



**Cosmetic
Supplies
USA, Inc.**

Material Safety Data Sheet

8810 Commodity Cir #20

Orlando, FL 32819-9066

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STEARYL ALCOHOL

Catalog Number: 1622000

Revision Date:

February 24, 2005

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Common Name: Stearyl Alcohol

Manufacturer: U. S. Pharmacopeia

Responsible Party: Cosmetic Supplies USA, Inc.

Mailing Address: **8810 Commodity Cir. #20, Orlando, FL 32819-9066**

Phone: **877-926-7872**

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: 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: Stearyl Alcohol

Formula: C18H38O

Synonym: Stenol; Octa-decyl alcohol

Chemical Name: 1-Octadecanol

CAS: 112-92-5

RTECS Number: RG2010000**Chemical Family:** Linear aliphatic derivative**Therapeutic Category:** Pharmaceutic aid (emulsion adjunct)**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 at least 15 minutes.**Skin:** Causes irritation. Avoid contact. Wash with copious quantities of soap and water.**Ingestion:** May cause irritation and mild bland taste. 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 flammable when exposed to heat or flame. 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

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

Appearance and Odor: Unctuous white flakes or granules; faint characteristic odor.

Odor Threshold: n/f

pH: n/f

Melting Range: 59.4 - 59.8° C

Boiling Point: 330 - 360° C

Flash Point: 342° F (PMCC)

Autoignition Temperature: 450° C

Evaporation Rate: n/f

Upper Flammability Limit: 8%

Lower Flammability Limit: 1%

Vapor Pressure: 0.1 mm Hg (@ 38° C)

Vapor Density: 9.31

Specific Gravity: 0.81

Solubility in Water: Insoluble

Fat Solubility: n/f

Other Solubility: Soluble in alcohol; freely soluble in ether; miscible when melted with fatty oils, liquid paraffin, and melted wool fat.

Partition Coefficient: n-octanol/water: n/f

Percent Volatile: n/f

Reactivity in Water: n/f

Explosive Properties: n/f

Oxidizing Properties: n/f

Formula: C₁₈H₃₈O

Molecular Weight: 270.49

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SECTION 10 - STABILITY AND REACTIVITY

Conditions to Avoid: Avoid exposure to moisture.

Incompatibilities: Oxidizing agents and strong acids

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

Stable? Yes **Hazardous Polymerization?** No

SECTION 11 - TOXICOLOGICAL PROPERTIES

Oral Rat: LD50: 20 grams/kg

Oral Mouse: LD50: n/f

Other Toxicity Data: n/f

Irritancy Data: [RTECS] - Rabbit/Skin: 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: No mutagenicity was evident in tests with Salmonella typhimurium and with E. Coli, with and without activation.

Reproductive and Developmental Effects: n/f

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Information: Brachydanio rerio LC50: >10000 mg/L (96 hr; semistatic)

Daphnia magna EC50: 1666 mg/L (48 hr)

Scenedesmus subspicatus EC50: 235 mg/L (96 hr)

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 # 204-017-6

SECTION 16 - OTHER INFORMATION

Revision: 24-Feb-05

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Revision Date:

February 24, 2005

Previous Revision Date:

15-Feb-01