Material Safety Data Sheet

Product code: JJCUS-LIS11410-113
Revision date: 05-15-2009

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

Supplier:
Johnson and Johnson Consumer Companies, Inc.
199 Grandview Road
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: LISTERINE® WHITENING® PLUS RESTORING FLUORIDE RINSE
Product code: JJCUS-LIS11410-113
Formula: #W016142-0007
Identified use: For external use only.

2. HAZARDS IDENTIFICATION

Emergency overview: Avoid contact with eyes. May be harmful if swallowed.

Properties affecting health: This product contains ethanol which can cause liver changes, central nervous system effects, and birth defects of the developing fetus.

This material is not a controlled product under WHMIS

Principle routes of exposure:
- Eye Contact: Contact with eyes may cause irritation.
- Skin contact: No effects expected.
- Ingestion: Ingestion of larger amounts may cause depression to the central nervous system (e.g. dizziness, headache).
- Inhalation: May affect the central nervous system.

Physico-chemical properties: No hazards resulting from the material as supplied

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
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<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>LF</th>
<th>NL</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXIDE SOLUTION</td>
<td>7722-84-1</td>
<td>1-5</td>
<td></td>
</tr>
<tr>
<td>ETHYL ALCOHOL (DENATURED)</td>
<td>64-17-5</td>
<td></td>
<td>10-20</td>
</tr>
</tbody>
</table>

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 according to labeled instructions.
- Incompatible products: No special restrictions on storage with other products.

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>HYDROGEN PEROXIDE SOLUTION (1-5%) 7722-84-1</td>
<td>1 ppm</td>
<td></td>
<td></td>
<td></td>
<td>1 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYL ALCOHOL (DENATURED) (10-20%) 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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### General Information

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Clear Blue Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>Blue</td>
</tr>
<tr>
<td>Odor:</td>
<td>Mint-like</td>
</tr>
<tr>
<td>Flavor:</td>
<td>Mint Flavor</td>
</tr>
</tbody>
</table>

**Important Health Safety and Environmental Information**

<table>
<thead>
<tr>
<th>Flash point:</th>
<th>91.4 °F 33 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point/range:</td>
<td>No information available.</td>
</tr>
<tr>
<td>pH:</td>
<td>3.5</td>
</tr>
<tr>
<td>Water solubility:</td>
<td>Soluble</td>
</tr>
</tbody>
</table>

**Other information**

Explosivity: None.

### 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Chemical stability:</th>
<th>Stable under recommended storage conditions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials to avoid:</td>
<td>None known</td>
</tr>
<tr>
<td>Conditions to avoid:</td>
<td>None known.</td>
</tr>
<tr>
<td>Hazardous polymerization:</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
</tbody>
</table>
11. TOXICOLOGICAL INFORMATION

Acute toxicity

Eye contact  May cause eye irritation.  Method  Based on component data.

Skin contact  Not available.

Ingestion  Ingestion of large amounts of this material may cause dizziness, nervousness, drowsiness, lightheadedness, and gastrointestinal disturbances.

Inhalation  May cause irritation of respiratory tract.

<table>
<thead>
<tr>
<th>Components</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 (mg/m²) Inhalation</th>
<th>LC50 (ppm) Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXIDE SOLUTION (1-5%) 7722-84-1</td>
<td></td>
<td></td>
<td></td>
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<td>ETHYL ALCOHOL (DENATURED) (10-20%) 64-17-5</td>
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<td></td>
<td></td>
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</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>HYDROGEN PEROXIDE SOLUTION (1-5%) 7722-84-1</td>
<td>A3</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ETHYL ALCOHOL (DENATURED) (10-20%) 64-17-5</td>
<td></td>
<td>1</td>
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</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

Waste from residues / unused products: 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.

Contaminated packaging: None.

14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Components</th>
<th>SARA 313</th>
<th>SARA 302</th>
<th>CERCLA</th>
<th>CEPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXIDE SOLUTION</td>
<td></td>
<td></td>
<td>Listed</td>
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</tbody>
</table>

SARA (311, 312) hazard class

<table>
<thead>
<tr>
<th></th>
<th>Immediate health:</th>
<th>Delayed health:</th>
<th>Fire:</th>
<th>Sudden Release of</th>
<th>Pressure Hazard:</th>
<th>Reactivity:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>None.</td>
<td>None.</td>
<td>Yes</td>
<td>None.</td>
<td>None.</td>
<td>None.</td>
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</table>

State Regulations

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>NJR TK</th>
<th>PART K</th>
<th>MART K</th>
<th>RIRT K</th>
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</table>

International Inventories

<table>
<thead>
<tr>
<th>Components</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXIDE SOLUTION (1-5%)</td>
<td>X</td>
<td>X</td>
<td>Not Listed</td>
</tr>
<tr>
<td>ETHYL ALCOHOL (DENATURED) (10-20%)</td>
<td>X</td>
<td>X</td>
<td>Not Listed</td>
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WHMIS:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>WHMIS trade secret:</td>
<td>None.</td>
</tr>
<tr>
<td>WHMIS hazard class:</td>
<td>None.</td>
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</tbody>
</table>

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

Company: Johnson & Johnson
Product name: LISTERINE® WHITENING® PLUS RESTORING FLUORIDE RINSE
Product code: JJCUS-LIS11410-113
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