



**KUMAR ORGANIC PRODUCTS LIMITED**  
**Bangalore – 560 105**

**Safety Data Sheet : Kopdil**

**1. Identification of the substance/Preparation & Company/Undertaking**

Brand Name	<b>Kopdil</b>
Substance name	<b>Minoxidil</b>
Chemical Name	6-(Piperidin-1-yl)pyrimidine-2,4-diamine 3-oxide
Product Code	K007
Recommended use Restrictions on use	Hair growth stimulant. For manufacturing Hair care products.
Manufacturer's name	Kumar Organic Products Limited Road No. 3, Jigani Industrial Area, Bangalore – 560 105, India Tel. No. +91 080 27825376 Fax : +91 080 27825439. Email: <a href="mailto:kop@kumarorganic.net">kop@kumarorganic.net</a>
USA Office	Kumar Organic Products Limited Suite M, ITM Corporate center, 6 Kilmer Rd., Edison NJ 08817 Tel: 732 662 2654 Fax. : 201 604 6727 Email. <a href="mailto:sales_na@kumarorganic.net">sales_na@kumarorganic.net</a>

**2. Hazard Identification**


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
Precautionary statements	P261 Avoid breathing dust/fume/ gas/mist/vapours/spray P264: Wash hands and other exposed areas thoroughly after handling P301+P312: IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P330: Rinse mouth P280: Wear protective gloves/protective clothing/eye protection/face protection P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue



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	rinsing P501 Dispose of contents/container in accordance with local regulation
Pictogram	 <b>Harmful</b>
Signal word	'Warning'

**3. Composition**

Name	CAS Number	EC Number	GHS Hazard class & categ, code	Percent (w/w) approx.
Minoxidil	38304-91-5	253-874-2	Acute Tox, Oral 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3	≤100%

**4. First Aid Measures**

General	If exposed or concerned: Get medical advice/attention.
Inhalation	Move to fresh air. Assure fresh air breathing. If breathing has ceased give artificial respiration. Obtain immediate medical attention
Skin contact	Remove contaminated clothing and wash affected area with soap and water immediately. If irritation or redness occurs obtain immediate medical attention.
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.
Ingestion	Never give anything by mouth if patient is unconscious. Do not induce vomiting. Rinse mouth with water and obtain immediate medical attention.
Other information	Treat symptomatically

**5. Fire Fighting Measures**

Suitable extinguishing media	Use extinguishing media appropriate for surrounding fire. Water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Exposure hazards	Carbon oxides, nitrogen oxides
Fire fighting procedures	Wear self-contained breathing apparatus and full protective clothing to



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Protective equipment	prevent contact with skin and eyes. A self-contained breathing apparatus and suitable protective clothing should be worn by fire fighters.
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**6. Accidental Release Measures**

Personal precautions	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental precautions	Do not let product enter drains
Disposal	Disposal of waste in accordance with all applicable federal, state and local laws.
Methods for cleaning up	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.

**7. Handling and Storage**

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
Storage	Preserve in well-closed containers. Keep container tightly closed in a dry and well ventilated place.

**8. Exposure Controls and Personal Protection**

Exposure limit	No data available
Exposure controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Occupational exposure controls	Wear recommended personal protective equipment as details below:
Personal protection	Chemical resistant gloves & safety glasses is must
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.
Hand protection	Wear chemical protective gloves
Eye protection	Wear safety glasses
Skin protection	Wear chemically protective clothing

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Work practices	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.
Environmental exposure controls	All necessary precautions must be taken to avoid release into the environment. Refer to Local, State or National Legislations for environment and pollution control.

**9. Physical and Chemical Properties**

Appearance	Crystalline, white powder
Odour	No data available
Odour threshold	No data available
pH	No data available
Melting point/freezing point	Melts with approximate range of 248-268°C with decomposition
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
Upper/lower flammability or explosive limits	No data available
Vapor pressure	Not known
Vapor density	Not known
Relative density	Not available
Solubility(ies)	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.
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

**10. Stability and Reactivity**

Stable	Stable and no hazardous polymerization.
Conditions to avoid	Usual precautions for handling of chemicals should be observed.
Materials to avoid	Avoid contact with oxidizing substances
Reactivity	No data available



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**11. Toxicological Data**

Acute toxicity	LD50 oral (rat) 1321 mg/kg
Ingestion	Harmful if swallowed
Inhalation	May cause respiratory irritation
Skin contact	May be harmful if absorbed through skin. Causes skin irritation
Eye contact	Causes serious eye irritation

**12. Ecological Data**

Aquatic Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

**13. Disposal Considerations**

Waste treatment	Contact a licensed professional waste disposal service to dispose of this material. Dispose in a safe manner in accordance with local/national regulations.
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**14. Transport Information**

D.O.T. Label	None
Land Transport	
ADR/RID/GGVS/GGVE UN NO	None / Not Regulated
Sea Transport	
IMDG	None / Not Regulated
Air Transport	
IATA	None / Not Regulated
IATA Dangerous Goods Regulations (DGR)56th edition NO	None / Not Regulated



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This product is not classified as dangerous under the relevant EU directives and DOT regulations

**15. Regulatory Information**

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Hazard statement code(s)  
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Pictogram



**Harmful**

Signal word 'Warning'

**16. Other Information**

**Prepared on: 12<sup>th</sup> April 2017.**

The information contained in the safety data sheet (SDS) has been compiled from data considered to be accurate. This data is believed to be reliable, however it must be pointed out that values for certain properties are known to vary from source to source. This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his applications. This data relates only to the specific material designated and not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize themselves with all applicable regulations. Kumar Organic Products Ltd makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances nor assumes any liabilities from the use of its products or information provided herein.