

Material Safety Data Sheet

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



WINDEX® ANTIBACTERIAL DISINFECTANT MULTI-SURFACE CLEANER

Version 1.

Print Date 04/23/2009

Revision Date 08/25/2008

MSDS Number 350000004960

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : WINDEX® ANTIBACTERIAL DISINFECTANT MULTI-SURFACE CLEANER

Use of the Substance/Preparation : Disinfectant

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

Emergency telephone : 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

Emergency Overview

Appearance / Odor : clear / liquid / characteristic

Immediate Concerns

: Caution
Avoid contact with skin, eyes and clothing.

Potential Health Effects

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

Eyes : May cause:
Mild eye irritation

Skin : Prolonged or repeated contact may dry skin and cause irritation.

Inhalation : None known.

Ingestion : None known.

Aggravated Medical Condition : None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

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Monohexylether		
Lactic Acid	79-33-4	0.18

4. FIRST AID MEASURES

- Eye contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation develops and persists.
- Skin contact : Wash off with soap and water.
- Inhalation : Remove to fresh air. If breathing is affected, get medical attention.
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Drink 1 or 2 glasses of water. 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 : 124 °F
Method: Tag Closed Cup (TCC)
- Flash point : 51 °C
Method: Tag Closed Cup (TCC)
- 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.

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Sweep up and shovel into suitable containers for disposal.
Dike large spills.

7. HANDLING AND STORAGE

Handling

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

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Basis
Isopropanol	67-63-0		400 ppm	ACGIH_STEL
			200 ppm	ACGIH_TWAS
		1,230 mg/m3	500 ppm	CA-AB_STEL
		983 mg/m3	400 ppm	CA-AB_TWAS
			400 ppm	CA-BC_STEL
			200 ppm	CA-BC_TWAS
		1,230 mg/m3	500 ppm	CA-NB_STEL
		983 mg/m3	400 ppm	CA-NB_TWAS
			400 ppm	CA-NS_STEL
			200 ppm	CA-NS_TWAS
		1,228 mg/m3	500 ppm	CA-NT_STEL
		983 mg/m3	400 ppm	CA-NT_TWAS
		1,228 mg/m3	500 ppm	CA-NU_STEL
		983 mg/m3	400 ppm	CA-NU_TWAS
			400 ppm	CA-ON_STEV
			200 ppm	CA-ON_TWAE
		1,230 mg/m3	500 ppm	CA-QC_STEV
		1,225 mg/m3	500 ppm	CA-YK_STEL
		980 mg/m3	400 ppm	CA-YK_TWAS
		1,225 mg/m3	500 ppm	NIOSH_STEL

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		980 mg/m ³	400 ppm	NIOSH_TWAS
			400 ppm	CA-MB_STEL
			200 ppm	CA-MB_TWAS
		983 mg/m ³	400 ppm	CA-QC_TWAE
			400 ppm	CA-SK_STEL
			200 ppm	CA-SK_TWAS
		983 mg/m ³	400 ppm	GCC_OELTWA
			2,000 ppm	NIOSH_IDLH

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : not required under normal use
- Eye protection : 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : liquid
- Color : clear
- Odor : characteristic
- pH : 2.3 - 3.3
- Boiling point : no data available
- Flash point : 124 °F
Method: Tag Closed Cup (TCC)
- Flash point : 51 °C
Method: Tag Closed Cup (TCC)

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Evaporation rate	:	no data available
Autoignition temperature	:	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

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Do not mix with oxidizing agents. Do not mix with bleach or any other household cleaners.
Hazardous decomposition products	:	When exposed to fire, produces normal products of combustion.
Hazardous reactions	:	Stable

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 rat Dose: > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 rat Dose: > 5.59 mg/l
Acute dermal toxicity	:	LD50 rabbit Dose: > 5,000 mg/kg no data available
Chronic effects		
Carcinogenicity	:	no data available
Mutagenicity	:	no data available
Reproductive effects	:	no data available

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Teratogenicity : no data available

Sensitisation : no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects : Not Available

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Land transport

▪ **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.

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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.
- : 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, or any other reproductive defects.
- : This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

EPA Registration Number : 4822-549

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	2
Reactivity	0

NFPA Ratings

Health	1
Fire	2

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Reactivity	0
Special	

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)
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