


Section 1: Identification

Common Name/Trade Name	MICONAZOLE NITRATE USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	1H-imidazole, 1-[2-(2,4-dichlorophenyl)-methoxy] ethyl,monoitrate	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute toxicity, Oral (Category 4), Hazardous to the aquatic environment - Acute hazard (Category 1), Hazardous to the aquatic environment - Chronic hazard (Category 1)	
Signal Word	Warning	
Hazard Statement(s)	H302 H410	Harmful if swallowed Very toxic to aquatic life with long lasting effects
Pictogram(s)		
Precautionary Statement(s)	P264 P270 P273 P301+P312 P330 P391 P501	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Collect spillage. Dispose of contents/container to an approved waste disposal plant.
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	1H-imidazole, 1-[2-(2,4-dichlorophenyl)-methoxy] ethyl,monoitrate
Common Name	Miconazole Nitrate
CAS Number	22832-87-7
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person.
If Inhaled	Assure fresh air breathing. Allow the victim to rest.
In Case of Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
In Case of Eye Contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
If Swallowed	Rinse mouth immediately call a POISON CENTER or doctor. Specific treatment. Obtain emergency medical attention.
Most Important Symptoms and Effects	Symptoms relating to use: Swallowing a small quantity of this material will result in serious health hazard.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Water spray, Foam, Dry powder, Carbon dioxide. Sand. Unsuitable extinguishing media: Do not use a heavy water stream. Surrounding fires: Use water spray or fog for cooling exposed containers.
Special Hazards Arising From the Substance/Mixture	Under fire conditions, hazardous fumes will be present.
Special PPE and/or Precautions for Firefighters	Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Ventilate area. Equip cleanup crew with proper protection. Evacuate unnecessary personnel.
Methods and Materials Used for Containment	On land, sweep up and shovel into suitable containers. Minimize generation of dust.
Cleanup Procedures	On land, sweep up and shovel into suitable containers. Minimize generation of dust. Avoid release to the environment. Prevent entry to sewers and public water. Notify authorities if product enter sewers or public waters.

Section 7: Handling and Storage

Precautions for Safe Handling	Provide good ventilation in process area to prevent formation of vapour. Wash thoroughly after handling. Do not eat or drink or smoke when using this product.
Conditions for Safe Storage	Keep only in the original container in a cool, well ventilated place. Keep in container closed when no in use. Storage away from: Strong bases, Strong acids. Sources of ignition. Direct sunlight.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No data available
Appropriate Engineering Controls	Avoid all unnecessary exposure.
PPE - Eye/Face Protection	Chemical goggles or safety glasses.
PPE - Skin Protection	Wear protective gloves. In case of repeated or prolonged contact wear gloves.
PPE - Body Protection	Wear protective gloves. In case of repeated or prolonged contact wear gloves.
PPE - Respiratory Protection	Where excessive vapour may result, wear approved mask.

Section 9: Physical and Chemical Properties

Appearance	Form: Powder Colour: White
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Odourless
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	4
Relative Density	No data available
Melting Point/Freezing Point	184 °C
Solubility	Soluble if mixed with: Acetone (1,80 g/l)
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	Log Pow octanol/water 20 °C 5.79
Auto-Ignition Temperature	Auto-ignition temperature °C Not applicable 350
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	Not established
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Not established
Conditions to Avoid	Extremely high or low temperatures. Direct sunlight.
Incompatible Materials	Strong bases, Strong acids
Hazardous Decomposition Products	Fume. Carbon monoxide. Carbon dioxide.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Rat oral LD50 [mg/kg/24h] >640 (920 mg/kg) Dog Oral LD50 [mg/kg] >160 Oral DL (pig) [mg/kg] 275.9
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	May cause an allergic skin reaction.
Germ Cell Mutagenicity	Not mutagenic in Ames test with Salmonella typhimurium and Escherichia coli, and in Klebsiella pneumonia.
Carcinogenicity IARC	No data available
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No data available
Carcinogenicity OSHA	No data available
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Very toxic to aquatic life with long lasting effects. 48 hour-EC50-Daphnia magna [mg/l] : No data available. LC50 96 Hour-fish [mg/l] 0.144.
Persistence and Degradability	Biodegradable
Bio-accumulative Potential	No data available
Mobility in Soil	LoP (5,79) Log Pow Octanol/water at 20 °C No data available
Other Adverse Effects	Avoid release to the environment.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national, and or international regulation. Dispose in safe manner in accordance with local/national regulations. Avoid release to the environment.
Waste Treatment Methods Packaging	Avoid release to the environment. Hazardous waste due to toxicity.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	
UN Proper Shipping Name	
Transport Hazard Class(es)	
Packaging Group	
Environmental Hazards	Marine Pollutant: No Poison Inhalation Hazard: No

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture. Ensure all national/local regulations are observed.
Chemical Safety Assessment: It has not been carried out.

Section 16: Other Information

Additional Information	N/A
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