

**SAFETY DATA SHEET**

(according to Regulation (EC) No. 2015/830)



**GLADE® Aerosol – Pacific Breeze (Professional)**

Version 1.0  
Revision Date 02.12.2016

Print Date 27.03.2017  
Specification Number: 350000031570  
SITE FORM Number:  
30000000000000006903.002

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier** : GLADE® Aerosol – Pacific Breeze (Professional)
  
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
  - Use of the Substance/Mixture** : Air care products
  
  - Uses advised against** : None identified
  
- 1.3 Details of the supplier of the safety data sheet** : SC Johnson Ltd.  
Frimley Green  
Camberley  
  
GU16 7AJ
  
- Telephone** : +441276852000
  
- E-mail address** : ask.uk@scj.com
  
- 1.4 Emergency telephone number** : Consumer Care Center:  
UK - 0800 353 353  
Ireland - 1800 409 176

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 1	Extremely flammable aerosol.

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

**Hazard symbols**



**Signal word**

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Danger

**Hazard statements**

(H222) Extremely flammable aerosol.

(H229) Pressurised container: May burst if heated.

**Precautionary statements**

(P102) Keep out of reach of children.

(P410 + P412) Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

(P210) Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

(P211) Do not spray on an open flame or other ignition source.

(P251) Do not pierce or burn, even after use.

**Additional Labelling**

Caution

Use only as directed.

Air fresheners do not replace good hygiene practices.

People suffering from perfume sensitivity should be cautious when using this product.

For professional users only.

**2.3 Other hazards** : 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.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous components**

Chemical Name	CAS-No./EC No	Reg. No	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent
trimethyloctadecylammonium chloride	112-03-8 203-929-1	01-2119970559-21	Skin corrosion/irritation Category 1 H314 Serious eye damage/eye irritation	>= 0.00 - < 0.10

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			Category 1 H318 Chronic aquatic toxicity Category 1 H410 Acute aquatic toxicity Category 1 H400 Acute toxicity Category 4 H312 M-Factor Acute - 10 M-Factor Chronic - 10	
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WEL substance				
Butane	106-97-8 203-448-7	01-2119474691-32	Flammable gases Category 1 H220 Gases under pressure  H280	>= 5.00 - < 10.00
propane-1,2-diol	57-55-6 200-338-0	01-2119456809-23		>= 0.00 - < 0.10
1,3-butadiene	106-99-0 203-450-8	01-2119449808-24	Flammable gases Category 1 H220 Gases under pressure  H280	>= 0.00 - < 0.10

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			Germ cell mutagenicity Category 1B H340 Carcinogenicity Category 1A H350	
propan-2-ol	67-63-0 200-661-7	01-2119457558-25	Flammable liquids Category 2 H225 Eye irritation Category 2 H319 Specific target organ toxicity - single exposure Category 3 H336	>= 0.00 - < 0.10

**Additional Information**

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

- Inhalation : Move to fresh air.  
If breathing is affected, get medical attention.
- Skin contact : Rinse with plenty of water.  
Get medical attention if irritation develops and persists.
- Eye contact : Rinse with plenty of water.  
Get medical attention if irritation develops and persists.
- Ingestion : If symptoms persist, call a physician.

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**4.2 Most important symptoms and effects, both acute and delayed**

- Eyes : May irritate eyes.  
No adverse effects expected when used as directed.
- Skin effect : May cause skin irritation.  
No adverse effects expected when used as directed.
- Inhalation : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.  
No adverse effects expected when used as directed.  
Excessive exposure to spray mist, fog or vapour may cause respiratory irritation.
- Ingestion : No adverse effects expected when used as directed.

**4.3 Indication of any immediate medical attention and special treatment needed**

See Description of first aid measures unless otherwise stated.

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**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

- Suitable : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

- : Heating may cause an explosion.  
In case of fire and/or explosion do not breathe fumes.  
Exposure to decomposition products may be a hazard to health.

**5.3 Advice for firefighters**

- : In the event of fire, wear self-contained breathing apparatus.  
Wear suitable protective clothing and gloves.  
Refer to current EN or National standard as appropriate.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions,** : Use personal protective equipment.

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**protective equipment and emergency procedures** : Remove all sources of ignition.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**6.2 Environmental precautions** : Prevent product from entering drains.  
Do not flush into surface water or sanitary sewer system.  
Use appropriate containment to avoid environmental contamination.

**6.3 Methods and materials for containment and cleaning up** : If damage occurs to aerosol can:  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Clean residue from spill site.  
Dike large spills.  
Use only non-sparking equipment.

**6.4 Reference to other sections** : For personal protection see section 8.  
For disposal considerations see section 13.

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**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling** : For personal protection see section 8.  
Do not breathe vapours or spray mist.  
Do not use in areas without adequate ventilation.  
Do not puncture.  
Use explosion-proof equipment.  
Keep away from sources of ignition - No smoking.  
Do not spray on a naked flame or any incandescent material.  
Take measures to prevent the build up of electrostatic charge.

**7.2 Conditions for safe storage, including any incompatibilities** : No smoking.  
Store in cool place.  
Do not freeze.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.  
Keep out of the reach of children.  
No decomposition if stored and applied as directed.

**7.3 Specific end use(s)** : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
Air care products

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SITE FORM Number:  
30000000000000006903.002**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Occupational Exposure Limit Values**

Components	CAS-No.	mg/m <sup>3</sup>	ppm	Form of exposure	List
Butane	106-97-8	1,810 mg/m <sup>3</sup>	750 ppm		UK_WELSTEL
		1,450 mg/m <sup>3</sup>	600 ppm		UK_WELTWAS
propane-1,2-diol	57-55-6	1,422 mg/m <sup>3</sup>	450 ppm	total particulate and vapour	UK_WELSTEL
		30 mg/m <sup>3</sup>		particulate	UK_WELSTEL
		474 mg/m <sup>3</sup>	150 ppm	total particulates and vapour	UK_WELTWAS
		10 mg/m <sup>3</sup>		particulate	UK_WELTWAS
1,3-butadiene	106-99-0	22 mg/m <sup>3</sup>	10 ppm		UK_WELTWAS
		66 mg/m <sup>3</sup>	30 ppm		UK_WELSTEL
propan-2-ol	67-63-0	1,250 mg/m <sup>3</sup>	500 ppm		UK_WELSTEL
		999 mg/m <sup>3</sup>	400 ppm		UK_WELTWAS

Refer to current EN or National standard as appropriate.

**8.2 Exposure controls**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Wear suitable gloves.  
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.  
Before removing gloves clean them with soap and water.
- Eye/face protection : No special requirements.
- Skin and body protection : Wash contaminated clothing before re-use.
- Other information : Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.

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Other information : Wash hands before breaks and at the end of workday.

Environmental Exposure Controls : Refer to section 6.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Appearance : aerosol

Colour : colourless

Odour : characteristic

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

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

Vapour pressure : Test not applicable for this product type

Vapour density : Test not applicable for this product type

Relative density : Test not applicable for this product type

Solubility(ies) : negligible

Partition coefficient: n-octanol/water : Test not applicable for this product type

Auto-ignition temperature : Test not applicable for this product type

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- Decomposition temperature : Test not applicable for this product type
- Viscosity, dynamic : Test not applicable for this product type
- Viscosity, kinematic : Test not applicable for this product type
- Explosive properties : Test not applicable for this product type
- Oxidizing properties : Test not applicable for this product type
- Other information : None identified :

**SECTION 10: STABILITY AND REACTIVITY**

- 10.1 Reactivity** : No dangerous reaction known under conditions of normal use.
- 10.2 Chemical stability** : Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions** : None known.
- 10.4 Conditions to avoid** : Heat, flames and sparks.
- 10.5 Incompatible materials** : None known.
- 10.6 Hazardous decomposition products** : No decomposition if stored and applied as directed.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute oral toxicity**

Name	Method	Species	Dose
Product	LD50 Calculated		> 2 g/kg

**Acute inhalation toxicity**

Name	Method	Species	Dose	Exposure time
Product	LC50 (dust and mist)		> 5 mg/l	

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	Calculated			
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**Acute dermal toxicity**

Name	Method	Species	Dose
Product	LD50 Calculated		> 2 g/kg

**Acute oral toxicity**

Name	Method	Species	Dose
trimethyloctadecylammonium chloride	LD50 Measured	Rat	702.5 mg/kg

**Acute inhalation toxicity**

Name	Method	Species	Dose	Exposure time
trimethyloctadecylammonium chloride	No data available			

**Acute dermal toxicity**

Name	Method	Species	Dose
trimethyloctadecylammonium chloride	LD50		1,600 mg/kg

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation : Based on available data, the classification criteria are not met.

Skin sensitisation : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Toxicity for reproduction : Based on available data, the classification criteria are not met.

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STOT - single exposure : Based on available data, the classification criteria are not met.

STOT - repeated exposure : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

**SECTION 12: ECOLOGICAL INFORMATION****Product** : The product itself has not been tested.**12.1 Toxicity****Toxicity to fish**

Components	End point	Species	Value	Exposure time
trimethyloctadecylammonium chloride	LC50	Danio rerio (zebra fish)	0.064 mg/l	96 h
	NOEC Read-across (Analogy)	Pimephales promelas (fathead minnow)	0.273 mg/l	34 d
Butane	LC50 QSAR	Fish	27.98 mg/l	96 h
propane-1,2-diol	LC50 static test Measured	Oncorhynchus mykiss (rainbow trout)	40,613 mg/l	96 h
	Chronic Toxicity Value QSAR	Fish	2,500 mg/l	30 d
1,3-butadiene	LC50 QSAR	Fish	43 mg/l	
propan-2-ol	LC50 flow-through test	Pimephales promelas (fathead minnow)	9,640 mg/l	96 h

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
trimethyloctadecylammonium chloride	EC50	Daphnia magna (Water flea)	0.037 mg/l	48 h
	NOEC Read-across (Analogy)	Daphnia magna (Water flea)	0.0068 mg/l	21 d

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Butane	No data available			
propane-1,2-diol	EC50 static test Measured	Ceriodaphnia dubia	18,340 mg/l	48 h
	NOEC semi-static test Measured	Ceriodaphnia sp.	13,020 mg/l	7 d
1,3-butadiene	EC50 QSAR	Daphnia (water flea)	33 mg/l	48 h
propan-2-ol	EC50 static test	Daphnia magna (Water flea)	> 1,000 mg/l	24 h
	NOEC semi-static test	Daphnia magna	30 mg/l	21 d

**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
trimethyloctadecylammonium chloride	EC50 static test Measured	Pseudokirchneriella subcapitata (green algae)	0.08 mg/l	72 h
Butane	EC50 QSAR	Green algae	7.71 mg/l	96 h
propane-1,2-diol	EC50 static test Measured	Scenedesmus capricornutum (fresh water algae)	19,000 mg/l	96 h
1,3-butadiene	EC50 QSAR	Algae	11 mg/l	96 h
propan-2-ol	EC50	Desmodesmus subspicatus (green algae)	> 1,000 mg/l	72 h

**12.2 Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
trimethyloctadecylammonium chloride	18 %	28 d	Not readily biodegradable.
Butane	100 %	385.5 h	Readily biodegradable
propane-1,2-diol	81.7 % Measured	28 d	Readily biodegradable
1,3-butadiene	No data available		

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propan-2-ol	53 %	5 d	Readily biodegradable
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**12.3 Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
trimethyloctadecylammonium chloride	70.8 estimated	3.61
Butane	No data available	2.89
propane-1,2-diol	0.09	-1.07
1,3-butadiene	13 - 19.1	1.85
propan-2-ol	< 100	0.05

**12.4 Mobility in soil**

Component	End point	Value
trimethyloctadecylammonium chloride	No data available	
Butane	No data available	
propane-1,2-diol	Koc	2.9 Measured
1,3-butadiene	No data available	
propan-2-ol	Koc	1.1 estimated

**12.5 Results of PBT and vPvB assessment**

Component	Results
trimethyloctadecylammonium chloride	Not fulfilling PBT and vPvB criteria
Butane	Not fulfilling PBT and vPvB criteria
propane-1,2-diol	Not fulfilling PBT and vPvB criteria
1,3-butadiene	Not fulfilling PBT and vPvB criteria
propan-2-ol	Not fulfilling PBT and vPvB criteria

**12.6 Other adverse effects** : None known.

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Product	:	Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Disposal should be in accordance with local, state or national legislation. Please recycle empty packaging.
Packaging	:	Do not re-use empty containers.

**SECTION 14: TRANSPORT INFORMATION**

	Land transport	Sea transport	Air transport
14.1 UN number	1950	1950	1950
14.2 UN proper shipping name	AEROSOLS, Flammable	AEROSOLS, Flammable	AEROSOLS, Flammable
14.3 Transport hazard class(es)	2	2	2.1
14.4 Packing group			
14.5 Environmental hazards			
14.6 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.
14.7 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.

**SECTION 15: REGULATORY INFORMATION**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	:	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
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**SECTION 16: OTHER INFORMATION**

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If applicable, revision(s) are noted by the bold bars || in left-hand margin.

**Key abbreviations or acronyms used**

- EC - European Community
- EEC – European Economic Community
- CLP – Classification Labelling & Packaging
- EN – European Standard or European Norm
- PBT – Persistent, Bioaccumulative & Toxic
- vPvB – very persistent, very bioaccumulative
- UN – United Nations

**Evaluation methods**

Unless otherwise stated in section 11, the procedure used to derive the human health classification is the relevant calculation method according to CLP regulation (EC) No 1272/2008 as amended.

Unless otherwise stated in section 12, the procedure used to derive the environmental classification is the summation of the classified components method according to CLP regulation (EC) No 1272/2008 as amended.

**Full text of H-Statements**

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H400	Very toxic to aquatic life.

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H410	Very toxic to aquatic life with long lasting effects.
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.