



Taro Pharmaceutical Industries Ltd.

Material Safety Data Sheet

Minoxidil Topical Aerosol, 5% w/w (Foam)

1. Identification of the Substance/Preparation and of the Company / Undertaking

SDS compliant with regulations – (EC) No 1907/2006 (REACH), (EC) No 1272/2008 (CLP)

1.1: Identification of the substance/mixture and of the company/undertaking

Product Identifier..... Minoxidil Topical Aerosol, 5% w/w (Foam)
 Reach Registration number..... No information available
 Product name..... Minoxidil Topical Aerosol, 5% w/w (Foam)
 Product type..... No information available
 Formular..... Mixture.

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

Ecology-use..... No information available
 Main use category..... Hair regrowth treatment
 Industrial category..... Medical Product

1.3: Company/undertaking identification

Supplier..... Taro Pharmaceutical Industries Ltd
 Company telephone number..... 972-4-847-5700
 Company fax number.....
 Company contact person.....

Emergency telephone number..... 972-4-847-5375

2. Hazards Identification

2.1. classification of the substance or mixture

This substance is classified as dangerous

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Extremely flammable aerosol H222, Acute Tox. 4 (Oral) H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319 , Specific target organ toxicity - single exposure (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram.....



Signal word..... Danger.

Hazard statement(s)

H222 Extremely flammable aerosol



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H302

H319

H335

H315

Harmful if swallowed

Causes serious eye irritation

May cause respiratory irritation

Causes skin irritation

Precautionary statement(s)

P410

P210

P273

P270

P391

P305 + P351 + P338

Protect from sunlight.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Avoid release to the environment

Do not eat, drink or smoke when using this product.

Collect spillage.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards - none

3. Composition/Information on Ingredients

3.1 Mixtures

Synonyms

No information available

Formula

No information available

Molecular Weight

No information available

Dangerous Component		Classification	Concentration % w/w
HYDROCARBON PROPPELLANT (propane, butan, isobutane)			
CAS-No.	74-98-6/ 106-97-8/	H220	No information available
EC-No.	200-827-9/ 203-448-7		
Annex I number	601-003-00-5		
Minoxidil			
CAS-No.	38304-91-5	H302, H315, H319, H335	5
EC-No.	253-874-2		
Annex I number			
Dehydrated Alcohol			
CAS-No.	64-17-5	H225, H319	45-65
EC-No.	200-578-6		
Annex I number	603-002-00-5		

For the full text of the H-Statements mentioned in this Section, see Section 16



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4. First-Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact.....	Irrigate thoroughly with water for at least 15 minutes. Obtain medical attention
Skin Contact.....	Wash off skin thoroughly with water. Remove contaminated clothing and wash before reuse. In severe cases obtain medical attention.
Inhalation.....	If breathed in, move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Ingestion.....	Do not induce vomiting. If patient is conscious, drink a lot of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-Fighting Measures

5.1 Extinguishing media

Water spray, dry powder, CO₂ or alcohol-resistant foam.

For large fire use: Water spray. Do not use water jet.

5.2 Special hazards arising from the substance or mixture

No information available

5.3 Advice for firefighters

Use water spray to cool fire-exposed containers and as a protective screen.

Wear full set of protective equipment including chemical goggles and gloves.

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Bursting aerosol containers may be propelled from a fire at high speed. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.



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5.4 Further information

Use water spray to cool unopened containers.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth, sawdust and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other sections

For disposal see section 13.

7. Handling And Storage

7.1. Handling

Handling.....	Avoid the inhalation of dust from sanding. Avoid contact with skin and eyes. Avoid breathing vapour or mist. Keep away from potential sources of ignition - NO smoking.
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Electrical equipment should be protected to the appropriated standard.

Eating, drinking and smoking should be prohibited in areas where this material is handled, Stored and processed.

Wash hands after handling and before eating.

Handling temperatures..... No information available

7.2. storage

Storage..... Do not use or store near heat, sparks or open flame. Do not puncture or incinerate container. Store in a cool, dry place. Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Keep away from: oxidizing agents, strong alkalis, strong acids..

7.3. special use(s) and requirements

Product transfer/packing requirement..... No information available
Recommended materials..... No information available
Unsuitable materials..... No information available

8. Exposure Controls / Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Personal Protective Equipment:

Hand, Skin and Eye protection..... Face shield and safety glasses Use equipment for eye protection.
Handle with Chemical- resistant, impervious gloves. >8 hours(breakthrough time): Rubber gloves, nitrile rubber .Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Wear impervious clothing, Flame retardant antistatic protective clothing, The type of



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Respiratory Protection.....	protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Body Protection	impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical And Chemical Properties

9.1. general information

Appearance.....	Foam (Aerosol)
Colour.....	No data available
Odour.....	No data available

9.2. important health, safety and environmental information

Initial boiling point and boiling range.....	No data available
Melting point.....	No data available
Flash point.....	
Auto-ignition temperature.....	No data available
Upper/lower flammability or explosive limits.....	No data available
Relative density.....	No data available
Solubility in water.....	No data available
n-octanol/water partition coefficient (log pow)...	No data available
Kinematic viscosity.....	
Surface tension.....	No data available
Specific Gravity.....	No data available
Volatile organic carbon content.....	No data available
Relative Vapour Density	No data available
Vapor pressure.....	No data available
Molecular weight.....	No data available
PH.....	No data available



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Volatility%..... No data available

10. Stability And Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal temperature conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to Avoid

Avoid excessive heat, high temperatures and all sources of ignition.

10.5 Incompatibilities with Other Materials

Keep away to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

10.6 Hazardous Decomposition Products

No data available

10.7 Hazardous Polymerization

Hazard polymerization will not occur.

11. Toxicological Information

Acute toxicity – oral..... No data available

Acute toxicity – derma..... No data available

Acute toxicity – inhalation..... No data available

11.1. Effects and symptoms

Symptoms/injuries after skin contact..... No data available

Symptoms/injuries after inhalation..... No data available

Symptoms/injuries after eye contact..... No data available

Carcinogenicity..... No data available

11.2. other information

Hazchem code..... N/A

Potential health effects..... No data available

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12. Ecological Information

12.1. Ecotoxicity.....	No data available
12.2. Environmental Fate.....	No data available
12.3. Physical/Chemical.....	No data available
12.4. Bio accumulative potential.....	No data available

13. Disposal Considerations

13.1. ecological aspects

Ecological general.....	No information available
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13.2. disposal instructions

Waste disposal.....	Dispose of residues to allocated disposal area, according to national/local regulations. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.
Product disposal.....	No information available
Container/package disposal.....	No information available
Disposal precautions.....	No information available

13.3. EU and local legislation

ISRAELI legislation - Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990.

EU - Directive 91/689/EEC on hazardous waste

14. Transport Information

DOT Classification(49 CFR).....	Consumer Commodity, ORM-D(until 12/31/2020) UN1950, AEROSOLS, CLASS 2.1, LTD QTY (IP VOL <1.0 L)
ADR.....	UN1950, AEROSOLS, CLASS 2.1
IMDG Code.....	UN1950, AEROSOLS, CLASS 2.1 (LTD



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ICAO.....

QTY, IP VOL \leq 1.0 L)

UN1950, AEROSOLS, flammable, CLASS
2.1, (may be shipped as a Consumer
Commodity, 8000, Class 9 ,provided that
the Inner Packings volume< 500 ml)

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available

15.2. Chemical Safety Assessment

No information available

15.3. compliancy additional legislation

ISRAELI legislation - Hazardous Substances Law, 1993, Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990, Hazardous Substances Regulations (Import and Export of Hazardous Wastes), 1994, Licensing of Businesses Regulations (Hazardous Industrial Plants), 1993, transport services law, 1997, Licensing of Businesses Regulations (oil storage), 1976.



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16. Other Information

Text of H-code(s) mentioned in Section 3

H222.....	Extremely flammable aerosol
H302.....	Harmful if swallowed
H319.....	Causes serious eye irritation
H315.....	Causes skin irritation
H335.....	May cause respiratory irritation
Reach references.....	Not registered
Revision date.....	10.9.2017
Revision information.....	New Addition
Other information.....	Not available

Disclaimer:

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