

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® MULTI-SURFACE CLEANER - VINEGAR

Version 1.0

Print Date 06/20/2017

Revision Date 05/24/2017

SDS Number 350000017346

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : WINDEX® MULTI-SURFACE CLEANER - VINEGAR

Recommended use : Experimental FormulaHard Surface Cleaner

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Telephone : +1-800-558-5566

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647
24 Hour Canadian Transport Emergency Phone (CANUTEC)
(613) 996-6666

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 the Canadian Hazardous Products Regulation

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by Canadian Hazardous Products Regulation are listed in this table.

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| Chemical name | CAS-No. | Weight percent |
|-------------------------------|----------|----------------|
| Ethyleneglycol Monohexylether | 112-25-4 | 1.00 - 1.50 |
| 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.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Eyes : No adverse effects expected when used as directed.

Skin effect : No adverse effects expected when used as directed.

Inhalation : May cause respiratory tract irritation.

Ingestion : No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

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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.
Clean residue from spill site.

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.

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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

Odour : pleasant
vinegar-like

Odour Threshold : Test not applicable for this product type

pH : 3.3

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| | |
|---|---|
| Melting point/freezing point | : 0 C |
| Initial boiling point and boiling range | : Test not applicable for this product type |
| Flash point | : > 95 °C > 203 °F Method: Tag Closed Cup (TCC) |
| Evaporation rate | : Test not applicable for this product type |
| Flammability (solid, gas) | : Test not applicable for this product type |
| Upper/lower flammability or explosive limits | : Test not applicable for this product type |
| Vapour pressure | : Test not applicable for this product type |
| Vapour density | : No data available |
| Relative density | : 1.0 g/ml at 25 °C |
| Solubility(ies) | : completely soluble |
| Partition coefficient: n-octanol/water | : Test not applicable for this product type |
| Auto-ignition temperature | : Test not applicable for this product type |
| Decomposition temperature | : Test not applicable for this product type |

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| | | | |
|--|---|---|---|
| Viscosity, dynamic | : | Test not applicable for this product type | : |
| Viscosity, kinematic | : | Test not applicable for this product type | : |
| Oxidizing properties | : | Test not applicable for this product type | : |
| Volatile Organic Compounds Total VOC (wt. %)* | : | 0.5 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations | : |
| Other information | : | None identified | : |

10. STABILITY AND REACTIVITY

| | | |
|---|---|--|
| Reactivity | : | Do not mix with bleach or any other household cleaners. |
| Chemical stability | : | Stable under recommended storage conditions. |
| 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. |

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

| GHS Properties | Classification | Routes of entry |
|--|----------------------------|----------------------------|
| Acute toxicity | No classification proposed | Oral |
| Acute toxicity | No classification proposed | Dermal |
| Acute toxicity | No classification proposed | Inhalation - Dust and Mist |
| Acute toxicity | No classification proposed | Inhalation - Vapour |
| Acute toxicity | No classification proposed | Inhalation - Gas |
| 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 | - |

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| | | |
|--|----------------------------|---|
| 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.

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 |
|------------------------------|------------------|--------------------------------------|----------------|---------------|
| Ethleneglycol 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 |
|------------------------------|------------------|----------------------------|----------|---------------|
| Ethleneglycol Monohexylether | static test EC50 | Daphnia magna (Water flea) | 145 mg/l | 48 h |

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

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 |

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PBT and vPvB assessment

| Component | Results |
|------------------------------|--------------------------------------|
| Ethleneglycol 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.

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

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.

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- 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.
- Canada Regulations** : This product has been classified in accordance with the hazard criteria of the Hazardous Products Act and Regulations.

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 Canada's Workplace Hazard Material Information System. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

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| Prepared by | SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA) |
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