

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

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.
Eye irritation	Category 2A	Causes serious eye irritation.
Aspiration hazard	Category 1	May be fatal if swallowed and enters airways.
Gases under pressure	Compressed gas	Contains gas under pressure; may explode if heated.

Labelling

Hazard symbols

Flame
Gas cylinder
Exclamation mark
Health hazard

Signal word

Danger

Hazard statements

Extremely flammable aerosol.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
May be fatal if swallowed and enters airways.

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.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

Do NOT induce vomiting.

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.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Wash hands thoroughly after handling.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Isobutane	75-28-5	30.00 - 60.00
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	10.00 - 30.00
Acetone	67-64-1	10.00 - 30.00
Propane	74-98-6	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 : IF IN EYES: Rinse cautiously with water for several minutes.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

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** : IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting.

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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

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.
Wash thoroughly after 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.

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.
Store locked up.
Protect from sunlight.
Store in a well-ventilated place.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™**

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

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
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	1,200 mg/m3	152 ppm	-	SUPPLIER
Acetone	67-64-1	2,400 mg/m3	1,000 ppm	-	OSHA TWA
Acetone	67-64-1	-	500 ppm	-	ACGIH STEL
Acetone	67-64-1	-	250 ppm	-	ACGIH TWA
Propane	74-98-6	1,800 mg/m3	1,000 ppm	-	OSHA TWA
Propane	74-98-6	-	-	-	ACGIH TWA

Personal protective equipment**Respiratory protection** : No special requirements.**Hand protection** : No special requirements.**Eye protection** : Safety glasses with side-shields**Skin and body protection** : No special requirements.**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: aerosol
Color	: colourless
Odor	: pleasant
Odour Threshold	: No data available
pH	: Not applicable
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: < -7 °C < 19.4 °F Propellant
Evaporation rate	: No data available
Flammability (solid, gas)	: Sustains combustion
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 0.65 g/cm ³ at 20 °C

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

Solubility(ies)	: No data available	
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	
Volatile Organic Compounds Total VOC (wt. %)*	: 50.9 % - 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	: Thermal decomposition can lead to release of irritating gases

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

products and vapours.

11. TOXICOLOGICAL INFORMATION

Emergency Overview : Danger

Acute oral toxicity : LD50

Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50

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	Category 2A	-
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	-

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	Category 1	-

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 QSAR	Fish	27.98 mg/l	96 h
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	LC50	Fish	> 1,028 mg/l	96 h
Acetone	static test LC50	Oncorhynchus mykiss (rainbow trout)	6,210 mg/l	96 h
Propane	LC50	Fish	27.98 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure
------------	-----------	---------	-------	----------

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™**

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

				time
Isobutane	LC50 QSAR	Daphnid	16.33 mg/l	48 h
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC50	Daphnid	> 3,193 mg/l	48 h
Acetone	static test LC50	Daphnia pulex (Water flea)	8,800 mg/l	48 h
	NOEC	Daphnia magna	2,212 mg/l	28 d
Propane	LC50	Daphnid	14.22 mg/l	48 h

Toxicity to aquatic plants

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

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Isobutane	70 %	< 10 d	Readily biodegradable

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™**

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	74 %	28 d	Readily biodegradable
Acetone	90.9 %	28 d	Readily biodegradable
Propane	70 %	< 10 d	Readily biodegradable

Bioaccumulative potential

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

Mobility

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

PBT and vPvB assessment

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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

--	--

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	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.

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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990

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

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 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)
-------------	--

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® AUTOMATIC SPRAY REFILL - BLUE ODYSSEY™

Version 1.0

Print Date 03/21/2016

Revision Date 03/18/2016

SDS Number 350000022990