

# Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



## WINDEX® CRYSTAL RAIN™

Version 1.

Print Date 02/27/2009

Revision Date 02/23/2009

MSDS Number 350000004948

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : WINDEX® CRYSTAL RAIN™

Use of the  
Substance/Preparation  
Company : Hard Surface Cleaner  
: S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

Emergency telephone : 24 Hour Transport & Medical Emergency Phone (866) 231-5406  
24 Hour International Emergency Phone (952) 852-4647

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance / Odor : blue / liquid / pleasant

**Immediate Concerns** : Avoid contact with skin, eyes and clothing.

#### Potential Health Effects

Routes of exposure : Eye, Skin, Inhalation, Ingestion.

Eyes : No adverse effects expected when used as directed.

Skin : No adverse effects expected when used as directed.

Inhalation : No adverse effects expected when used as directed.

Ingestion : No adverse effects expected when used as directed.

Aggravated Medical  
Condition : None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                    | CAS-No.   | Weight %       |
|----------------------------------|-----------|----------------|
| Water                            | 7732-18-5 | 60.00 - 100.00 |
| Isopropanol                      | 67-63-0   | 1.00 - 5.00    |
| Ethyleneglycol<br>Monohexylether | 112-25-4  | 0.10 - 1.00    |

### 4. FIRST AID MEASURES

Eye contact : Rinse with plenty of water. Get medical attention if irritation

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|              |                                                                                             |
|--------------|---------------------------------------------------------------------------------------------|
|              | develops and persists.                                                                      |
| Skin contact | : Wash off with soap and water. Get medical attention if irritation develops and persists.  |
| Inhalation   | : Remove to fresh air.                                                                      |
| Ingestion    | : Never give anything by mouth to an unconscious person. Get medical attention immediately. |

### 5. FIRE-FIGHTING MEASURES

|                                       |                                                                                                                                                                                                                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media          | : Alcohol foam, carbon dioxide, dry chemical, water fog                                                                                                                                                                                                                    |
| Specific hazards during fire fighting | : 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. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus. |
| Flash point                           | : estimated 134 °F<br>Method: Tag Closed Cup (TCC)                                                                                                                                                                                                                         |
| Flash point                           | : estimated 57 °C<br>Method: Tag Closed Cup (TCC)                                                                                                                                                                                                                          |
| Lower explosion limit                 | : Note: no data available                                                                                                                                                                                                                                                  |
| Upper explosion limit                 | : Note: no data available                                                                                                                                                                                                                                                  |

### 6. ACCIDENTAL RELEASE MEASURES

|                         |                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions    | : Remove all sources of ignition.                                                                                            |
| Methods for cleaning up | : Soak up with inert absorbent material.<br>Sweep up and shovel into suitable containers for disposal.<br>Dike large spills. |

### 7. HANDLING AND STORAGE

#### Handling

|                         |                                           |
|-------------------------|-------------------------------------------|
| Advice on safe handling | : KEEP OUT OF REACH OF CHILDREN AND PETS. |
|-------------------------|-------------------------------------------|

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Use only as directed.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

### Storage

Requirements for storage areas and containers : Keep container closed when not in use.  
Keep in a dry, cool and well-ventilated place.  
Do not freeze.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

| Components  | CAS-No. | mg/m3     | ppm     | Basis      |
|-------------|---------|-----------|---------|------------|
| Isopropanol | 67-63-0 | -         | 400 ppm | ACGIH STEL |
| Isopropanol | 67-63-0 | -         | 200 ppm | ACGIH TWA  |
| Isopropanol | 67-63-0 | 980 mg/m3 | 400 ppm | OSHA TWA   |

### Personal protective equipment

#### Respiratory protection

Industrial setting : No personal respiratory protective equipment normally required.

Household setting : No personal respiratory protective equipment normally required.

#### Hand protection

Industrial setting : not required under normal use

Household setting : not required under normal use

#### Eye protection

Industrial setting : No special requirements.

Household setting : No special requirements.

**Hygiene measures** : Use only with adequate ventilation. Wash thoroughly after handling. Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection. Wear suitable protective clothing.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| Form                                   | : liquid                                           |
| Color                                  | : blue                                             |
| Odor                                   | : pleasant                                         |
| pH                                     | : 10.5 - 11.5                                      |
| Boiling point                          | : no data available                                |
| Freezing point                         | : no data available                                |
| Flash point                            | : estimated 134 °F<br>Method: Tag Closed Cup (TCC) |
| Flash point                            | : estimated 57 °C<br>Method: Tag Closed Cup (TCC)  |
| Evaporation rate                       | : no data available                                |
| Autoignition temperature               | : no data available                                |
| Lower explosion limit                  | : no data available                                |
| Upper explosion limit                  | : no data available                                |
| Vapour pressure                        | : similar to water                                 |
| Water solubility                       | : completely soluble                               |
| Partition coefficient: n-octanol/water | : no data available                                |
| Specific Gravity                       | : 1.00 estimated                                   |
| Percent volatile                       | : not determined                                   |

### 10. STABILITY AND REACTIVITY

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| Conditions to avoid              | : None known.                                                   |
| Materials to avoid               | : Strong oxidizing agents                                       |
| Hazardous decomposition products | : When exposed to fire, produces normal products of combustion. |

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Hazardous reactions : Stable

### 11. TOXICOLOGICAL INFORMATION

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

Acute inhalation toxicity : LC50 rat  
Dose: 2.58 mg/l

Acute dermal toxicity : LD50 rabbit  
Dose: 5,000 mg/kg

#### Chronic effects

Carcinogenicity : no data available

Mutagenicity : no data available

Reproductive effects : no data available

Teratogenicity : no data available

Sensitisation : Not known to be a sensitizer.

### 12. ECOLOGICAL INFORMATION

Ecotoxicity effects : Not Available

### 13. DISPOSAL CONSIDERATIONS

Industrial setting : Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.

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

### 14. TRANSPORT INFORMATION

Land transport

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### U.S. DOT and Canadian TDG Surface Transportation:

|                      |                            |
|----------------------|----------------------------|
| NA number            | 1993                       |
| Proper shipping name | Combustible Liquid, N.O.S. |
| Class:               | Combustible liquid         |
| Packaging group:     | III                        |

Note: SC Johnson ships this product as "Non-Regulated" per DOT exception for Combustible Liquids. (49 CFR 173.150)

### Sea transport

#### IMDG:

|                      |               |
|----------------------|---------------|
| UN-Number:           | None.         |
| Packaging group:     | None.         |
| Proper shipping name | not regulated |
| Class:               | None.         |

### Air transport

#### ICAO/IATA:

|                      |               |
|----------------------|---------------|
| Class:               | None.         |
| Packaging group:     | None.         |
| Proper shipping name | not regulated |
| UN/ID No.:           | None.         |

## 15. REGULATORY INFORMATION

### Global Chemical Inventories

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.

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

## 16. OTHER INFORMATION

### HMIS Ratings

|        |   |
|--------|---|
| Health | 0 |
|--------|---|

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|              |   |
|--------------|---|
| Flammability | 2 |
| Reactivity   | 0 |

### NFPA Ratings

|            |   |
|------------|---|
| Health     | 0 |
| Fire       | 2 |
| Reactivity | 0 |
| Special    |   |

### Further information

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