

**MATERIAL SAFETY DATA SHEET**

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Arizona Chemical Company
P.O. Box 550850
Jacksonville, FL 32255

24 Hour Emergency Assistance:
Chemtrec: 800/424-9300
Other Information: 800/733-1374

Product Name: CENWAX™ ME

Chemical Identity: Methyl 12-Hydroxystearate; Octadecanoic Acid, 12-Hydroxy-, Methyl Ester.

Chemical Family: Fatty Esters

CAS Number: 141-23-1

SECTION 2 COMPOSITION/INFORMATION OF INGREDIENTS

	ACGIH TLV	OSHA PEL
Exposure limit for total product	Not established	Not established

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Off white waxy flakes with a mild fatty acid odor.

1. CAUTION! MAY CAUSE EYE IRRITATION.

POTENTIAL HEALTH EFFECTS:

EYE: Direct contact may cause eye irritation.

SKIN: Prolonged or repeated contact may cause mild irritation.

INHALATION: Based on experience, no effects are expected. As good industrial hygiene practice, avoid breathing vapor from the heated product.

INGESTION: Not a probable route of entry into the body.

SUBCHRONIC EFFECTS (Target Organ Effects): No effects known.

CHRONIC EFFECTS: No known effects.

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SECTION 4 FIRST AID MEASURES
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EYE CONTACT: In case of contact, immediately flush eyes with plenty of water. Call a physician if signs of irritation persist.

SKIN CONTACT: As good industrial hygiene practice, at the end of each work shift, wash skin with plenty of soap and water.

INHALATION: Remove to fresh air if effects occur from inhalation of vapors from the heated product.

INGESTION: Emergency care should not be needed.

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SECTION 5 FIRE FIGHTING MEASURES
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Flash point: 420°F (215.56°C) (Cleveland Open Cup)
Upper/lower flammable limits: Unknown
Autoignition temperature: Unknown
Flammability classification: Non-hazardous
Flame propagation rate: Not applicable
Extinguishing media: Water fog, foam, carbon dioxide or dry chemical.
Special precautions: Toxic gases such as carbon monoxide may be released during fire. Use positive-pressure, self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion

Hazards: None known to Arizona Chemical Company.

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SECTION 6 ACCIDENTAL RELEASE MEASURES
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In a clean area, recover for reuse. Dispose of contaminated material.

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SECTION 7 HANDLING AND STORAGE
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Use adequate ventilation. Avoid contact with skin and eyes. Wash thoroughly after handling.

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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION
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EYES: Use safety glasses. An eye wash is recommended.

SKIN: As good industrial hygiene practice, impervious (for example, nitrile) gloves are recommended.

INHALATION: For normal operations, no respiratory protection is required. An air purifying respirator designed for organic vapors should provide adequate protection when handling the heated product.

ENGINEERING CONTROLS: For the product at ambient temperatures, use adequate ventilation. For the heated product, use exhaust ventilation to remove vapor.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
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Appearance/state: Off white waxy flakes
Odor: Mild fatty acid
Ph: Not applicable
Vapor Pressure: <0.001 mm Hg at 20°C (68°F)
Vapor density: Not applicable
Boiling point: Not applicable
Melting point: 50°C
Solubility in water: <0.1% at 25°C (77°F)
Specific gravity: 0.88 at 71°C/16°C (water=1.00)
Evaporation rate: Approx. 0 (n-BuAc=1)
% Volatile by weight: 0

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SECTION 10 STABILITY AND REACTIVITY
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Chemical stability: Stable
Conditions to avoid: This product is not reactive with water.
Chemicals to avoid: None known.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Thermal decomposition products can include toxic oxides of carbon.

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SECTION 11 TOXICOLOGICAL INFORMATION
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The total product is not on the International Agency for Research on Cancer (IARC) or National Toxicology Program (NTP) or OSHA lists of carcinogens or potential carcinogens.

TOXICITY DATA: The following data on test animals indicate this product has low acute toxicity potential and is not a skin irritant by OSHA criteria.

ROUTE-SPECIES	TEST	DOSAGE	UNITS	IRRITATION DATA
Oral-rat	LD50	>5	g/kg	Skin-rabbit Non-irritant Eye-rabbit Conjunctival irritant

OTHER: Subcutaneous injection of mice with methyl 12-hydroxystearate induced tumors, but only at the injection site. However, this is not applicable to workplace routes of exposure.

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SECTION 12 ECOLOGICAL INFORMATION
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There is no data available.

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SECTION 13 DISPOSAL CONSIDERATIONS
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Dispose of waste by landfill or incineration in accordance with all local, state and federal regulations.

Resource Conservation and Recovery Act (RCRA): This product is not included in the lists of hazardous substances (40 CFR 261.33), nor does it exhibit the characteristics of hazardous waste (40 CFR 261.20-24).

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SECTION 14 TRANSPORT INFORMATION
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DOT - Department of Transportation Hazardous Materials Regulations

DOT Hazard Class: Not applicable
 DOT Proper Shipping Name: Not applicable
 Technical Name: Not applicable
 DOT Identification Number: Not applicable
 Surface Freight Classification: Hydrogenated Castor Oil

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SECTION 15 REGULATORY INFORMATION
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Toxic Substances Control Act (TSCA): This product is in the TSCA Inventory under CAS Number 141-23-1.

SARA, Title III, Section 313 (40 CFR 372): This product contains the following substances at a level which is reportable under SARA Toxic Chemical Release Reporting Regulations:

Chemical Name	CAS #	Wt%
None		

SARA 311/312 Hazard Categories: This product has the following hazard categories: Immediate (Acute) Health.

New Jersey Worker and Community Right To Know Act: This product contains the following top five ingredients:

Chemical Name	CAS or NJTS #	Wt%
Octadecanoic acid, 12-hydroxy-, methyl ester.	141-23-1	100

Pennsylvania Worker and Community Right To Know Act: This product contains the following substances which appear on the Hazardous Substance List at a level which requires notification under the Act:

Chemical Name	CAS #	Wt%
None		

WHMIS (Canada) Status: This is a controlled product under WHMIS: Class D, Division 2, Subdivision B.

4/25/2011

International Inventory Status: This product is either listed or exempt from listing on the following inventories: Canada DSL, Europe EINECS, Japan ENCS, Korea ECL, Australia AICS, China IECS, and Philippines PICCS.

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SECTION 16 OTHER INFORMATION
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Hazard Ratings: NFPA 2 Health 1 Fire 0 Reactivity

Revision Note: Revision 11. Revised format.

Prepared by: L.M. Krzywanska

Title: Product Regulatory Technologist

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END MSDS