

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

#### 1. PRODUCT AND COMPANY IDENTIFICATION

##### Product information

**Product name** : Glade Automatic Spray Ocean

**Recommended use** : Air Freshener

**Manufacturer, importer, supplier** : S.C. Johnson & Son Ltd  
689 Sukhumvit Road, North Klongton  
Bhiraj Tower at EmQuartier, 37th floor,  
Vadhana District, Bangkok 10110

**Telephone** : +6622690888

**Emergency telephone number** : Call Center number: +662-269-0899

#### 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.

##### Labelling

##### Hazard symbols



##### Signal word

Danger

##### Hazard statements

H222) Extremely flammable aerosol.

H320) Causes eye irritation.

##### Precautionary statements

(P101) If medical advice is needed, have product container or label at hand.

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

- (P102) Keep out of reach of children.
- (P103) Read label before use.
- (P101) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- (P102) If eye irritation persists: Get medical advice/ attention.
- (P103)
- (P410 + P412) Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
- (P210) Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- (P211) Do not spray on an open flame or other ignition source.
- (P251) Pressurized container: Do not pierce or burn, even after use.
- (P264) Wash hands thoroughly after handling.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	64742-47-8	20.00 - 30.00
Acetone	67-64-1	10.00 - 20.00
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	64742-48-9	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](http://www.whatsinsidescjohnson.com).

### 4. 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

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

#### 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.

#### 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

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

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.

**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

### 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.

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** : aerosol

**Color** : colourless

**Odor** : Marine/Ozone

**Odour Threshold** : Test not applicable for this product type

**pH** : Test not applicable for this product type

**Melting point/freezing point** : Test not applicable for this product type

**Initial boiling point and boiling range** : Test not applicable for this product type

**Flash point** : -7 °C  
19.4 °F  
Propellant  
85 °C  
185 °F  
Method: Tag Closed Cup (TCC)  
liquid

**Evaporation rate** : Test not applicable for this product type

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

**Upper/lower flammability or explosive limits** : Test not applicable for this product type

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

<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>	:	0.650 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>	:	Test not applicable for this product type	
<b>Volatile Organic Compounds Total VOC (wt. %)*</b>	:	58.5 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
<b>Other information</b>	:	None identified	:

#### 10. STABILITY AND REACTIVITY

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

- 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

- Emergency Overview** : Danger
- Acute oral toxicity** : LD50 > 5000 mg/kg
- Acute inhalation toxicity** : LC50 > 5.1 mg/L
- Acute dermal toxicity** : LD50 3603 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	Category 2B	-
Skin sensitisation	No classification proposed	-

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

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
Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	LC50	Oncorhynchus mykiss (rainbow trout)	> 800,000 mg/l	96 h
Acetone	static test LC50	Oncorhynchus mykiss (rainbow trout)	6,210 mg/l	96 h



## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	LC50	Pimephales promelas (fathead minnow)	2,200 mg/l	96 h
---	------	---	------------	------

#### Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	static test EC50	Daphnia magna (Water flea)	> 1,000 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
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	EC50	Daphnia magna (Water flea)	< 100 mg/l	48 h

#### Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	Static EC50	Pseudokirchneriella subcapitata (green algae)	> 1,000 mg/l	72 h
Acetone	NOEC	Microcystis aeruginosa (blue-green algae)	530 mg/l	8 d
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	No data available			

#### Persistence and degradability

Component	Biodegradation	Exposure	Summary
-----------	----------------	----------	---------

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

		time	
Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	No data available		
Acetone	90.9 %	28 d	Readily biodegradable.
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	31.3 %	28 d	Not readily biodegradable.

#### Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	61 - 159	No data available
Acetone	0.69	-0.23
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	No data available	5.8 - 7.6

#### Mobility

Component	End point	Value
Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	No data available	
Acetone	No data available	
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	log Koc	> 1.783 - < 2.36

#### PBT and vPvB assessment

Component	Results
Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	Not fulfilling PBT and vPvB criteria
Acetone	Not fulfilling PBT and vPvB criteria
Hydrocarbons, C11-C13,	Not fulfilling PBT and vPvB criteria

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

isoalkanes, <2% aromatics	
---------------------------	--

**Other adverse effects** : None known.

### 13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

### 14. TRANSPORT INFORMATION

	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.

### 15. REGULATORY INFORMATION

## Safety Data Sheet

According to Hazard Classification and Communication System  
for Hazardous Substances (B.E. 2555)



### Glade Automatic Spray Ocean

Version 1.0

Print Date 01/23/2020

Revision Date 07/12/2018

SDS Number 350000034259  
GEN\_SOF Number 63281

#### 16. OTHER INFORMATION

Safety Data Sheets (SDS) are intended to provide workers and emergency personnel with the proper procedures for handling or working with products. The information is intended to address handling of our products in occupational environments in accordance with country and region specific regulatory requirements under the Global Harmonization System of Classification and Labeling of chemicals and mixtures. These SDSs are not applicable to consumer use of our products.

#### 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)
-------------	---