WINDEX® MULTI-SURFACE ANTIBACTERIAL

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name: WINDEX® MULTI-SURFACE ANTIBACTERIAL

Recommended use: Disinfectant

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>Isopropanol</td>
<td>67-63-0</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>Ethyleneglycol Monohexylether</td>
<td>112-25-4</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>Lactic Acid</td>
<td>79-33-4</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.
For additional information on product ingredients, see www.whatsinsidescjohnson.com.

### 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**: Although this product has a flash point below 200 Deg F, it is an aqueous solution containing an alcohol and does not sustain combustion. 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. In case of fire and/or explosion do not breathe fumes.

### 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

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>Isopropanol</td>
<td>67-63-0</td>
<td>980 mg/m3</td>
<td>400 ppm</td>
<td>-</td>
<td>OSHA TWA</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>-</td>
<td>400 ppm</td>
<td>-</td>
<td>ACGIH STEL</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>-</td>
<td>200 ppm</td>
<td>-</td>
<td>ACGIH TWA</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.
WINDEX® MULTI-SURFACE ANTIBACTERIAL

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Color : clear
Odor : characteristic

Odour Threshold : No data available

pH : 2.3 - 3.3

Melting point/freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point : 51 °C
123.8 °F
Method: Tag Closed Cup (TCC)

Evaporation rate : No data available

Flammability (solid, gas) : Does not sustain combustion.

Upper/lower flammability or explosive limits : No data available

Vapour pressure : similar to water

Vapour density : No data available
Relative density : 0.996 g/cm³
Solubility(ies) : completely soluble
Partition coefficient: n-octanol/water : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, dynamic : similar to water
Viscosity, kinematic : No data available
Oxidizing properties : No data available
VOC Compounds
Total VOC (wt. %)* : 3 % - additional exemptions may apply
*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: LC50 estimated > 5.59 mg/l

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</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
</tbody>
</table>
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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>Isopropanol</td>
<td>LC50</td>
<td>Pimephales promelas (fathead minnow)</td>
<td>9,640 mg/l</td>
<td>96 h</td>
</tr>
<tr>
<td>Ethyleneglycol Monohexylether</td>
<td>static test LC50</td>
<td>Pimephales promelas (fathead minnow)</td>
<td>140 mg/l</td>
<td>96 h</td>
</tr>
<tr>
<td>Lactic Acid</td>
<td>static test LC50</td>
<td>Oncorhynchus mykiss (rainbow trout)</td>
<td>100 - 180 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>Isopropanol</td>
<td>EC50</td>
<td>Daphnia magna (Water flea)</td>
<td>13,299 mg/l</td>
<td>48 h</td>
</tr>
</tbody>
</table>
Toxicity to aquatic plants

<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>Isopropanol</td>
<td>EC50</td>
<td>Desmodesmus subspicatus (green algae)</td>
<td>&gt; 1,000 mg/l</td>
<td>72 h</td>
</tr>
<tr>
<td>Ethyleneglycol Monohexylether</td>
<td>static test EC50</td>
<td>Desmodesmus subspicatus (green algae)</td>
<td>147.128 mg/l</td>
<td>96 h</td>
</tr>
<tr>
<td>Lactic Acid</td>
<td>static test EC50</td>
<td>Pseudokirchneriella subcapitata (green algae)</td>
<td>&gt; 2,800 mg/l</td>
<td>72 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>Isopropanol</td>
<td>53 %</td>
<td>5 d</td>
<td>Readily biodegradable</td>
</tr>
<tr>
<td>Ethyleneglycol Monohexylether</td>
<td>96.8 %</td>
<td>20 d</td>
<td>Readily biodegradable</td>
</tr>
<tr>
<td>Lactic Acid</td>
<td>67 %</td>
<td>20 d</td>
<td></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>
</table>
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Component | End point | Value
--- | --- | ---
Isopropanol | No data available | 
Ethylene glycol Monohexylether | Koc | 10 estimated
Lactic Acid | log Koc | < 1.32

PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Component</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
<tr>
<td>Ethylene glycol Monohexylether</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
<tr>
<td>Lactic Acid</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.
For disposal information, please read and follow Disposal instructions on the pesticide label.
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
WINDEX® MULTI-SURFACE ANTIBACTERIAL

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

**FIFRA Labeling**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION:**  
Causes slight eye irritation.

**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 does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Registration # / Agency**  
4822-549/EPA
WINDEX® MULTI-SURFACE ANTIBACTERIAL

Version 1.2  Print Date 03/04/2015
Revision Date 02/25/2015  SDS Number 350000004960

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>

<table>
<thead>
<tr>
<th>NFPA Ratings</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)