1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name: GLADE® FABRIC & AIR REFRESHER - CLEAN LINEN®

Recommended use: Speciality Cleaner

Manufacturer, importer, supplier: S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone: +18005585252
Emergency telephone number:
- 24 Hour Medical Emergency Phone: (866)231-5406
- 24 Hour International Emergency Phone: (703)527-3887
- 24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification
This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statements
Other hazards: None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>5.00 - 10.00</td>
</tr>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td>7173-51-5</td>
<td>0.10 - 1.00</td>
</tr>
</tbody>
</table>

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.
GLADE® FABRIC & AIR REFRESHER - CLEAN LINEN®

4. FIRST AID MEASURES

   Eye contact : No special requirements
   Skin contact : No special requirements
   Inhalation : No special requirements.
   Ingestion : No special requirements

5. FIREFIGHTING MEASURES

   Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
   Specific hazards during firefighting : Container may melt and leak in heat of fire.
   Further information : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

   Personal precautions : Wash thoroughly after handling.
   Environmental precautions : Outside of normal use, avoid release to the environment.
   Methods and materials for containment and cleaning up : Dike large spills.

7. HANDLING AND STORAGE

   Handling

2/11
Precautions for safe handling: Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Storage Requirements for storage areas and containers: Keep container closed when not in use.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>mg/m3</th>
<th>ppm</th>
<th>Non-standard units</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>1,900 mg/m3</td>
<td>1,000 ppm</td>
<td>-</td>
<td>OSHA TWA</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>-</td>
<td>1,000 ppm</td>
<td>-</td>
<td>ACGIH STEL</td>
</tr>
</tbody>
</table>

Personal protective equipment

- **Respiratory protection**: No special requirements.
- **Hand protection**: No special requirements.
- **Eye protection**: No special requirements.
- **Skin and body protection**: No special requirements.
- **Hygiene measures**: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Form**: liquid
GLADE® FABRIC & AIR REFRESHER - CLEAN LINEN®

Color : clear
Odor : pleasant
Odour Threshold : No data available
pH : 4.0 - 6.0

Melting point/freezing point : No data available
Initial boiling point and boiling range : No data available
Flash point : 51 °C
              123.8 °F
Evaporation rate : No data available

Flammability (solid, gas) : Does not sustain combustion.
Upper/lower flammability or explosive limits : No data available
Vapour pressure : No data available
Vapour density : No data available
Relative density : 0.9900 g/cm³ at 20 °C
Solubility(ies) : soluble
Partition coefficient: n- : No data available
octanol/water

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

Volatile Organic Compounds : 6 % - additional exemptions may apply

Total VOC (wt. %)* as defined by US Federal and State Consumer Product Regulations

Other information : None identified

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions : Stable under recommended storage conditions.

Conditions to avoid : Direct sources of heat.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.
11. TOXICOLOGICAL INFORMATION

Emergency Overview: This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Acute oral toxicity: LD50 estimated > 5,000 mg/kg

Acute inhalation toxicity: No data available

Acute dermal toxicity: LD50 estimated > 5,000 mg/kg

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
<th>Routes of entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Respiratory sensitisation</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
</tbody>
</table>
Aspiration hazard: No classification proposed

Aggravated Medical Condition: None known.

12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity: The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

<table>
<thead>
<tr>
<th>Components</th>
<th>End point</th>
<th>Species</th>
<th>Value</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>flow-through test LC50</td>
<td>Pimephales promelas (fathead minnow)</td>
<td>14,200 mg/l</td>
<td>96 h</td>
</tr>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td>semi-static test LC50</td>
<td>Danio rerio (zebra fish)</td>
<td>0.49 mg/l</td>
<td>96 h</td>
</tr>
</tbody>
</table>

Toxicity to aquatic invertebrates

<table>
<thead>
<tr>
<th>Components</th>
<th>End point</th>
<th>Species</th>
<th>Value</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>static test EC50</td>
<td>Daphnia magna (Water flea)</td>
<td>2 mg/l</td>
<td>48 h</td>
</tr>
</tbody>
</table>
**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

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**GLADE® FABRIC & AIR REFRESHER - CLEAN LINEN®**

Version 1.0  
Print Date 03/27/2015

Revision Date 03/06/2015  
SDS Number 350000013223  
GEN_SOF Number 40145

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### Toxicity to aquatic plants

<table>
<thead>
<tr>
<th>Components</th>
<th>End point Description</th>
<th>Species</th>
<th>Value</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>Static EC50</td>
<td>Chlorella vulgaris (Fresh water algae)</td>
<td>275 mg/l</td>
<td>72 h</td>
</tr>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td>static test EC50</td>
<td>Pseudokirchneriella subcapitata (microalgae)</td>
<td>0.053 mg/l</td>
<td>96 h</td>
</tr>
</tbody>
</table>

---

### Persistence and degradability

<table>
<thead>
<tr>
<th>Component</th>
<th>Biodegradation</th>
<th>Exposure time</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>97 %</td>
<td>28 d</td>
<td>Readily biodegradable</td>
</tr>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td>69 %</td>
<td>28 d</td>
<td>Readily biodegradable</td>
</tr>
</tbody>
</table>

---

### Bioaccumulative potential

<table>
<thead>
<tr>
<th>Component</th>
<th>Bioconcentration factor (BCF)</th>
<th>Partition Coefficient n-Octanol/water (log)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>3.2 estimated</td>
<td>-0.35 Measured</td>
</tr>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td>929.2</td>
<td>2.58</td>
</tr>
</tbody>
</table>
GLADE® FABRIC & AIR REFRESHER - CLEAN LINEN®

Mobility

<table>
<thead>
<tr>
<th>Component</th>
<th>End point</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td>Koc</td>
<td>667 - 24433</td>
</tr>
</tbody>
</table>

PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Component</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
</tbody>
</table>

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport
Not classified as dangerous in the meaning of transport regulations.

Sea transport
Not classified as dangerous in the meaning of transport regulations.

Air transport
Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION
GLADE® FABRIC & AIR REFRESHER - CLEAN LINEN®

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status: All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65: This product is not subject to the reporting requirements under California's Proposition 65.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>HMIS Ratings</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>2</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>
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NFPA Ratings

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Fire</td>
<td>2</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Special</td>
<td></td>
</tr>
</tbody>
</table>

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by

SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)