



Trade name: Minoxidilum

Substance number: 065688

Version: 1 / CH

Date revised: 30.03.12

Replaces Version: - / CH

Date of printing: 30.03.12

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Minoxidilum

Item-No.

06568800

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Active pharmaceutical substance, pharmacy

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no.

0041 (0)71 353 58 58

E-mail address of

sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H335
Repr. 2	H361d

Classification in accordance with EC directives

Classification

Repr.Cat.3, R63

Xn, R22

Xi, R36/37/38

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Danger

Hazard statements

H302

Harmful if swallowed.

H315

Causes skin irritation.

H319

Causes serious eye irritation.



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H335 May cause respiratory irritation.
H361d Suspected of damaging the unborn child.

Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.
P264 Wash ... thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P501.3 Disposal in compliance with local and national regulations.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

Harmful

R phrases

22 Harmful if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.
63 Possible risk of harm to the unborn child.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37 Wear suitable protective clothing and gloves.
60 This material and its container must be disposed of as hazardous waste.

Hazardous component(s) to be indicated on label

contains minoxidil

Special labelling for certain preparations

"Restricted to professional users"

3. Composition/information on ingredients**Molecular weight**

Value 209.25 g/mol

Hazardous ingredients**minoxidil**

CAS No. 38304-91-5
EINECS no. 253-874-2
Concentration >= 50 %
Classification Xn, R22
Xi, R36/37/38
Repr.Cat.3, R63

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302
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4. First aid measures

4.1. Description of first aid measures

After inhalation

Remove the casualty into fresh air and keep him calm. Irregular breathing/no breathing: artificial respiration. If necessary, give oxygen. Summon a doctor immediately.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Never give anything by mouth to an unconscious person. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Summon a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

Irritating to respiratory system. Causes very strong irritations of the eyes, skin and mucous membranes. Cardiovascular disturbance, Dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Continue to monitor for pneumonia and pulmonary oedema.

Hints for the physician / hazards

Risk of pulmonary oedema; Risk of cardiac rhythm disturbances

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

Non Suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Nitrogen oxides (NO_x); Sulfuroxides (SO_x)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Cool endangered containers with water spray jet. Do not discharge into surface waters/groundwater. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Ensure adequate ventilation. Avoid contact with eyes and skin. Wear protective equipment



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6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Dilute with water. Pick up with absorbent material. Clean up affected area.

6.4. Reference to other sections

Information regarding personal protective measures see, chapter 8.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Isolate from sources of heat, sparks and open flame. Smoking, eating and drinking should be prohibited in application area. Take precautionary measures against electrostatic loading. Observe the usual precautions for handling chemicals. Do not inhale substance. Avoid contact with skin, eyes and clothing. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container. Keep in original packaging, tightly closed.

Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from heat and direct sunlight. Do not keep at temperatures above 30 °C.

8. Exposure controls/personal protection

8.2. Exposure controls

Exposure controls

Provide adequate ventilation.

Respiratory protection

Breathing apparatus in the event of aerosol.

Hand protection

Gloves

Appropriate Material	rubber		
Penetrating time	240	min	

Eye protection

Safety glasses; Face shield

Body protection

protective overalls

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	crystalline
Form	Solid substance
Colour	white
Odour	odourless
pH	
Value	6.45 to 6.85



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Concentration/H₂O 0.1 g/l**Melting point**

Value 248 °C

Boiling point

Value 249 to 251 °C

Flash point

Remarks Not applicable

Solubility in water

Value 2.2 g/l

Solubility in other solvents

Methanol

Value 44 g/l

Ethanol

Value 29 g/l

Acetone

Value < 0.5 g/l

Ethyl acetate

Value < 0.5 g/l

Diethyl ether

Value < 0.5 g/l

Octanol/water partition coefficient (log Pow)

log Pow 1.24

Thermal decomposition

Value 249 to 251 °C

10. Stability and reactivity**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

10.4. Conditions to avoid**Thermal decomposition**

Value 249 to 251 °C

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition productsnitrous oxides (NO_x), sulphurous oxides (SO_x)**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**Species rat
LD50 1321 mg/kgSpecies mouse
LD50 > 1004 mg/kg**Skin corrosion/irritation**

valuation irritant effect possible

Serious eye damage/irritation



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valuation irritant effect possible

Sensitization

Remarks No data available.

Mutagenicity

valuation No mutagenicity in the Ames-test.

Reproduction toxicity

Route of exposure subcutaneous

Species rat

Dose 2080 mg/kg

Duration of exposure > 17 d

valuation Can cause malformations.

Carcinogenicity

valuation No negative effects

12. Ecological information**12.1. Toxicity****Fish toxicity**

Remarks No data available.

12.2. Persistence and degradability**Biodegradability**

Remarks No data available.

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow)**

log Pow 1.24

12.4. Mobility in soil**Mobility**

Slightly mobile in soils

12.6. Other adverse effects**General information / ecology**

Ecological data are not available.

13. Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code Should not be released into the sanitary sewer system.

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information**Land transport ADR/RID**

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.



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Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

15. Regulatory information**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

16. Other information**R-phrases listed in chapter 3**

22	Harmful if swallowed.
36/37/38	Irritating to eyes, respiratory system and skin.
63	Possible risk of harm to the unborn child.

Hazard statements listed in chapter 3

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.