

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**GLADE® SENSE & SPRAY® - CLEAR SPRINGS®**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000013190

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product information**

- Product name** : **GLADE® SENSE & SPRAY® - CLEAR SPRINGS®**
- Recommended use** : Air Freshener
- 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**

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 1	Extremely flammable aerosol.
Reproductive toxicity	Category 2	Suspected of damaging fertility or the unborn child.
Gases under pressure	Liquefied gas	Contains gas under pressure; may explode if heated.

**Labelling**

**Hazard symbols**

- Flame
- Gas cylinder
- Health hazard

**Signal word**

Danger

**Hazard statements**

- Extremely flammable aerosol.
- Contains gas under pressure; may explode if heated.
- Suspected of damaging fertility or the unborn child.

**Precautionary statements**

If medical advice is needed, have product container or label at hand.

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Keep out of reach of children.  
Read label before use.  
IF exposed or concerned: Get medical advice/ attention.  
Store locked up.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
Protect from sunlight. Store in a well-ventilated place.  
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.  
Do not pierce or burn, even after use.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Isobutane	75-28-5	30.00 - 60.00
Ethyl alcohol	64-17-5	10.00 - 30.00
Propane	74-98-6	10.00 - 30.00
Triethylene glycol	112-27-6	5.00 - 10.00
Dipropylene glycol	25265-71-8	1.00 - 5.00
Fragrance - Trade Secret	Mixture	1.00 - 5.00

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

**Eye contact** : No special requirements

**Skin contact** : IF exposed or concerned: Get medical advice/ attention.

**Inhalation** : No special requirements.

**Ingestion** : No special requirements

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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** : Do not use a solid water stream as it may scatter and spread fire. 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.
- NFPA Classification** : NFPA Level 3 Aerosol

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**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Remove all sources of ignition.  
Obtain special instructions before use.  
Wear protective gloves/ eye protection/ face protection.  
Wash thoroughly after handling.  
Avoid contact during pregnancy/ while nursing.
- 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**
- 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.

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**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.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH STEL
Ethyl alcohol	64-17-5	1,900 mg/m3	1,000 ppm	-	OSHA TWA
Ethyl alcohol	64-17-5	-	1,000 ppm	-	ACGIH STEL
Propane	74-98-6	-	1,000 ppm	-	ACGIH TWA
Propane	74-98-6	1,800 mg/m3	1,000 ppm	-	OSHA TWA

**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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**Form** : aerosol  
compressed liquefied gas

**Color** : colourless

**Odor** : pleasant

**Odour Threshold** : No data available

**pH** : Not applicable

**Melting point/freezing point** :  
**Initial boiling point and** : No data available  
**boiling range**

**Flash point** : < -7 °C  
< 19.4 °F  
Propellant

**Evaporation rate** : No data available

**Flammability (solid, gas)** : Sustains combustion

**Upper/lower flammability or** : No data available  
**explosive limits**

**Vapour pressure** : No data available

**Vapour density** : No data available

**Relative density** : No data available

**Solubility(ies)** : negligible

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**Partition coefficient: n-octanol/water** : No data available

**Auto-ignition temperature** : No data available

**Decomposition temperature** : No data available

**Viscosity, dynamic** : No data available

**Viscosity, kinematic** : No data available

**Oxidizing properties** : No data available

**Other information** : None identified :

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**10. STABILITY AND REACTIVITY**

**Possibility of hazardous reactions** : Stable under recommended storage conditions.

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

**Incompatible materials** : None.

**Incompatible materials** : Strong oxidizing agents

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

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**11. TOXICOLOGICAL INFORMATION**

**Emergency Overview** : Danger

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**Acute oral toxicity** : No data available

**Acute inhalation toxicity** : No data available

**Acute dermal toxicity** : No data available

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	Category 2	-
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**

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Components	End point	Species	Value	Exposure time
Isobutane	LC50	Fish	27.98 mg/l	96 h
Ethyl alcohol	flow-through test LC50	Pimephales promelas (fathead minnow)	14,200 mg/l	96 h
Propane	LC50	Fish	27.98 mg/l	96 h
Triethylene glycol	static test LC50	Lepomis macrochirus	10,000 mg/l	96 h
Dipropylene glycol	static test LC50 Read-across (Analogy)	Pimephales promelas (fathead minnow)	46,500 mg/l	96 h
Fragrance - Trade Secret	No data available			

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Isobutane	LC50	Daphnid	16.33 mg/l	48 h
Ethyl alcohol	static test EC50	Daphnia magna (Water flea)		48 h

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			2 mg/l	
	NOEC	Daphnia magna	9.6 mg/l	9 d
Propane	LC50	Daphnid	14.22 mg/l	48 h
Triethylene glycol	static test EC50	Daphnia magna (Water flea)	> 10,000 mg/l	48 h
Dipropylene glycol	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
Fragrance - Trade Secret	No data available			

**Toxicity to aquatic plants**

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

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**Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Isobutane	70 %	< 10 d	Readily biodegradable
Ethyl alcohol	97 %	28 d	Readily biodegradable
Propane	70 %	< 10 d	Readily biodegradable
Triethylene glycol	No data available		
Dipropylene glycol	84.4 %	28 d	Readily biodegradable
Fragrance - Trade Secret	No data available		

**Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Isobutane	1.57 - 1.97	2.8
Ethyl alcohol	3.2 estimated	-0.35 Measured
Propane	No data available	2.36
Triethylene glycol	No data available	-1.75
Dipropylene glycol	0.3 - 1.4	-0.462
Fragrance - Trade Secret	No data available	No data available

**Mobility**

Component	End point	Value
Isobutane	No data available	
Ethyl alcohol	No data available	
Propane	No data available	
Triethylene glycol	log Koc	1
Dipropylene glycol	No data available	
Fragrance - Trade Secret	No data available	

**PBT and vPvB assessment**

Component	Results
Isobutane	Not fulfilling PBT and vPvB criteria

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Ethyl alcohol	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
Triethylene glycol	Not fulfilling PBT and vPvB criteria
Dipropylene glycol	Not fulfilling PBT and vPvB criteria
Fragrance - Trade Secret	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.

	<b>Land transport</b>	<b>Sea transport</b>	<b>Air transport</b>
<b>UN number</b>	1950	1950	1950
<b>UN proper shipping name</b>	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1
<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.

**15. REGULATORY INFORMATION**

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**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).

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

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**16. OTHER INFORMATION**

**HMIS Ratings**

<b>Health</b>	1
<b>Flammability</b>	4
<b>Reactivity</b>	0

**NFPA Ratings**

<b>Health</b>	1
<b>Fire</b>	4
<b>Reactivity</b>	0
<b>Special</b>	-

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**

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