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ATTN:

HAREN

Item #
73085

Anticipated HMIS Label

1	Health
0	Flammability
0	Reactivity
X	Protective Equipment

Material Safety Data Sheet

Novartis Consumer Health, Inc.

Section 1 Chemical Product and Company Identification

Product Names

1. Desenex® Shake Powder

NDC No.: 0067-0956

Manufacturer's Name: Novartis Consumer Health, Inc.

Manufacturer's Address: 560 Morris Avenue, Summit, NJ 07901-1312

Additional Product Information/Questions: (800) 548-3708 (9:00 am – 5:00 pm, M – F, EST)

Date Prepared: July 15, 1999

Section 2 Composition and Information on Ingredients

Component	CAS RN	Exposure Limits
Talc	14807-96-6	Not Established ¹
Corn starch	9005-25-8	Not Established ¹
Miconazole nitrate	22832-87-7	Not Established
Waterlock A-180	65930-07-6	Not Established ¹

¹ OSHA and ACGIH have established air contaminant limits for these ingredients only by identifying them as nuisance dusts. OSHA has an established standard for particulates not otherwise regulated (nuisance dust) set at 5 mg/m³ (respirable fraction) and 15 mg/m³ (total dust). ACGIH has established an exposure value of 10 mg/m³ (total dust) for particulates not otherwise classified.

**Section 3
Hazards Identification**

*****Emergency Overview*****

Fine white powder with mild fragrance. Not expected to present an immediate concern for emergency response personnel. Not expected to present an immediate acute health, reactivity, or flammability hazard.

POTENTIAL HEALTH EFFECTS

Eye: Contact may cause mild to moderate eye irritation.

Skin/Skin Absorption: Not expected to be a skin irritant or absorbed through the skin.

Ingestion: Not expected to occur during normal industrial activities.

Inhalation: Prolonged or repeated inhalation may cause respiratory irritation or other adverse effects.

Chronic Effects/Carcinogenicity: No long-term chronic effects or carcinogenicity data are known or available on this product.

- NTP: *Not listed*
- IARC: *Not listed*
- OSHA: *Not listed*

Mutagenicity: No mutagenicity data are available on this product.

Reproductive Effects: No reproductive effects data are available on this product.

Teratogenicity (birth defects): No teratogenicity data are available on this product.

Medical Conditions Aggravated by Exposure: None known.

Incompatibility: None known.

Signs & Symptoms: None known.

See Section 11 – Toxicological Information for more information.

**Section 4
First Aid Measures**

FIRST AID PROCEDURES

Skin: Wash skin with soap and water. If irritation develops, seek medical attention.

Eyes: Flush eyes with water for several minutes. If irritation develops, seek medical attention.

Inhalation: If small amounts of the product are inhaled, no specific treatment is necessary since this product is not likely hazardous by inhalation. If exposed to excessive levels, remove to fresh air and get medical attention if cough or other symptoms develop.

Ingestion: In case of accidental overdose/over-ingestion, seek medical attention or contact a poison control center immediately.

Note to Physicians: This product is non-prescription drug intended to provide temporary relief of athlete's foot and ringworm.

**Section 5
Fire Fighting Measures**

Flash Point: N/A

Flammable Limits: N/A

Autoignition Temperature: N/A

Hazardous Combustion Products: Not known.

Extinguishing Media: Use water spray, carbon dioxide, dry chemical, or alcohol foam when fighting fires involving this material.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus pressure demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Other: This material is not flammable, however, it will burn in a fire. The dusts of this material at sufficient concentrations can form explosive mixtures with air creating an explosion hazard.

**Section 6
Accidental Release Measures**

Spill and Cleanup Procedures: Vacuum or sweep up material and place in a disposal container.

Other Instructions: Do NOT attempt to reuse recovered material.

**Section 7
Handling and Storage**

Handling: Minimize dust generation and accumulation. Avoid breathing the dust of this material. Avoid contact with eyes. Handle in well ventilated locations.

Storage: Store in a cool dry area. Keep away from food and drinking water.

**Section 8
Exposure Controls and Personnel Protection**

Engineering Controls: Good general ventilation should be sufficient to control any airborne levels of the material.

Personal Protective Equipment

- **Eye/Face Protection:** Eye and face protection are not expected to be necessary unless significant quantities of the material become airborne.
- **Skin Protection:** Skin protection is not expected to be necessary.
- **Respiratory Protection:** Respiratory protection is not expected to be necessary unless significant quantities of the material become airborne. If so, the product should be treated as a nuisance dust.
- **Other General PPE Issues:** None.

Exposure Guidelines: There are no established exposure guidelines for this material. However, this material should be treated as a nuisance dust for purposes of respiratory protection.

**Section 9
Physical and Chemical Properties**

Appearance/Physical State: Fine white powder

Odor: Mild fragrance

pH: N/A

Vapor Pressure/Density: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Solubility in Water: Soluble

**Section 10
Stability and Reactivity**

Stability: Stable
Conditions to Avoid: None
Incompatibility/Materials to Avoid: None
Hazardous Decomposition or Byproducts: None
Hazardous Polymerization: Will not occur

**Section 11
Toxicological Information**

Availability of Toxicological Information: Limited toxicological data exist on this product. However, such data do exist on the product's components. Contact Novartis Consumer Health for toxicological information on the components.

Acute Toxicological Data: There are no acute (oral, skin, inhalation, eye) toxicological data on this product.

Skin Sensitization: This product is not expected to cause skin sensitization. There are no data on skin effects on this product.

Subchronic Data: There are no subchronic data on this product.

Reproductive Toxicity: There are no reproductive toxicity data on this product.

Teratogenicity (birth defects): There are no teratogenicity data on this product.

Mutagenicity: There are no mutagenicity data on this product.

Chronic Effects/Carcinogenicity: There are no chronic effects or carcinogenicity data on this product.

**Section 12
Ecological Information**

Ecotoxicological Data: No data are available.

Environmental Fate Data: No data are available.

Physical/Chemical Properties: No data are available.

**Section 13
Disposal Considerations**

RCRA Classification: If discarded in its manufactured form, this product is not expected to be either a listed or characteristic hazardous waste under RCRA. However, it is the responsibility of the user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste.

U.S. EPA Waste No.: N/A

Special Instructions: Dispose as a solid waste in conformance with all federal, state, and local regulations.

Section 14
Transport Information

Status under U.S. and International Shipping Regulations: This product is not regulated as dangerous or hazardous goods under DOT, IMO, ICAO, IATA, or UN shipping regulations.

Section 15
Regulatory Information

FFDCA: This product is regulated under the Federal Food, Drug, and Cosmetics Act.

OSHA: This product is not expected to present a physical or health hazard as defined under OSHA regulations. As such, this product is generally not considered to be hazardous under the criteria of the OSHA Hazard Communication Standard. However, if sufficient quantities of the product become airborne, treatment as a hazardous nuisance dust may be required.

RCRA: If discarded in its manufactured form, this product is not expected to be either a listed or characteristic hazardous waste under RCRA. However, it is the responsibility of the user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA: Not regulated.

CAA: Not regulated.

CWA: Not regulated.

CERCLA: Not regulated.

EPCRA/SARA III: Not regulated.

SDWA: Not regulated.

International Regulations: This product may be regulated by various countries' drug-regulating agencies.

California Proposition 65: This product contains no chemicals listed under California Proposition 65.

Section 16
Other Information

Label text: See product packaging or the most recent edition of the *Physician's Desk Reference for Non-Prescription Drugs*.

Hazard rating systems: See MSDS Page 1 for anticipated HMIS rating information.

Preparation and revision information: None.

Disclaimer: The information presented herein is believed to be factual. However, none of this information is to be taken as a warranty or representation for which the preparer or Novartis Consumer Health, Inc. bears legal responsibility. The distributor or user of this product should review any recommendation in the specific context of the intended use to determine whether the recommendation is appropriate.