

Butoconazole nitrate: sc-205987



MATERIAL SAFETY DATA SHEET

The Power to Question

SECTION 1 – IDENTIFICATION

Product Name: Butoconazole Nitrate
Chemical Name: 1H-Imidazole, 1-[4-(4-chlorophenyl)-2-[(2,6-dichlorophenyl)thio]butyl]-, mononitrate, (+/-)-
Synonym: N/A
Formula: C₁₉H₁₇Cl₃N₂S • HNO₃ **Molecular Weight:** 474.79
CAS Number: 64872-77-1 **RTECS Number:** NI4399500
Chemical Family: Imidazole derivative
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

SECTION 2 – INGREDIENT INFORMATION

<i>Principle Components</i>	<i>Percent</i>	<i>Exposure Limits</i>
Butoconazole Nitrate	Pure Material	n/f

SECTION 3 – HEALTH HAZARD INFORMATION

Acute: Possible eye, skin, gastrointestinal and/or respiratory tract irritation.
Chronic: Possible hypersensitization.
Inhalation: May cause irritation. Remove to fresh air.
Eye: May cause irritation. Flush with copious quantities of water.
Skin: May cause irritation. Flush with copious quantities of water.
Ingestion: May cause irritation. Flush out mouth with water.
Medical Conditions Aggravated by Exposure: Hypersensitivity to material.
Cross Sensitivity: Persons sensitive to other azole antifungals may be sensitive to this material also.

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: 1720 mg/kg
Oral Mouse: LD50: > 3200 mg/kg
Target Organ(s): n/f
Irritancy Data: n/f
Listed as a Carcinogen? NTP: No IARC: No OSHA: No Other: No

SECTION 6 – FIREFIGHTING MEASURES

Flash Point: n/f **Upper Flammable Limit:** n/f
Lower Flammable Limit: n/f **Auto-Ignition Temperature:** 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.

Incompatibilities: Strong oxidizers

Decomposition Products: When heated to decomposition material emits toxic fumes of NO_x, SO_x, and Cl₂. 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.

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!*

Melting Point: 159 – 163° C

Appearance and Odor: Crystalline powder.

Boiling Point: n/f

Specific Gravity: n/f

Vapor Pressure: n/f

% Volatile by Volume: n/f

Vapor Density: n/f

Solubility in Water: Practically insoluble

Evaporation Rate: n/f

Reactivity in Water: n/f

SECTION 11 – OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

1/10/2011