

SAFETY DATA SHEET

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



SC Johnson Professional Glade® Aerosol - Relaxing Zen™

Version 1.1
Revision Date 14.02.2019

Print Date 08.10.2019
Specification Number: 350000034931
SITE FORM Number:
30000000000000023482.002

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

- 1.1 Product identifier** : SC Johnson Professional Glade® Aerosol - Relaxing Zen™

- 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 known.

- 1.3 Details of the supplier of the safety data sheet** : SC Johnson Professional Ltd.
Denby
DE5 8JZ
UK

SC Johnson Professional GmbH
Girmesgath
47803 Krefeld
EU

- Telephone** : +44 (0) 1773 855 100

- E-mail address** : talktous@scj.com

- 1.4 Emergency telephone number** : Care Center:
UK - 0800 353 353
Ireland – 1800 409 176

Irish Poison Center:
Ireland - (01)809 2166

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 2	Flammable aerosol.

2.2 Label elements

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

Hazard symbols



Signal word

Warning

Hazard statements

(H223) 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

Use only in well-ventilated areas.

Store in a cool, dry place.

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

Air fresheners do not replace good hygiene practices.

For professional use only

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2.3 Other hazards : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

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
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1 270-325-2	01-2119983287-23	Skin corrosion Category 1 H314 Serious eye damage Category 1 H318 Long-term (chronic) aquatic hazard Category 1 H410 Short-term (acute) aquatic hazard Category 1 H400 Acute toxicity Category 4 H302	>= 0.00 - < 0.10

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			Acute toxicity Category 3 H311 Acute toxicity Category 2 H330 M-Factor Acute - 10 M-Factor Chronic - 1	
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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
2-methylbutane	78-78-4 201-142-8	01-2119475602-38	Flammable liquids Category 1 H224 Specific target organ toxicity - single exposure Category 3 H336 Aspiration hazard Category 1 H304 Long-term (chronic)	>= 0.00 - < 0.10

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			aquatic hazard Category 2 H411	
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 Germ cell mutagenicity Category 1B H340 Carcinogenicity Category 1A H350	>= 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.

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- 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.

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.
- Ingestion : May cause abdominal discomfort.
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.

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.

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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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Remove all sources of ignition.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions : Outside of normal use, avoid release to the environment.
Prevent large amounts of 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.

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.

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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

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

Components	CAS-No.	mg/m3	ppm	Form of exposure	List
butane	106-97-8	1,810 mg/m3	750 ppm		UK_WELSTEL
		1,450 mg/m3	600 ppm		UK_WELTWAS
2-methylbutane	78-78-4	3,000 mg/m3	1,000 ppm		EUOEL_TWAS
		1,800 mg/m3	600 ppm		UK_WELTWAS
propane-1,2-diol	57-55-6	5,400 mg/m3	1,800 ppm		UK_WELSTEL
		1,422 mg/m3	450 ppm	total particulate and vapour	UK_WELSTEL
		30 mg/m3		particulate	UK_WELSTEL
		474 mg/m3	150 ppm	total particulates and vapour	UK_WELTWAS
		10 mg/m3		particulate	UK_WELTWAS
1,3-butadiene	106-99-0	22 mg/m3	10 ppm		UK_WELTWAS
		66 mg/m3	30 ppm		UK_WELSTEL

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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.
Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.
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 : Wash hands before breaks and at the end of workday.
- Environmental Exposure Controls : Refer to section 6.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Appearance : aerosol
- Colour : colourless
- Odour : 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 : 79 °C
Method: Tag Closed Cup (TCC)

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liquid
-7 °C
Method: Tag Closed Cup (TCC)
Propellant

- 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 : 0.86 g/cm³ at 20 °C estimated
- Solubility(ies) : partly miscible
- Partition coefficient: n-octanol/water : Test not applicable for this product type
- Auto-ignition temperature : not auto-flammable
- 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

9.2 Other information

Other information : None identified :

SECTION 10: STABILITY AND REACTIVITY

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- 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

11.1 Information on toxicological effects

Acute oral toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Acute inhalation toxicity

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

Acute dermal toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Acute oral toxicity

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Name	Method	Species	Dose
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	LD50	Rat	426 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available			

Acute dermal toxicity

Name	Method	Species	Dose
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	LD50	Rat	930 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.
- 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.

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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
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	LC50 Measured	Pimephales promelas (fathead minnow)	0.28 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.03 mg/l	34 d
butane	LC50 QSAR	Fish	27.98 mg/l	96 h
2-methylbutane	LC50	Oncorhynchus mykiss (rainbow trout)	4.26 mg/l	96 h
	NOELR QSAR	Fish	7.6 mg/l	21 d
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	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Quaternary ammonium	EC50	Daphnia magna (Water)	0.016 mg/l	48 h

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compounds, benzyl-C12-16-alkyldimethyl, chlorides	NOEC	flea) Daphnia magna	0.0042 mg/l	21 d
butane	No data available			
2-methylbutane	EC50 Measured	Daphnia magna (Water flea)	2.3 mg/l	48 h
	NOELR QSAR	Daphnia magna	13.29 mg/l	21 d
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

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	EC50	Selenastrum capricornutum, Skeletonema costatum	0.026 mg/l	72 h
butane	EC50 QSAR	Green algae	7.71 mg/l	96 h
2-methylbutane	EC50 QSAR	Scenedesmus capricornutum (fresh water algae)	10.7 mg/l	72 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

12.2 Persistence and degradability

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Component	Biodegradation	Exposure time	Summary
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	95.5 %	28 d	Readily biodegradable.
butane	100 %	385.5 h	Readily biodegradable.
2-methylbutane	71.43 %	28 d	Readily biodegradable.
propane-1,2-diol	81.7 % Measured	28 d	Readily biodegradable.
1,3-butadiene	No data available		

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	79 Measured	3.91
butane	No data available	2.89
2-methylbutane	171 Read-across (Analogy)	4.9 Measured
propane-1,2-diol	0.09	-1.07
1,3-butadiene	13 - 19.1	1.85

12.4 Mobility in soil

Component	End point	Value
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available	
butane	No data available	
2-methylbutane	log Koc	2.9 Read-across (Analogy)
propane-1,2-diol	Koc	2.9 Measured

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1,3-butadiene	No data available	
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12.5 Results of PBT and vPvB assessment

Component	Results
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	Not fulfilling PBT and vPvB criteria
butane	Not fulfilling PBT and vPvB criteria
2-methylbutane	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

12.6 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

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

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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.

15.2 Chemical safety assessment : .

SECTION 16: OTHER INFORMATION

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

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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

H314	Causes severe skin burns and eye damage.
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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.