

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



# WINDEX® MULTISURFACE CLEANER VINEGAR

Version 1.1

Print Date 07/15/2015

Revision Date 02/25/2015

SDS Number 350000017346

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

**Product name** : WINDEX® MULTISURFACE CLEANER VINEGAR

**Recommended use** : Hard Surface 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

| Chemical Name                 | CAS-No.  | Weight percent |
|-------------------------------|----------|----------------|
| Ethyleneglycol Monohexylether | 112-25-4 | 1.00 - 5.00    |
| Lactic Acid                   | 79-33-4  | 0.0001 - 0.10  |

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](http://www.whatsinsidescjohnson.com).

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## 4. FIRST AID MEASURES

- |                     |                            |
|---------------------|----------------------------|
| <b>Eye contact</b>  | : No special requirements  |
| <b>Skin contact</b> | : No special requirements  |
| <b>Inhalation</b>   | : No special requirements. |
| <b>Ingestion</b>    | : No special requirements  |

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## 5. FIREFIGHTING MEASURES

- |                                             |                                                                                                                                                                                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>         | : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.                                                                                                                      |
| <b>Specific hazards during firefighting</b> | : Container may melt and leak in heat of fire.                                                                                                                                                  |
| <b>Further information</b>                  | : 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. |

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## 6. ACCIDENTAL RELEASE MEASURES

- |                                                              |                                                            |
|--------------------------------------------------------------|------------------------------------------------------------|
| <b>Personal precautions</b>                                  | : Wash thoroughly after handling.                          |
| <b>Environmental precautions</b>                             | : Outside of normal use, avoid release to the environment. |
| <b>Methods and materials for containment and cleaning up</b> | : Dike large spills.<br>Clean residue from spill site.     |

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## 7. HANDLING AND STORAGE

- |                             |                                               |
|-----------------------------|-----------------------------------------------|
| <b>Handling</b>             |                                               |
| <b>Precautions for safe</b> | : Avoid contact with skin, eyes and clothing. |

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### handling

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

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

### 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

### Color

: colourless transparent

### Odor

: pleasant

### Odour Threshold

: No data available

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|                                                     |                                                       |
|-----------------------------------------------------|-------------------------------------------------------|
| <b>pH</b>                                           | : 3.3                                                 |
| <b>Melting point/freezing point</b>                 | : No data available                                   |
| <b>Initial boiling point and boiling range</b>      | : No data available                                   |
| <b>Flash point</b>                                  | : > 95 °C<br>> 203 °F<br>Method: Tag Closed Cup (TCC) |
| <b>Evaporation rate</b>                             | : No data available                                   |
| <b>Flammability (solid, gas)</b>                    | : No data available                                   |
| <b>Upper/lower flammability or explosive limits</b> | : No data available                                   |
| <b>Vapour pressure</b>                              | : No data available                                   |
| <b>Vapour density</b>                               | : No data available                                   |
| <b>Relative density</b>                             | : 1.0 g/ml at 25 °C                                   |
| <b>Solubility(ies)</b>                              | : completely soluble                                  |
| <b>Partition coefficient: n-octanol/water</b>       | : No data available                                   |
| <b>Auto-ignition temperature</b>                    | : No data available                                   |
| <b>Decomposition temperature</b>                    | : No data available                                   |

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|                                                  |                                                                                                               |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---|
| Viscosity, dynamic                               | : No data available                                                                                           |   |
| Viscosity, kinematic                             | : No data available                                                                                           |   |
| Oxidizing properties                             | : No data available                                                                                           |   |
| Volatile Organic Compounds<br>Total VOC (wt. %)* | : 0.5 % - additional exemptions may apply<br>*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             | : None known.                                                                |
| 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<br>estimated<br>> 5,050 mg/kg                                                                                            |

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**Acute inhalation toxicity** : LC50  
estimated  
> 2.58 mg/l

**Acute dermal toxicity** : LD50  
estimated  
> 5,050 mg/kg

| GHS Properties                                     | Classification             | Routes of entry |
|----------------------------------------------------|----------------------------|-----------------|
| Acute toxicity                                     | No classification proposed | -               |
| Skin corrosion/irritation                          | No classification proposed | -               |
| Serious eye damage/eye irritation                  | No classification proposed | -               |
| Skin sensitisation                                 | No classification proposed | -               |
| Respiratory sensitisation                          | No classification proposed | -               |
| Germ cell mutagenicity                             | No classification proposed | -               |
| Carcinogenicity                                    | No classification proposed | -               |
| Reproductive toxicity                              | No classification proposed | -               |
| Specific target organ toxicity - single exposure   | No classification proposed | -               |
| Specific target organ toxicity - repeated exposure | No classification proposed | -               |
| Aspiration hazard                                  | No classification proposed | -               |

**Aggravated Medical Condition** : None known.

## 12. ECOLOGICAL INFORMATION

**Product** : The product itself has not been tested.

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**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**

| Components                    | End point        | Species                              | Value          | Exposure time |
|-------------------------------|------------------|--------------------------------------|----------------|---------------|
| Ethyleneglycol Monohexylether | static test LC50 | Pimephales promelas (fathead minnow) | 140 mg/l       | 96 h          |
| Lactic Acid                   | static test LC50 | Oncorhynchus mykiss (rainbow trout)  | 100 - 180 mg/l | 96 h          |

**Toxicity to aquatic invertebrates**

| Components                    | End point        | Species                    | Value    | Exposure time |
|-------------------------------|------------------|----------------------------|----------|---------------|
| Ethyleneglycol Monohexylether | static test EC50 | Daphnia magna (Water flea) | 145 mg/l | 48 h          |
| Lactic Acid                   | static test EC50 | Daphnia magna (Water flea) | 130 mg/l | 48 h          |

**Toxicity to aquatic plants**

| Components                    | End point        | Species                                       | Value        | Exposure time |
|-------------------------------|------------------|-----------------------------------------------|--------------|---------------|
| Ethyleneglycol Monohexylether | static test EC50 | Desmodesmus subspicatus (green algae)         | 147.128 mg/l | 96 h          |
| Lactic Acid                   | static test EC50 | Pseudokirchneriella subcapitata (green algae) | > 2,800 mg/l | 72 h          |

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|  |  |  |  |  |
|--|--|--|--|--|

### Persistence and degradability

| Component                     | Biodegradation | Exposure time | Summary               |
|-------------------------------|----------------|---------------|-----------------------|
| Ethyleneglycol Monohexylether | 96.8 %         | 20 d          | Readily biodegradable |
| Lactic Acid                   | 67 %           | 20 d          |                       |

### Bioaccumulative potential

| Component                     | Bioconcentration factor (BCF) | Partition Coefficient n-Octanol/water (log) |
|-------------------------------|-------------------------------|---------------------------------------------|
| Ethyleneglycol Monohexylether | 5.8 estimated                 | 1.97                                        |
| Lactic Acid                   | No data available             | -0.62                                       |

### Mobility

| Component                     | End point | Value        |
|-------------------------------|-----------|--------------|
| Ethyleneglycol Monohexylether | Koc       | 10 estimated |
| Lactic Acid                   | log Koc   | < 1.32       |

### PBT and vPvB assessment

| Component                     | Results                              |
|-------------------------------|--------------------------------------|
| Ethyleneglycol Monohexylether | Not fulfilling PBT and vPvB criteria |
| Lactic Acid                   | Not fulfilling PBT and vPvB criteria |

**Other adverse effects** : None known.

## 13. DISPOSAL CONSIDERATIONS

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

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## 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.

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## 15. REGULATORY INFORMATION

- |                            |   |                                                                                                                                                       |
|----------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notification status</b> | : | All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. |
| <b>Notification status</b> | : | All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).      |
| <b>California Prop. 65</b> | : | This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.              |

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## 16. OTHER INFORMATION

### HMIS Ratings

|              |   |
|--------------|---|
| Health       | 0 |
| Flammability | 1 |
| Reactivity   | 0 |

### NFPA Ratings

|            |   |
|------------|---|
| Health     | 0 |
| Fire       | 1 |
| Reactivity | 0 |
| Special    | - |

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) |
|-------------|------------------------------------------------------------------|