

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



# GLADE® LARGE AUTOMATIC SPRAY REFILL KETO - FRESH ORCHID SCENT

Version 1.0

Print Date 06/23/2026

Revision Date 10/06/2023

SDS Number 350000044977

GEN\_SOF Number 80367

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

**Product name** : GLADE® LARGE AUTOMATIC SPRAY REFILL KETO - FRESH ORCHID SCENT

**Recommended use** : Air Freshener

**Restrictions on use** : Use only as directed on label

**Manufacturer, importer, supplier** : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

**Telephone** : +1-800-558-5252

**Emergency telephone number** : 24 Hour Medical Emergency Phone: (866)231-5406  
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.                        |
| Eye irritation        | Category 2B     | Causes eye irritation.                              |
| Gases under pressure  | Compressed gas  | Contains gas under pressure; may explode if heated. |

### Labelling

#### Hazard symbols

Flame  
Gas cylinder

#### Signal word

Danger

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### Hazard statements

Extremely flammable aerosol.

Causes eye irritation.

Contains gas under pressure; may explode if heated.

### Precautionary statements

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

Keep out of reach of children.

Read label before use.

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.

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.

Pressurized container: Do not pierce or burn, even after use.

Wash hands thoroughly after handling.

**Other hazards** : None identified

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name                                                        | CAS-No.    | Weight percent |
|----------------------------------------------------------------------|------------|----------------|
| Acetone                                                              | 67-64-1    | 30.00 - 60.00  |
| Isobutane                                                            | 75-28-5    | 10.00 - 30.00  |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-47-8 | 10.00 - 30.00  |
| Propane                                                              | 74-98-6    | 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).

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## 4. FIRST AID MEASURES

### Description of first aid measures

- Eye contact** : 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.
- 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** : May cause abdominal discomfort. No adverse effects expected when used as directed.

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

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** : Aerosol Product - Containers may rocket or explode in heat of

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### firefighting

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.

## 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.  
Wash thoroughly after handling.

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**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.

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

| Components                                                           | CAS-No.    | mg/m3       | ppm       | Non-standard units | Basis      |
|----------------------------------------------------------------------|------------|-------------|-----------|--------------------|------------|
| Acetone                                                              | 67-64-1    | -           | 500 ppm   | -                  | ACGIH STEL |
| Acetone                                                              | 67-64-1    | -           | 250 ppm   | -                  | ACGIH TWA  |
| Acetone                                                              | 67-64-1    | 2,400 mg/m3 | 1,000 ppm | -                  | OSHA TWA   |
| Isobutane                                                            | 75-28-5    | -           | 1,000 ppm | -                  | ACGIH STEL |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-47-8 | 1,200 mg/m3 | 152 ppm   | -                  | SUPPLIER   |
| Propane                                                              | 74-98-6    | -           | -         | -                  | ACGIH TWA  |
| Propane                                                              | 74-98-6    | 1,800 mg/m3 | 1,000 ppm | -                  | OSHA TWA   |

**Personal protective equipment**

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|                                 |                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Respiratory protection</b>   | : No special requirements.                                                                               |
| <b>Hand protection</b>          | : No special requirements.                                                                               |
| <b>Eye protection</b>           | : No special requirements.                                                                               |
| <b>Skin and body protection</b> | : No special requirements.                                                                               |
| <b>Hygiene measures</b>         | : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                |                                                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Form</b>                                    | : aerosol                                                                                      |
| <b>Color</b>                                   | : colourless                                                                                   |
| <b>Odour</b>                                   | : Fruity Floral                                                                                |
| <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<br>19.4 °F<br>Propellant<br>100 °C<br>212 °F<br>Method: Tag Closed Cup (TCC)<br>liquid |
| <b>Evaporation rate</b>                        | : Test not applicable for this product type                                                    |

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|                                                     |                                                            |
|-----------------------------------------------------|------------------------------------------------------------|
| <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>                               | : Not applicable                                           |
| <b>Relative density</b>                             | : 0.695 g/cm <sup>3</sup> at 20 °C estimated               |
| <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>                         | : The substance or mixture is not classified as oxidizing. |

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**Volatile Organic Compounds** : 28 % - additional exemptions may apply  
**Total VOC (wt. %)\*** \*as defined by US Federal and State Consumer Product Regulations

**Other information** : None identified :

## 10. STABILITY AND REACTIVITY

**Reactivity** : No dangerous reaction known under conditions of normal use.

**Chemical stability** : Stable under recommended storage conditions.

**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.

## 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity** : LD50 > 5000 mg/kg

**Acute inhalation toxicity** : LC50 > 10 mg/L

**Acute dermal toxicity** : LD50 > 5000 mg/kg

| GHS Properties | Classification             | Routes of entry |
|----------------|----------------------------|-----------------|
| Acute toxicity | No classification proposed | Oral            |
| Acute toxicity | No classification proposed | Dermal          |

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|                                                    |                            |                            |
|----------------------------------------------------|----------------------------|----------------------------|
| 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                                     | Category 2B                | -                          |
| 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 | -                          |
| 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.

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**Toxicity to fish**

| Components                                                                  | End point            | Species                                | Value           | Exposure time |
|-----------------------------------------------------------------------------|----------------------|----------------------------------------|-----------------|---------------|
| Acetone                                                                     | static test<br>LC50  | Oncorhynchus mykiss<br>(rainbow trout) | 6,210 mg/l      | 96 h          |
| Isobutane                                                                   | LC50<br>QSAR         | Fish                                   | 27.98 mg/l      | 96 h          |
| Hydrocarbons, C14-C18, n-<br>alkanes, isoalkanes, cyclics,<br><2% aromatics | LC50                 | Fish                                   | > 1,028<br>mg/l | 96 h          |
| Propane                                                                     | LC50<br>QSAR         | Fish                                   | 49.9 mg/l       | 96 h          |
| Fragrance - Trade Secret                                                    | No data<br>available |                                        |                 |               |

**Toxicity to aquatic invertebrates**

| Components                | End point           | Species                       | Value      | Exposure time |
|---------------------------|---------------------|-------------------------------|------------|---------------|
| Acetone                   | static test<br>LC50 | Daphnia pulex (Water<br>flea) | 8,800 mg/l | 48 h          |
|                           | NOEC                | Daphnia magna                 | 2,212 mg/l | 28 d          |
| Isobutane                 | LC50<br>QSAR        | Daphnid                       | 16.33 mg/l | 48 h          |
| Hydrocarbons, C14-C18, n- | EC50                | Daphnid                       | > 3,193    | 48 h          |

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|                                                |                   |         |            |      |
|------------------------------------------------|-------------------|---------|------------|------|
| alkanes, isoalkanes, cyclics,<br><2% aromatics |                   |         | mg/l       |      |
| Propane                                        | LC50              | Daphnid | 27.14 mg/l | 48 h |
| Fragrance - Trade Secret                       | No data available |         |            |      |

**Toxicity to aquatic plants**

| Components                                                           | End point         | Species                                   | Value        | Exposure time |
|----------------------------------------------------------------------|-------------------|-------------------------------------------|--------------|---------------|
| Acetone                                                              | NOEC              | Microcystis aeruginosa (blue-green algae) | 530 mg/l     | 8 d           |
| Isobutane                                                            | EC50 QSAR         | Green algae                               | 8.57 mg/l    | 96 h          |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | EC50              | Skeletonema costatum                      | > 3,198 mg/l | 72 h          |
| Propane                                                              | EC50              | Green algae                               | 11.89 mg/l   | 96 h          |
| Fragrance - Trade Secret                                             | No data available |                                           |              |               |

**Persistence and degradability**

| Component                                              | Biodegradation | Exposure time | Summary                |
|--------------------------------------------------------|----------------|---------------|------------------------|
| Acetone                                                | 90.9 %         | 28 d          | Readily biodegradable. |
| Isobutane                                              | 70 %           | < 10 d        | Readily biodegradable. |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, | 74 %           | 28 d          | Readily biodegradable. |

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|--------------------------|-------------------|--------|------------------------|
| <2% aromatics            |                   |        |                        |
| Propane                  | 70 %              | < 10 d | Readily biodegradable. |
| Fragrance - Trade Secret | No data available |        |                        |

**Bioaccumulative potential**

| Component                                                            | Bioconcentration factor (BCF) | Partition Coefficient n-Octanol/water (log) |
|----------------------------------------------------------------------|-------------------------------|---------------------------------------------|
| Acetone                                                              | 0.69                          | -0.23                                       |
| Isobutane                                                            | 1.57 - 1.97                   | 2.8                                         |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | 61 - 159                      | No data available                           |
| Propane                                                              | No data available             | 2.36                                        |
| Fragrance - Trade Secret                                             | No data available             | No data available                           |

**Mobility**

| Component                                                            | End point         | Value |
|----------------------------------------------------------------------|-------------------|-------|
| Acetone                                                              | No data available |       |
| Isobutane                                                            | No data available |       |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | No data available |       |
| Propane                                                              | No data available |       |
| Fragrance - Trade Secret                                             | No data available |       |

**PBT and vPvB assessment**

| Component                                                            | Results                              |
|----------------------------------------------------------------------|--------------------------------------|
| Acetone                                                              | Not fulfilling PBT and vPvB criteria |
| Isobutane                                                            | Not fulfilling PBT and vPvB criteria |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not fulfilling PBT and vPvB criteria |

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|                          |                                      |
|--------------------------|--------------------------------------|
| Propane                  | 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.

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|                                                                          | Land transport                                                                                     | Sea transport                                                                                      | Air transport                                                                                      |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| UN number or identification number                                       | 1950                                                                                               | 1950                                                                                               | 1950                                                                                               |
| UN proper shipping name                                                  | AEROSOLS, flammable                                                                                | AEROSOLS, flammable                                                                                | AEROSOLS, flammable                                                                                |
| 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. |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | 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.

**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**

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) |
|-------------|------------------------------------------------------------------|