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.

Principal 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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Synonyms</th>
<th>Weight %</th>
</tr>
</thead>
</table>

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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

<table>
<thead>
<tr>
<th>Components</th>
<th>ACGIH (TWA - 8hr)</th>
<th>ACGIH (STEL)</th>
<th>ACGIH (Ceiling)</th>
<th>Skin Absorption</th>
<th>OSHA (TWA - 8hr)</th>
<th>OSHA (Ceiling)</th>
<th>OSHA (STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL (DENATURED)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1000 ppm</td>
<td>1900 mg/m³</td>
<td></td>
</tr>
<tr>
<td>(&gt;50%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>64-17-5</td>
<td>1000 ppm</td>
<td></td>
<td></td>
<td></td>
<td>1000 ppm</td>
<td>1900 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

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.

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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
pH: Not applicable
Boiling point/range: No information available
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.

<table>
<thead>
<tr>
<th>Components</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 (mg/m³) Inhalation</th>
<th>LC50 (ppm) Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minoxidil (1-5%) 38304-91-5</td>
<td>= 1321 mg/kg Rat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene Glycol (20-30%) 57-55-6</td>
<td>= 20000 mg/kg Rat</td>
<td>= 20800 mg/kg Rabbit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYL ALCOHOL (DENATURED) (&gt;50%) 64-17-5</td>
<td>= 7060 mg/kg Rat</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Components</th>
<th>ACGIH</th>
<th>IARC</th>
<th>OSHA</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL (DENATURED) (&gt;50%) 64-17-5</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Contaminated packaging: None.

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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>NJRTK</th>
<th>PARTK</th>
<th>MARTK</th>
<th>RIRTK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol (20-30%)</td>
<td>57-55-6</td>
<td>Listed</td>
<td>Listed</td>
<td></td>
<td>Listed</td>
</tr>
<tr>
<td>ETHYL ALCOHOL (DENATURED) (&gt;50%)</td>
<td>64-17-5</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
</tbody>
</table>

International Inventories

<table>
<thead>
<tr>
<th>Components</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL (DENATURED) (&gt;50%)</td>
<td>X</td>
<td>X</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

WHMIS:

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Notes:
1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability 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.

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End of Safety Data Sheet