

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® SENSE & SPRAY® REFILL RED HONEYSUCKLE NECTAR®

Version 1.0

Print Date 04/09/2015

Revision Date 02/27/2015

SDS Number 350000019437

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : **GLADE® SENSE & SPRAY® REFILL RED HONEYSUCKLE NECTAR®**

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.
Gases under pressure	Liquefied gas	Contains gas under pressure; may explode if heated.

Labelling

Hazard symbols

Flame

Signal word

Danger

Hazard statements

Extremely flammable aerosol.

Precautionary statements

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.

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Do not pierce or burn, even after use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Isobutane	75-28-5	30.00 - 60.00
Ethyl alcohol	64-17-5	30.00 - 60.00
Propane	74-98-6	10.00 - 30.00
Fragrance - Trade Secret	Mixture	5.00 - 10.00

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.

4. FIRST AID MEASURES

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

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.

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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.

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.
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.

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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
Benzyl acetate	140-11-4	-	10 ppm	-	ACGIH 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

Form : aerosol

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- Color** : colourless
- Odor** : characteristic
- Odour Threshold** : No data available
- pH** : No data available
- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : Not applicable
- Flash point** : -7 C
19.4 °F
- Evaporation rate** : No data available
- Flammability (solid, gas)** : No data available
- Upper/lower flammability or explosive limits** : No data available
- Vapour pressure** : No data available
- Vapour density** : No data available
- Relative density** : No data available
- Solubility(ies)** : No data available
- Partition coefficient: n-** : No data available

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octanol/water

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

Volatile Organic Compounds Total VOC (wt. %)* : 94.2 % - additional exemptions may apply
*as defined by US Federal and State Consumer Product Regulations

Other information : None identified :

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions : Stable under recommended storage conditions.

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.

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11. TOXICOLOGICAL INFORMATION

- Emergency Overview** : Danger
- Acute oral toxicity** : LD50
estimated
5,000 mg/kg
LD50
estimated
> 2,000 mg/kg
- Acute inhalation toxicity** : LC50
estimated
> 5 mg/l
- Acute inhalation toxicity** : LC50
estimated
> 2 mg/l
- Acute dermal toxicity** : LD50
estimated
> 2,000 mg/kg

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	No classification proposed	-

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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
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
Fragrance - Trade Secret	No data available			
Isobutane	LC50	Fish	27.98 mg/l	96 h

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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
Benzyl acetate	flow-through test LC50	Oryzias latipes	4 mg/l	96 h
	flow-through test flow-through test MATC	Oryzias latipes	1.33 mg/l	28 d
METHANO-1H-INDEN-6-OL,-HEXAHYDRO-,PROPANOATE	flow-through test LC50 OECD Test Guideline 203	Pimephales promelas (fathead minnow)	6.7 mg/l	96 h
(+)-beta-Citronellol	static test LC50	Leuciscus idus (Golden orfe)	14.66 mg/l	96 h
Isocyclocitral	No data available			

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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)	2 mg/l	48 h
	NOEC	Daphnia magna	9.6 mg/l	9 d
Propane	LC50	Daphnid	14.22 mg/l	48 h
Fragrance - Trade Secret	No data available			
Isobutane	LC50	Daphnid	16.33 mg/l	48 h
Ethyl alcohol	static test EC50	Daphnia magna (Water flea)	2 mg/l	48 h

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	NOEC	Daphnia magna	9.6 mg/l	9 d
Propane	LC50	Daphnid	14.22 mg/l	48 h
Benzyl acetate	semi-static test EC50	Daphnia magna (Water flea)	17 mg/l	48 h
METHANO-1H-INDEN-6-OL,- HEXAHYDRO-,PROPANOATE	Flow through EC50 OECD Test Guideline 202	Daphnia magna (Water flea)	> 14 mg/l	48 h
(+)-beta-Citronellol	static test EC50	Daphnia magna (Water flea)	17.48 mg/l	48 h
Isocyclocitral	static test EC50 OECD Test Guideline 202	Daphnia magna (Water flea)	29.6 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Isobutane	EC50	Green alga	8.57 mg/l	96 h
Ethyl alcohol	Static	Chlorella vulgaris (Fresh	275 mg/l	72 h

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	EC50	water algae)		
Propane	No data available			
Fragrance - Trade Secret	No data available			
Isobutane	EC50	Green algae	8.57 mg/l	96 h
Ethyl alcohol	Static EC50	Chlorella vulgaris (Fresh water algae)	275 mg/l	72 h
Propane	No data available			
Benzyl acetate	static test EC50	Desmodesmus subspicatus (green algae)	110 mg/l	72 h
METHANO-1H-INDEN-6-OL,-HEXAHYDRO-,PROPANOATE	ErC50 OECD Test Guideline 201	Desmodesmus subspicatus (green algae)	2.5 mg/l	72 h
(+)-beta-Citronellol	static test EC50	Desmodesmus subspicatus (green algae)	2.4 mg/l	72 h
Isocyclocitral	No data available			

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
Fragrance - Trade Secret	No data available		
Isobutane	70 %	< 10 d	Readily biodegradable
Ethyl alcohol	97 %	28 d	Readily biodegradable
Propane	70 %	< 10 d	Readily biodegradable

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Benzyl acetate	100 %	28 d	Readily biodegradable
METHANO-1H-INDEN-6-OL,- HEXAHYDRO-,PROPANOATE	14.1 %	28 d	Not readily biodegradable.
(+)-beta-Citronellol	80 - 90 %	28 d	Readily biodegradable
Isocyclocitral	3 %	28 d	Not readily biodegradable.

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
Fragrance - Trade Secret	No data available	No data available
Isobutane	1.57 - 1.97	2.8
Ethyl alcohol	3.2 estimated	-0.35 Measured
Propane	No data available	2.36
Benzyl acetate	8 Calculated	1.96
METHANO-1H-INDEN-6-OL,- HEXAHYDRO-,PROPANOATE	No data available	3.34
(+)-beta-Citronellol	82.59	3.41
Isocyclocitral	No data available	3.1 Measured

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Mobility

Component	End point	Value
Isobutane	No data available	
Ethyl alcohol	No data available	
Propane	No data available	
Fragrance - Trade Secret	No data available	
Isobutane	No data available	
Ethyl alcohol	No data available	
Propane	No data available	
Benzyl acetate	Koc	250 estimated
METHANO-1H-INDEN-6-OL,- HEXAHYDRO-,PROPANOATE	log Koc	3.11
(+)-beta-Citronellol	log Koc	1.85 Calculated
Isocyclocitral	No data available	

PBT and vPvB assessment

Component	Results
Isobutane	Not fulfilling PBT and vPvB criteria
Ethyl alcohol	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
Fragrance - Trade Secret	Not fulfilling PBT and vPvB criteria
Isobutane	Not fulfilling PBT and vPvB criteria
Ethyl alcohol	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
Benzyl acetate	Not fulfilling PBT and vPvB criteria
METHANO-1H-INDEN-6-OL,- HEXAHYDRO-,PROPANOATE	Not fulfilling PBT and vPvB criteria
(+)-beta-Citronellol	Not fulfilling PBT and vPvB criteria

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Isocyclocitral	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.

	Land transport	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1
Transport hazard class(es)	2.1	2	2.1
Packing group	-	-	-
Environmental hazards	-	-	-
Special precautions for user	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

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 :

:

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	4
Reactivity	0

NFPA Ratings

Health	1
Fire	4
Reactivity	0
Special	-

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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