



**Cosmetic
Supplies
USA, Inc.**

Material Safety Data Sheet

8810 Commodity Cir #20

Orlando, FL 32819-9066

877-926-7872 phone • 877-926-8742 fax

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CETYL ALCOHOL

Catalog Number: 1103003

Revision Date:

March 4, 2005

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Common Name: Cetyl Alcohol

Manufacturer: U. S. Pharmacopeia

Responsible Party: Reference Standards Technical Services

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Product Use: USP Reference Standards and Authentic Substances are used for chemical tests and assays in analytical, clinical, pharmaceutical, and research laboratories.

SECTION 2 - HAZARD INFORMATION

EMERGENCY OVERVIEW - Irritant.

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.

Medical Conditions Aggravated by Exposure: Hypersensitivity to material.

Cross Sensitivity: n/f

Target Organs: n/f

For additional information on toxicity, see Section 11.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Common Name: Cetyl Alcohol

Formula: C₁₆H₃₄O

Synonym: Palmityl alcohol; 1-hexadecyl alcohol

Chemical Name: 1-Hexadecanol

CAS: 36653-82-4; 124-29-8

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RTECS Number: MM0225000

Chemical Family: Linear aliphatic derivatives

Therapeutic Category: Pharmaceutic aid (emulsifying and stiffening agent)

Composition: Pure Material

SECTION 4 - FIRST AID MEASURES

Inhalation: May cause irritation. Remove to fresh air.

Eye: Causes irritation. Avoid contact. Flush with copious quantities of water for 15 minutes.

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

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

General First Aid Procedures: 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.

Note to Physicians

Overdose Treatment: For current information about the treatment of overdose, consult a certified Regional Poison Control Center by calling the number listed in your local telephone directory.

SECTION 5 - FIREFIGHTING MEASURES

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

Fire and Explosion Hazards: This material is 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 6 - ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 - HANDLING AND STORAGE

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 container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls: Engineering controls such as exhaust ventilation are recommended.

Respiratory Protection: Use a NIOSH approved respirator, if it is determined to be necessary by an industrial hygiene survey involving air monitoring. In the event that a respirator is not required, an approved dust mask should be used.

Gloves: Chemically compatible

Eye Protection: Safety glasses or goggles

Protective Clothing: Protect exposed skin.

Exposure Limits: n/f

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Properties as indicated on the MSDS are general and not necessarily specific to the USP Reference Standard Lot provided.

Appearance and Odor: White, waxy flakes or granules; faint characteristic odor.

Odor Threshold: n/f

pH: n/f

Melting Range: 45 - 50° C

Boiling Point: 334° C

Flash Point: 113° C (C.C.)

Autoignition Temperature: 251° C

Evaporation Rate: n/f

Upper Flammability Limit: 8%

Lower Flammability Limit: 1%

Vapor Pressure: 3.06 E-06 mm Hg

Vapor Density: 8.360

Specific Gravity: 0.811

Solubility in Water: Practically insoluble

Fat Solubility: n/f

Other Solubility: Soluble in alcohol, in chloroform, and in ether.

Partition Coefficient: n-octanol/water: 6.65

Percent Volatile: n/f

Reactivity in Water: n/f

Explosive Properties: n/f

Oxidizing Properties: n/f

Formula: C₁₆H₃₄O

Molecular Weight: 242.44

SECTION 10 - STABILITY AND REACTIVITY**Conditions to Avoid:** n/f**Incompatibilities:** Strong oxidizing agents, strong acids.**Decomposition Products:** When heated to decomposition material emits acrid smoke and fumes. Emits toxic fumes under fire conditions.**Stable?** Yes **Hazardous Polymerization?** No**SECTION 11 - TOXICOLOGICAL PROPERTIES****Oral Rat:** LD50: 5000 mg/kg**Oral Mouse:** LD50: 3200 mg/kg**Other Toxicity Data:** Skin Rabbit: LD50: >2600 mg/kg**Irritancy Data:** [RTECS] - Human/Skin: mild; Rabbit/Skin: mild, severe; Rat/Skin: severe; Guinea pig/Skin: moderate, mild; Rabbit/Eye: mild**Corrosivity:** n/f**Sensitization Data:** n/f**Listed as a Carcinogen by:** **NTP:** No **IARC:** No **OSHA:** No**Other Carcinogenicity Data:** No**Mutagenicity Data:** Negative in Ames test with and without metabolic activation.**Reproductive and Developmental Effects:** n/f**SECTION 12 - ECOLOGICAL INFORMATION****Ecological Information:** n/f**SECTION 13 - DISPOSAL CONSIDERATIONS****Disposal:** Dispose of waste in accordance with all applicable Federal, State and local laws.**SECTION 14 - TRANSPORT INFORMATION****Shipping Name:** n/f**Class:** n/f**UN Number:** n/f**Packing Group:** n/f**Additional Transport Information:** n/f**SECTION 15 - REGULATORY INFORMATION****U.S. Regulatory Information:** n/f**International Regulatory Information:** EINECS # 253-149-0
Hazard codes: Xi
Risk phrases: R36/37/38
Safety phrases: S22, S24/25
Canada: WHMIS Classification D2B**SECTION 16 - OTHER INFORMATION**

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