

Section 1: Identification

Common Name/Trade Name	MINOXIDIL 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)	6-(1-Piperidinyl)pyrimidine-2,4-diamine 3-oxide	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute Tox, Oral 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3	
Signal Word	Warning	
Hazard Statement(s)	H302 H315 H319 H335	Harmful if swallowed Causes skin irritation Causes serious eye irritation May cause respiratory irritation
Pictogram(s)		
Precautionary Statement(s)	P261 P264 P280 P301+P312 P305+P351+P338 P330 P501	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. Rinse mouth. 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	6-(1-Piperidinyl)pyrimidine-2,4-diamine 3-oxide
Common Name	Minoxidil
CAS Number	38304-91-5
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	If exposed or concerned: Get medical advice/attention.
If Inhaled	Move to fresh air. Assure fresh air breathing. If breathing has ceased give artificial respiration. Obtain immediate medical attention
In Case of Skin Contact	Remove contaminated clothing and wash affected area with soap and water immediately. If irritation or redness occurs obtain immediate medical attention.
In Case of Eye Contact	Remove contact lenses, if worn and rinse open eye with at least 15 minutes under running water and apply sterile protective bandage. Obtain medical attention immediately.
If Swallowed	Never give anything by mouth if patient is unconscious. Do not induce vomiting. Rinse mouth with water and obtain immediate medical attention.
Most Important Symptoms and Effects	No data available. Treat symptomatically.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use extinguishing media appropriate for surrounding fire. Water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special Hazards Arising From the Substance/Mixture	Carbon oxides, nitrogen oxides.
Special PPE and/or Precautions for Firefighters	Wear self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes. A self-contained breathing apparatus and suitable protective clothing should be worn by fire fighters.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Methods and Materials Used for Containment	Do not let product enter drains
Cleanup Procedures	Take up mechanically or sweep up carefully and transfer to a suitable container for recovery or waste disposal (see section 13 disposal consideration). Avoid generation of dust. Ventilate the area and wash spill site after material pick-up is complete. Disposal of waste in accordance with all applicable federal, state and local laws.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection
Conditions for Safe Storage	Preserve in well-closed containers. Keep container tightly closed in a dry and well ventilated place.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No data available
Appropriate Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wear recommended personal protective equipment as details below: Eye wash facilities and a safety shower should be easily accessible. Before breaks and at the end of work thoroughly wash hands with soap and water. Wash contaminated clothing before use. Clean footwear before use. All necessary precautions must be taken to avoid release into the environment. Refer to Local, State or National Legislations for environment and pollution control.
PPE - Eye/Face Protection	Wear safety glasses
PPE - Skin Protection	Wear chemical protective gloves
PPE - Body Protection	Chemical resistant gloves & safety glasses is must. Wear chemically protective clothing
PPE - Respiratory Protection	Seek professional advice prior to respirator selection. Atmospheric level should be maintained below the exposure limit. If airborne concentrations is high use mask or respirator.

Section 9: Physical and Chemical Properties

Appearance	Crystalline, white powder
Upper/Lower Flammability or Explosive Limits	No data available
Odor	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point/Freezing Point	Melts with approximate range of 248-268C with decomposition
Solubility	Soluble in alcohol and in propylene glycol, sparingly soluble in methanol, slightly soluble in water, practically insoluble in chloroform, in acetone, in ethyl acetate and in hexane.
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	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable and no hazardous polymerization.
Possibility of Hazardous Reactions	Stable and no hazardous polymerization.
Conditions to Avoid	Usual precautions for handling of chemicals should be observed.
Incompatible Materials	Avoid contact with oxidizing substances
Hazardous Decomposition Products	No hazardous polymerization.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 oral (rat) 1321 mg/kg Harmful if swallowed
Acute Toxicity - Inhalation	May cause respiratory irritation
Acute Toxicity - Dermal	May be harmful if absorbed through skin. Causes skin irritation
Acute Toxicity - Eye	Causes serious eye irritation
Skin Corrosion/Irritation	May be harmful if absorbed through skin. Causes skin irritation
Serious Eye Damage/Irritation	Causes serious eye irritation
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
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	No data available
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Contact a licensed professional waste disposal service to dispose of this material. Dispose in a safe manner in accordance with local/national regulations.
Waste Treatment Methods Packaging	Contact a licensed professional waste disposal service to dispose of this material. Dispose in a safe manner in accordance with local/national regulations.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

Classification in accordance with UN GHS/EU Regulation EC 1272/2008 Hazard Class and Category Code(s) Acute Tox, Oral 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3 Hazard statement code(s) H302 : Harmful if swallowed H315 : Causes skin irritation H319 : Causes serious eye irritation H335 : May cause respiratory irritation Pictogram: Exclamation Mark Signal Word: Warning

Section 16: Other Information

Additional Information	N/A
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