



**Cosmetic
Supplies
USA, Inc.**

Material Safety Data Sheet

8810 Commodity Cir #20

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UNDECYLENIC ACID

Catalog Number: 1705505

Package Size: 200 mg

Revision Date:

January 19, 2004

EMERGENCY OVERVIEW - This material is a skin irritant.

SECTION 1 - IDENTIFICATION

Common Name: Undecylenic Acid

Formula: C₁₁H₂₀O₂

Synonym: n/f

Chemical Name: 10-Undecenoic acid

CAS Number: 112-38-9

RTECS Number: YQ2975000

Chemical Family: An Alkene

Therapeutic Category: Antifungal (topical)

SECTION 2 - INGREDIENT INFORMATION

Principle Components

Percent

Exposure Limits

Undecylenic Acid

Pure Material

n/f

SECTION 3 - HEALTH HAZARD INFORMATION

Usual Adult Dose: Undecylenic acid is applied to the skin as a 10% solution twice a day.

Adverse Effects: Adverse effects from ingestion may include gastrointestinal disturbances, headache, fever, dizziness, hives, and conjunctivitis. 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.

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Inhalation: May cause irritation. Remove to fresh air.
Eye: May cause irritation. Flush with copious quantities of water.
Skin: Causes irritation. Avoid contact. Flush with copious quantities of soap and water for 15 minutes.
Ingestion: May cause irritation. Flush out mouth with water.

Medical Conditions Aggravated by Exposure: Hypersensitivity to material.

Cross Sensitivity: n/f

Pregnancy Comments: Pregnancy problems in humans have not been documented.

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: 2500 mg/kg

Oral Mouse: LD50: 8150 mg/kg

Irritancy Data: [RTECS] - Rabbit/Skin: severe

Target Organ(s): n/f

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

Other: No

SECTION 6 - FIREFIGHTING MEASURES

Flash Point: 300° 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 combustible.

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.

Incompatibilities: Bases, oxidizing agents, and reducing agents.

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

Stable? Yes **Hazardous Polymerization?** No

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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.
- 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 vapor or dust. Ventilate area and wash spill site. Place spillage in appropriately labelled container for disposal.
- 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.
- 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:** Colorless to pale-yellow liquid; characteristic odor. (Below 24.5° C, it is a white to very pale-yellow crystalline powder.)
- Melting Point:** 24 - 25° C
- Solubility in Water:** Practically insoluble
- Boiling Point:** n/f
- Specific Gravity:** 0.912
- Vapor Pressure:** n/f
- Vapor Density:** n/f
- Evaporation Rate:** n/f
- Reactivity in Water:** n/f
- % Volatile by Volume:** n/f