



**Cosmetic
Supplies
USA, Inc.**

Material Safety Data Sheet

8810 Commodity Cir #20
Orlando, FL 32819-9066
877-926-7872phone • 877-926-8742 fax

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CETYL PALMITATE

Revision Date: October 18, 2002

EMERGENCY OVERVIEW - Although this material is an irritant, it is expected to be non-toxic and non-hazardous under conditions of normal occupational exposure.

SECTION 1 - IDENTIFICATION

Common Name: Cetyl Palmitate **Formula:** C32H64O2
Synonym: n/f
Chemical Name: Hexadecanoic acid hexadecyl ester
CAS Number: 540-10-3
Chemical Family: Fatty acid ester
Therapeutic Category: Stiffening agent

SECTION 2 - INGREDIENT INFORMATION

<u>Principle Components</u>	<u>Percent</u>	<u>Exposure Limits</u>
Cetyl Palmitate	Pure Material	n/f

SECTION 3 - HEALTH HAZARD INFORMATION

Usual Adult Dose: Cetyl palmitate is used as a base material in stick cosmetics and an emollient thickener in creams and lotions.
Adverse Effects: Possible allergic reaction to material if inhaled, ingested or in contact with skin.
Overdose Effects: n/f
Acute: Possible eye, skin, gastrointestinal and/or respiratory tract irritation.
Chronic: Possible hypersensitization.

CETYL PALMITATE

Catalog Number: 10310

Package Size: 50 mg

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Inhalation: May cause irritation. Avoid inhalation. Remove to fresh air.

Eye: May cause irritation. Avoid contact. Flush with copious quantities of water.

Skin: Causes irritations. Avoid contact. Flush with copious quantities of soap and water.

Ingestion: May cause irritation. Avoid ingestion. Flush out mouth with water.

Medical Conditions Aggravated by Exposure: Hypersensitivity to material.

Cross Sensitivity: n/f

Pregnancy Comments: n/f

Pregnancy Category: n/f

SECTION 4 - FIRST AID MEASURES

General: Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

Overdose Treatment: n/f

SECTION 5 - TOXICOLOGICAL INFORMATION

Oral Rat: LD50: n/f

Oral Mouse: LD50: n/f

Irritancy Data: [RTECS] - Rabbit/skin: mild

Target Organ(s): n/f

Listed as a Carcinogen? **NTP:** No **IARC:** No **OSHA:** No

Other: No

SECTION 6 - FIREFIGHTING MEASURES

Flash Point: 450° F (COC)

Upper Flammable Limit: n/f

Auto-Ignition Temperature: n/f

Lower Flammable Limit: n/f

Extinguisher Media: Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

Fire and Explosion Hazards: This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

Firefighting Procedures: As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

SECTION 7 - PHYSICAL HAZARDS

Conditions to Avoid: Avoid exposure to light and heat.

Incompatibilities: Oxidizing agents.

Decomposition Products: When heated to decomposition material emits toxic fumes. Emits toxic fumes under fire conditions.

Stable? Yes **Hazardous Polymerization?** No

SECTION 8 - HANDLING / SPILL / DISPOSAL MEASURES

- Handling:** As a general rule, when handling USP Reference Standards avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.
- Storage:** Store in tight, light-resistant container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity. Store at room temperature not to exceed 30° C.
- Spill Response:** Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labelled container for disposal. Wash spill site.
- Disposal:** Dispose of waste in accordance with all applicable Federal, State and local laws.

SECTION 9 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory Protection:** When working with small quantities in a well-ventilated area, respiratory protection may not be required. The use of an approved dust mask is recommended.
- Ventilation:** No special ventilation requirements.
- Gloves:** Rubber
- Eye Protection:** Safety Glasses
- Protective Clothing:** Protect exposed skin.

SECTION 10 - PHYSICAL AND CHEMICAL PROPERTIES

NOTE: The data reported below is general information, and is not specific to the USP Reference Standard Lot provided!

- Appearance and Odor:** White crystals or flakes; slight fatty alcohol odor.
- Melting Point:** 45 - 55° C
- Solubility in Water:** Practically insoluble
- Boiling Point:** n/f
- Specific Gravity:** 0.989
- Vapor Pressure:** n/f
- Vapor Density:** n/f
- Evaporation Rate:** n/f
- Reactivity in Water:** n/f
- % Volatile by Volume:** n/f