

Section 1. Product and Company Identification

**Product Name** Minoxidil Sulfate  
**CAS Number** 83701-22-8

**Parchem - fine & specialty chemicals**  
**415 Huguenot Street**  
**New Rochelle, NY 10801**  
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CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture  
According to Regulation (EC) No-1272/2008**

Acute toxicity, Oral (Category 4)  
Skin irritation (Category 2)  
Eye irritation (Category 2)  
Specific target organ toxicity - single exposure (Category 3)

**GHS Label Elements**

**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**

**Hazard Statements**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation

**Precautionary Statements**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Hazard symbols**

Xn Harmful



**R-phrases**

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

**S-phrases**

S26 Harmful if swallowed. Irritating to eyes, respiratory system and skin.

S36 Wear suitable protective clothing.

Section 3. Composition / Information on Ingredients

<b>Common Name</b>	Minoxidil Sulfate
<b>Synonym(s)</b>	2,4-Diamino-6-piperidinopyrimidine-3-oxide. Sulfate
<b>Formula</b>	$C_9H_{15}N_5O_4S$
<b>CAS Number</b>	83701-22-8

Section 4. First Aid Measures

**General advice:** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Inhalation:** Move to fresh air. Call a physician immediately.

**Skin contact:** Rinse immediately with plenty of water and seek medical advice

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Protection of first-aiders:** No information available

**Medical conditions aggravated by exposure:** None known

Section 5. Firefighting Measures

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam

**Specific hazards:** Burning produces irritant fumes.

**Unusual hazards:** None known

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Specific methods:** Water mist may be used to cool closed containers.

**Flash point:** Not determined

**Auto-ignition temperature:** Not determined

**NFPA Rating**

**Health:** 0

**Flammability:** 0

**Reactivity:** 0



Section 6. Accidental Release Measures

**Personal precautions:** Use personal protective equipment.

**Environmental precautions:** Prevent product from entering drains.

**Methods for cleaning up:** Sweep up and shovel into suitable containers for disposal.

Section 7. Handling and Storage

**Storage:** Room Temperature Below 35°C

**Handling:** Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:** Wear personal protective equipment.

**Technical measures/storage conditions:** Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible products:** Oxidizing and spontaneously flammable products

Section 8. Exposure Controls / Personal Protection

**Engineering measures:** Ensure adequate ventilation.

**Personal Protective Equipment**

**Respiratory protection:** Breathing apparatus only if aerosol or dust is formed.

**Hand protection:** PVC or other plastic material gloves

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.

**Eye protection:** Safety glasses with side-shields

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

**Physical state:** Powder

**Molecular weight:** 289.3

**Melting point/range:** No data available

**Boiling point/range:** No Data available at this time.

**Density:** No data available

**Vapor pressure:** No data available

**Evaporation rate:** No data available

**Vapor density:** No data available

**Solubility (in water):** Soluble

**Flash point:** Not determined

**Auto-ignition temperature:** Not determined



Section 10. Stability and Reactivity

**Stability:** Stable under recommended storage conditions.

**Polymerization:** None under normal processing.

**Hazardous decomposition products:** Nitrogen oxides (NO<sub>x</sub>)/ammonia/CN

**Materials to avoid:** Strong oxidizing agents

**Conditions to avoid:** Exposure to air or moisture over prolonged periods.

Section 11. Toxicological Information

**Product Information**

**Acute toxicity**

Minoxidil Sulfate

RTECS Number: UV8200000

Oral LD50 - Rat: 1321 mg/kg

Oral LD50 - Mouse : >1 g/kg

**Chronic toxicity:** Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

**Local effects:** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Specific effects:** May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

**Primary irritation:** No data is available on the product itself.

**Carcinogenic effects:** No data is available on the product itself.

**Mutagenic effects:** No data is available on the product itself.

**Reproductive toxicity:** No data is available on the product itself.

Section 12. Ecological Information

**Mobility:** No data available

**Bioaccumulation:** No data available

**Ecotoxicity effects:** No data available

**Aquatic toxicity:** May cause long-term adverse effects in the aquatic environment

**Ecotoxicity - Freshwater:** Not Listed

**Ecotoxicity - Microtox:** Not Listed

**Ecotoxicity - Water Flea Algae:** Not Listed

**EPA - ATSDR Priority List:** Not listed

**EPA - HPV Challenge:** Not listed

**California - Priority Toxic Program Chemical List Pollutants:** Not listed



Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**UN/ID No:** Not regulated

**DOT**

**Proper shipping name:** Not regulated

**U.S. DOT - Appendix A Table 1 - Reportable Quantities:** Not Listed

**TOG (Canada):** WHMIS hazard class: Non-controlled

**IMDG/IMO**

**IMDG-Hazard Classifications:** Not Applicable

**U.S. DOT - Appendix B- Marine Pollutants:** Not Listed

**U.S. DOT - Appendix B- Severe Marine Pollutants:** Not Listed

**IMO Labels:** N/A

Section 15. Regulatory Information

**International Inventories**

Inventory- United States TSCA -Sect. S(b)

EU EINECS

List -Korean KECL

Canada DSL Inventory

List- Australia (AICS)

Present 253-87 4-2; C<sub>9</sub>H<sub>15</sub>N<sub>5</sub>O Not Listed; KE-01301 Not Listed

**U.S. Regulations**

**California Proposition 65:** Not listed

**Massachusetts Right to Know List:** Not listed

**New Jersey Right to Know List:** Not listed

**Pennsylvania Right to Know List:** Not listed

**Florida Substance List:** Not Listed

**Rhode Island Right to Know List:** Not Listed

**Illinois - Toxic Air Contaminants:** Not Listed

**Connecticut - Hazardous Air Pollutants:** Not Listed

**SARA 313 Emission reporting/Toxic Release of Chemicals:** Not Listed

**CERCLA/SARA - Section 302 Extremely Haz NTP:** Not Listed

**IARC:** None



### **SARA 313 Notification**

The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: 0086-519-82869798.

### **State Notification**

The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

Section 16. Other Information
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**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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