

## Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



# GLADE® ULTRA CONCENTRATED AIR FRESHENER (CLEAN LINEN®)

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000012613GEN\_SOF  
Number 55578

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

**Product name** : GLADE® ULTRA CONCENTRATED AIR FRESHENER (CLEAN LINEN®)

**Recommended use** : Air Freshener

**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

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 1	Extremely flammable aerosol.
Gases under pressure	Compressed gas	Contains gas under pressure; may explode if heated.

### Labelling

#### Hazard symbols

Flame  
Exclamation mark

#### Signal word

Danger

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#### Hazard statements

Extremely flammable aerosol.  
Causes eye irritation.  
May cause an allergic skin reaction.

#### Precautionary statements

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Specific treatment (see supplemental first aid instructions on this label).  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/ attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/ attention.  
Wash contaminated clothing before reuse.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
Dispose of contents/ container to an approved incineration plant.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Wear protective gloves.  
Avoid breathing spray.  
Wash hands thoroughly after handling.  
Contaminated work clothing should not be allowed out of the workplace.

**Other hazards** : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.  
Excessive exposure to spray mist, fog or vapour may cause respiratory irritation.

### 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.

Chemical name	CAS-No.	Weight percent
Ethyl alcohol	64-17-5	30.00 - 40.00

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Propane	74-98-6	13.00 - 30.00
Butane	106-97-8	13.00 - 30.00
Isobutane	75-28-5	10.00 - 13.00
Dipropylene glycol	25265-71-8	1.50 - 3.00

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).

#### 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** : May irritate eyes.

**Skin effect** : No adverse effects expected when used as directed.  
May cause skin irritation.

**Inhalation** : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.  
Excessive exposure to spray mist, fog or vapour may cause respiratory irritation.

**Ingestion** : No adverse effects expected when used as directed.

##### Indication of any immediate medical attention and special treatment needed

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See Description of first aid measures unless otherwise stated.

## 5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Aerosol Product - Containers may rocket or explode in heat of fire.
- Further information** : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. 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** : Remove all sources of ignition.  
Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : If damage occurs to aerosol can:  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Use only non-sparking equipment.  
Dike large spills.  
Clean residue from spill site.

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## 7. HANDLING AND STORAGE

### Handling

#### Precautions for safe handling

: Avoid contact with skin, eyes and clothing.  
For personal protection see section 8.  
Note: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. For more information visit [www.inhalant.org](http://www.inhalant.org).  
Use only as directed.  
**KEEP OUT OF REACH OF CHILDREN AND PETS.**  
Pressurized container.  
Do not pierce or burn, even after use.

#### Advice on protection against fire and explosion

: Keep away from sources of ignition - No smoking.  
Do not spray on an open flame or other ignition source.

### Storage

#### Requirements for storage areas and containers

: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
Keep in a dry, cool and well-ventilated place.  
Protect from sunlight.  
Store in a well-ventilated place.

#### Other data

: Stable under recommended storage conditions.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Ethyl alcohol	64-17-5	-	1,000 ppm	-	ACGIH STEL
Propane	74-98-6	-	-	-	ACGIH TWA
Butane	106-97-8	-	1,000 ppm	-	ACGIH STEL
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH STEL

### 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

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<b>Form</b>	: aerosol
<b>Color</b>	: blue colourless
<b>Odour</b>	: Functional
<b>Odour Threshold</b>	: Test not applicable for this product type
<b>pH</b>	: Test not applicable for this product type
<b>Melting point/freezing point</b>	: Test not applicable for this product type
<b>Initial boiling point and boiling range</b>	: Test not applicable for this product type
<b>Flash point</b>	: < -7 C < 19.4 °F Propellant liquid
<b>Evaporation rate</b>	: Test not applicable for this product type
<b>Flammability (solid, gas)</b>	: Sustains combustion
<b>Upper/lower flammability or explosive limits</b>	: Test not applicable for this product type
<b>Vapour pressure</b>	: Test not applicable for this product type
<b>Vapour density</b>	: Test not applicable for this product type
<b>Relative density</b>	: 0.682 g/cm <sup>3</sup> at 20 °C estimated

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<b>Solubility(ies)</b>	:	partly miscible	:
<b>Partition coefficient: n-octanol/water</b>	:	Test not applicable for this product type	:
<b>Auto-ignition temperature</b>	:	not auto-flammable	:
<b>Decomposition temperature</b>	:	Test not applicable for this product type	:
<b>Viscosity, dynamic</b>	:	Test not applicable for this product type	:
<b>Viscosity, kinematic</b>	:	Test not applicable for this product type	:
<b>Oxidizing properties</b>	:	Test not applicable for this product type	:
<b>Volatile Organic Compounds Total VOC (wt. %)*</b>	:	93.5 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	:
<b>Other information</b>	:	None identified	:

#### 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	:	No dangerous reaction known under conditions of normal use.	:
<b>Chemical stability</b>	:	Stable under recommended storage conditions.	:
<b>Possibility of hazardous</b>	:	Stable under recommended storage conditions.	:



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#### reactions

**Conditions to avoid** : Heat, flames and sparks.

**Incompatible materials** : Strong oxidizing agents

**Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

#### 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity** : LD50 > 2000 mg/kg

**Acute inhalation toxicity** : LC50 > 5 mg/L

**Acute dermal toxicity** : LD50 > 2000 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	-
Eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-

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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.

### 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
Ethyl alcohol	LC50	Fish	11,200 mg/l	96 h

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Propane	LC50	Fish	27.98 mg/l	96 h
Butane	LC50 QSAR	Fish	27.98 mg/l	96 h
Isobutane	LC50 QSAR	Fish	27.98 mg/l	96 h
Dipropylene glycol	static test LC50 Read- across (Analogy)	Pimephales promelas (fathead minnow)	46,500 mg/l	96 h

#### Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Ethyl alcohol	static test LC50	Ceriodaphnia dubia	5,012 mg/l	48 h
	NOEC	Daphnia magna	9.6 mg/l	9 d
Propane	LC50	Daphnid	14.22 mg/l	48 h

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Butane	No data available			
Isobutane	LC50 QSAR	Daphnid	16.33 mg/l	48 h
Dipropylene glycol	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h

#### Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Ethyl alcohol	Static EC50	Chlorella vulgaris (Fresh water algae)	275 mg/l	72 h
Propane	No data available			
Butane	EC50 QSAR	Green algae	7.71 mg/l	96 h
Isobutane	EC50 QSAR	Green algae	8.57 mg/l	96 h
Dipropylene glycol	EC50	Desmodesmus subspicatus (green algae)	> 100 mg/l	72 h

#### Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Ethyl alcohol	97 %	28 d	Readily biodegradable.
Propane	70 %	< 10 d	Readily biodegradable.

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Butane	100 %	385.5 h	Readily biodegradable.
Isobutane	70 %	< 10 d	Readily biodegradable.
Dipropylene glycol	84.4 %	28 d	Readily biodegradable.

#### Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Ethyl alcohol	3.2 estimated	-0.35 Measured
Propane	No data available	2.36
Butane	No data available	2.89
Isobutane	1.57 - 1.97	2.8
Dipropylene glycol	0.3 - 1.4	-0.462

#### Mobility

Component	End point	Value
Ethyl alcohol	No data available	
Propane	No data available	
Butane	No data available	
Isobutane	No data available	
Dipropylene glycol	No data available	

#### PBT and vPvB assessment

Component	Results
Ethyl alcohol	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
Butane	Not fulfilling PBT and vPvB criteria
Isobutane	Not fulfilling PBT and vPvB criteria
Dipropylene glycol	Not fulfilling PBT and vPvB criteria

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**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.

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	Land transport	Sea transport	Air transport
<b>UN number</b>	1950	1950	1950
<b>UN proper shipping name</b>	AEROSOLS, Flammable	AEROSOLS, Flammable	AEROSOLS, Flammable
<b>Transport hazard class(es)</b>	2.1	2	2.1
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	-	-	-
<b>Special precautions for user</b>	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

#### 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.

**Notification status** : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

**Canada Regulations** : This product has been classified in accordance with the hazard

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criteria of the Hazardous Products Act and Regulations.

#### 16. OTHER INFORMATION

##### HMIS Ratings

Health	2
Flammability	4
Reactivity	0

##### NFPA Ratings

Health	2
Fire	4
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

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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