

SAFETY DATA SHEET (SDS)
MICONAZOLE NITRATE USP-43 (MICRONIZED)

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 1: Identification

Product Identifier: Miconazole Nitrate USP-43 (Micronized)
 CAS Number: 22832-87-7
 RTECS Number: NI4771000
 Recommended Use: Pharmaceutical manufacturing, R&D laboratory use
 Restrictions on Use: Not for direct human consumption
 Supplier: Chemical Store Inc.
 Address: 1059 Main Avenue, Clifton, NJ 07011
 Website: www.ChemicalStore.com
 Phone: +1 (973) 405-6248
 Emergency Phone: +1 (973) 420-4972

SECTION 2: Hazard(s) Identification

Classification:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Skin sensitization	Category 1

Signal Word: Warning

Hazard Statements:

H302 (100%): Harmful if swallowed [Warning Acute toxicity, oral]
 H317 (56.5%): May cause an allergic skin reaction [Warning Sensitization, Skin]
 H319 (11.2%): Causes serious eye irritation [Warning Serious eye damage/eye irritation]
 H410 (41%): Very toxic to aquatic life with long lasting effects [Warning Hazardous to the aquatic environment, long-term hazard]

Precautionary Statements:

GHS: (P261, P264, P264+P265, P270, P272, P273, P280, P301+P317, P302+P352, P305+P351+P338, P321, P330, P333+P317, P337+P317, P362+P364, P391, and P501)
 P261 Avoid breathing dust
 P280 Wear protective gloves/eye protection
 P302+P352 IF ON SKIN: Wash with plenty of soap and water
 P305+P351+P338 IF IN EYES: Rinse cautiously with water

Pictograms:



Irritant



Environmental
Hazard

Other Hazards: Dust may cause mechanical irritation

SECTION 3: Composition / Information on Ingredients

Components	CAS-No.	Weight %	Trade Secret
Miconazole Nitrate	22832-87-7	100	*

Substance: Miconazole Nitrate

CAS: 22832-87-7

Purity: ≥98%

Synonyms: Miconazole nitrate salt

SECTION 4: First-Aid Measures

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and water.

Eye Contact: Rinse with water for at least 15 minutes.

Ingestion: Rinse mouth. Seek medical advice.

Symptoms: May cause irritation to eyes, skin, respiratory tract

Medical Attention: Treat symptomatically

SECTION 5: Fire-Fighting Measures

Suitable Media: Water spray, dry chemical, foam, CO₂

Hazards: May produce nitrogen oxides, carbon oxides, hydrogen chloride

Specific Hazards:

- May be combustible at high temperatures as with most organic solids, fire is possible at elevated temperatures.
- Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective Equipment: Self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

Personal Precautions: Avoid dust formation

Environmental Precautions: Prevent entry into drains

Cleanup: Sweep or vacuum using appropriate equipment

SECTION 7: Handling and Storage

Handling: Avoid dust inhalation. Wear personal protective equipment.

Storage: Store in cool, dry, well-ventilated area

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits: Not established
Engineering Controls: Local exhaust ventilation
PPE: Gloves, safety glasses, dust mask/respirator

SECTION 9: Physical and Chemical Properties

Appearance: White to off-white powder
Odor: Odorless
Solubility: Slightly soluble in water
Melting Point (°C/ °F): 170.5°C/ 338.9°F
Molecular Weight: 479.14 g/mol

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions
Conditions to Avoid: Heat, moisture
Incompatibility: Strong oxidizers, Strong Bases
Decomposition: Toxic fumes on combustion

SECTION 11: Toxicological Information

Acute Toxicity: Low toxicity based on available data
Irritation: May cause irritation
Sensitization: Not expected
Carcinogenicity: Not classified

SECTION 12: Ecological Information

Ecotoxicity: No data available
Persistence: Not available
Bioaccumulation: Not available

SECTION 13: Disposal Considerations

Dispose in accordance with local regulations

SECTION 14: Transport Information

UN Number: Not regulated
Hazard Class: Not regulated
Packing Group: Not applicable

SECTION 15: Regulatory Information

US OSHA: Not classified as hazardous

TSCA: Listed or exempt

Other: Subject to pharmaceutical regulations

SECTION 16: Other Information

Disclaimer

The information provided in this Safety Data Sheet is believed to be accurate and represents the best information currently available. However, no warranty, express or implied, is made regarding its accuracy, completeness, or suitability for any particular purpose. The user is responsible for determining the applicability of this information to their specific use and for compliance with all applicable laws and regulations.

Prepared by: SDS Department of Chemical Store Inc.

Date: 4/1/2026

Revision: 1.0