

Material Safety Data Sheet

Product code: JJCUSROGAINE2
Revision date: 02-13-2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Supplier:

Johnson and Johnson Consumer Companies, Inc.
199 Grandview Road
Distributor
Skillman, NJ
08558-9418

Customer service telephone: 1-800-526-3967

Emergency telephone number: For 24-hour emergency assistance, call the 3E Company at 1 (877) 236-9871. Provide the technician with the following product tracking code: 2277.

Product name: ROGAINE® MINOXIDIL 2% TOPICAL SOLUTION
Synonyms: WOMEN'S ROGAINE® HAIR REGROWTH TREATMENT SOLUTION
Product code: JJCUSROGAINE2
Formula: #NDA 19-501
Identified use: For external use only.

2. HAZARDS IDENTIFICATION

Emergency overview: Flammable.

Properties affecting health: May cause eye irritation.
May be harmful if swallowed.
May cause respiratory tract irritation

This material is a controlled product under WHMIS.

Principle routes of exposure:

Eye Contact: May cause eye irritation.
Skin contact: No effects expected.
Ingestion: May be harmful if swallowed.
Inhalation: May cause irritation of respiratory tract

Physico-chemical properties: Flammable.

Hazard information:

Target Organ(s) No significant organ toxicity expected.
Reproductive effects: Ingestion of large quantities may cause fetal alcohol syndrome (due to alcohol content).
Mutagenic effects: No effects expected.
Sensitization: Sensitization is not expected.

Signs and symptoms: None.

Medical conditions aggravated by exposure: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Synonyms	Weight %
------------	------------	----------	----------

3. COMPOSITION/INFORMATION ON INGREDIENTS

ETHYL ALCOHOL (DENATURED)	64-17-5	>50
---------------------------	---------	-----

4. FIRST AID MEASURES

Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.
Skin contact:	In the case of skin irritation or allergic reactions see a physician.
Ingestion:	If ingested, seek medical attention immediately and show the label.
Inhalation:	Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.
Protection of first-aiders:	Wear suitable gloves and eye/face protection.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use any extinguishing media which is suitable for the surrounding fire.
Extinguishing media which must not be used for safety reasons:	None.
Special protective equipment for firefighters:	Wear self-contained breathing apparatus for fire fighting if necessary.
Specific methods:	None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation.
Environmental precautions:	No special environmental precautions required.
Methods for cleaning up:	Wipe up with absorbent material (e.g. cloth, fleece).

7. HANDLING AND STORAGE

Handling:	
Technical measures/precautions:	No special technical protective measures required.
Safe handling advice:	None under normal processing.
Storage:	
Technical measures/storage conditions:	Store per labeled instructions.
Incompatible products:	Keep away from heat and sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	ACGIH (TWA - 8hr)	ACGIH (STEL)	ACGIH (Ceiling)	Skin Absorption	OSHA (TWA - 8hr)	OSHA (Ceiling)	OSHA (STEL)
ETHYL ALCOHOL (DENATURED) (>50%) 64-17-5	1000 ppm				1000 ppm 1900 mg/m ³		

Engineering controls: Ensure adequate ventilation.

Personal protective equipment

Eye protection:	Eye and face protection recommended when manufacturing product.
Hand protection:	Protective gloves recommended when manufacturing product.
Skin and body protection	Wear suitable protective clothing. Wear suitable gloves and eye/face protection.
Respiratory protection:	None required.
Other/general protection:	None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical state: Solution
Color: Clear Colorless to light-yellow.
Odor: Alcoholic

Important Health Safety and Environmental Information

Flash point:	69.8 °F 21 °C	Boiling point/range:	No information available
pH:	Not applicable	Water solubility:	Slightly soluble

Other information

Explosivity: Unknown on product.

10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
Materials to avoid: None known
Conditions to avoid: None known.
Hazardous polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Eye contact	May cause eye irritation.	Method	Based on component data.
Skin contact	Not available.		
Ingestion	May be harmful if swallowed.		
Inhalation	May cause irritation of respiratory tract.		

Components	LD50 Oral	LD50 Dermal	LC50 (mg/m ³) Inhalation	LC50 (ppm) Inhalation
Minoxidil (1-5%) 38304-91-5	= 1321 mg/kg Rat			
Propylene Glycol (20-30%) 57-55-6	= 20000 mg/kg Rat	= 20800 mg/kg Rabbit		
ETHYL ALCOHOL (DENATURED) (>50%) 64-17-5	= 7060 mg/kg Rat			

Sub-Chronic/Chronic Toxicity

No repeat dose data available.

Specific effects

Target Organ(s)	No significant organ toxicity expected.
Reproductive effects	Not available.
Developmental effects	Not available.
Carcinogenic effects	Not expected to be carcinogenic.

Components	ACGIH	IARC	OSHA	NTP
ETHYL ALCOHOL (DENATURED) (>50%) 64-17-5		1		

Genotoxic effects Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects:	No data is available on the product itself.
Aquatic toxicity effects:	No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: disposal in accordance with local and national regulations.

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.
None.

Contaminated packaging:

14. TRANSPORT INFORMATION

DOT

DOT shipping name: Consumer Commodity
Hazard class: ORM-D

IATA/ICAO

ID/UN No.: ID8000
Proper shipping name: Consumer Commodity
Hazard class: 9
IATA - label: 9 (miscellaneous)
ERG #: ERG127

IMO/IMDG

UN/Id No.: UN1170
Proper shipping name: Ethanol Solution, Limited Quantity
Hazard class: 3 (Flammable Liquids)
Packing group: PG II
EMS No.: F-E , S-D

ADR/RID

UN/Id No.: UN 1170
Proper shipping name: Ethanol Solution , Limited Quantity
Hazard class/packing group: 3/PGII
ADR/RID-labels: 3

TDG (Canada)

UN-No: UN1170
Proper Shipping Name: Ethanol solution mixture Limited Quantity
Hazard Class: 3
Packing group: II

15. REGULATORY INFORMATION

SARA (311, 312) hazard class

Immediate health: None.
Delayed health: None.
Fire: Yes
Sudden Release of Pressure Hazard: None.
Reactivity: None.

State Regulations

Components	CAS Number	NJRTK	PARTK	MARTK	RIRTK
Propylene Glycol (20-30%)	57-55-6	Listed	Listed		Listed
ETHYL ALCOHOL (DENATURED) (>50%)	64-17-5	Listed	Listed	Listed	Listed

International Inventories

Components	TSCA	DSL	NDSL
ETHYL ALCOHOL (DENATURED) (>50%)	X	X	Not Listed

WHMIS:

Company: Johnson & Johnson
Product name: ROGAINE® MINOXIDIL 2% TOPICAL SOLUTION

Product code: JJCUSROGAINE2
Page 5 of 6

WHMIS trade secret:
WHMIS hazard class:

None.
B2 Flammable Liquids



Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s):

None.

MSDS format:

- North American Format - U.S. and Canada
- This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

Disclaimer:

The information and recommendations contained herein are based upon tests believed to be reliable. However, Johnson and Johnson does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. Johnson and Johnson assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet