROP 65) Listing

Components

CAS-No.

Contains no chemical subject to California Prop 65.

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**SECTION 16 - OTHER INFORMATION**

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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 Candle Corporation of America to be correct based on its knowledge and information as of the date noted. Candle Corporation of America 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 Candle Corporation of America 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 Candle Corporation of America's interpretation of the available data.

FOR OTHER PRODUCT INFORMATION CONTACT:

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