



# **CHEMSYNTH CORPORATION**

(Exporter of chemical Raw materials)

**B 802 Gundecha, LBS Marg, Kanjurmarg, Mumbai 400 078, India.**

**Tele: +91 22 2578 9174 fax: +91 22 2569 0837, Email [info@chemsynth.co.in](mailto:info@chemsynth.co.in)**

## **Material Safety Data Sheet**

### **Minoxidil**

**1 Identification of the substance/mixture and of the company/undertaking** · Informations to product No. 5310 · Product name: Minoxidil, API Minoxidilum ·

#### **2 Hazards identification** ·

GHS-Labeling Elements: · Signal word: Warning · H-Phrases: H302 Harmful if swallowed H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation · P-Phrases: P280 Wear protective gloves/protective clothing/eye protection/face protection

#### **3 Composition / information on ingredients** ·

Chemical characterization: CAS-No. Substance name 38304-91-5 Minoxidil · Identification number(s) EINECS-No.: 258-874-2

#### **4 First aid measures** ·

after inhalation: Fresh air, If feeling unwell seek medical advice. · After skin contact: Take off contaminated clothes and shoes, wash immediately with plenty of water and soap. · after eye contact: Rinse out with plenty of water with the eyelid wide open. · after swallowing: Drink water. Induce vomiting. Seek medical advice.

#### **5 Fire-fighting measures** ·

Suitable extinguishing media: All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment. · Specific hazards during fire fighting: Combustible but not flammable. In case of fire dangerous gases / vapours can be released: Smoke gases. · Special protective equipment for fire-fighters: Suitable protective clothes and respiratory protection. · Additional information: Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

## **6 Accidental release measures ·**

Personal protective measures: Avoid dust formation and contact with substance. · Environmental protective measures: Prevent from entering into drains. · Methods for cleaning: Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

## **7 Handling and storage ·**

Handling: No special requirements. · Advice on safe handling: No special measures required. · Informations to fire or explosion protection: No special measures required. · Storage: · Requirements for storage areas and containers: Tightly closed. Store at a dry place. At room

## **8 Exposure controls / personal protective equipment ·**

Personal protective equipment: · General protective and hygiene measures: The usual precaution measures during handling of chemicals are to observe. · Respiratory protection: Dust protection mask. · Hand protection: Protection gloves of latex or rubber. · Eye protection: Safety glasses

## **9 Physical and chemical properties ·**

Form: solid · Colour: white · Odour: Odourless. · Melting point / melting range: 265-275 ° C · Boiling point / boiling range: not determined · Flash point: not determined · Explosion hazard: Dust explosion hazard. · Density: not determined Bulk density:: ca. 700 kg/cbm · Solubility in / Miscibility with · Water at 20 ° C 2 g/l · Additional information: Soluble in Ethanol

## **10 Stability and reactivity ·**

Thermal decomposition / conditions to avoid: No decomposition during appropriate use. · Materials to avoid: Strong oxidizers · Hazardous reactions: No hazardous reactions known. · Hazardous decomposition products: In case of fire: nitrogen oxides.

## **11 Toxicological information ·**

Acute toxicity: LD/LD50-data relevant for hazard classification: LD50(oral,Rat): 1321 mg/kg LD50(oral,Mouse): 1000 mg/kg LD50(i.v.,Rat): 49 mg/kg LDLO(Mensch): 69 mg/kg TDLO(Mensch): 107 mcg/kg · Other information (experimatal toxicology): Antihypertensive effect. Side effect: stimulation of hair growth (Br. Med. J. 287, 1015 (1983)).

## **12 Ecological information ·**

Ecotoxic effects: Quantitative ecotoxicological data for this product are not available.

### **13 Disposal considerations ·**

Product: · Recommendation: Disposal according to local regulations as pharmaceutical waste. · Empty contaminated packaging: · Recommendation: Disposal according to the local regulations.

### **14 Transport informations ·**

Land transport according to ADR: Not classified as dangerous in the meaning of transport regulations.

### **15 Regulatory information ·**

Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals): The product is classified and labelled according to GHS-regulations. · Hazard symbols: GHS07 · Signal word: Warning · H-Phrases: H302 Harmful if swallowed H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation · P-Phrases: P280 Wear protective gloves/protective clothing/eye protection/face protection · Labelling according to EC-regulations: The product is classified and labelled according to ECregulations · Signal character and hazard specification of the product: Xn Harmful · R-Phrases: 22 – 36/37/38 · S-Phrases: 26 – 36

### **16 Other Information**

The information provided in this MSDS is correct to the best of our knowledge at the date of edition. · Reason for last revision: Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.