

SAFETY DATA SHEET

(according to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758)



Glade® Aerosol - Pure Clean Linen

Version 2.1

Revision Date 20.06.2023

Print Date 13.11.2024

Specification Number: 350000038752

SITE FORM Number:
30000000000000026974.001

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

1.1 Product identifier : Glade® Aerosol - Pure Clean Linen

UFI : N1AF-D307-Q005-P760

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 Ltd.
Frimley Green
Camberley

GU16 7AJ

Telephone : +44 1276852000

E-mail address : ask.uk@scj.com

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

Poison Centre:
Ireland - (01)809 2166
Available 8.00 a.m. to 10.00 p.m. 7 days a week

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard classification	Hazard category	Hazards identification
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Aerosol	Category 2	Flammable aerosol.
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2.2 Label elements

Labelling according to REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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.

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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 as amended by GB-CLP Regulation.	Weight percent
butane	106-97-8 203-448-7	-	Short-term (acute) aquatic hazard Category 2 H401	>= 5.00 - < 10.00
propane-1,2-diol	57-55-6 200-338-0	-		>= 0.00 - < 0.10
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1 270-325-2	-	M-Factor Acute - 10 M-Factor Chronic - 1	>= 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.

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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 : None identified

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, protective equipment and emergency procedures | : | Use personal protective equipment.
Remove all sources of ignition. |
| 6.2 Environmental precautions | : | Outside of normal use, avoid release to the environment.
Prevent large amounts of product from entering drains.
Use appropriate containment to avoid environmental contamination. |
| 6.3 Methods and materials for containment and cleaning up | : | If damage occurs to aerosol can:
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.
Do not spray on a naked flame or any incandescent material. |
| 7.2 Conditions for safe storage, including any incompatibilities | : | 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) | : | Consumer uses: Private households (= general public = consumers)
Air care products |

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SITE FORM Number:
30000000000000026974.001**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Occupational Exposure Limit Values**

Components	CAS-No.	mg/m ³	ppm	Form of exposure	List
butane	106-97-8	1,810 mg/m ³	750 ppm		UK_WELSTEL
		1,450 mg/m ³	600 ppm		UK_WELTWAS
propane-1,2-diol	57-55-6	30 mg/m ³		particulate	UK_WELSTEL
		10 mg/m ³		particulate	UK_WELTWAS
		1,422 mg/m ³	450 ppm	total vapour and particulates	UK_WELSTEL
		474 mg/m ³	150 ppm	total vapour and particulates	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 : For prolonged or repeated contact use protective gloves.
Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.
- Eye/face protection : No special requirements.
- Skin and body protection : No special requirements.
- 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**

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Physical State	: aerosol
Colour	: colourless
Odour	: powder
Odour Threshold	: Test not applicable for this product type
pH	: 8.5 - 9.0
Melting point/freezing point	: Not required as mixture is a gas
Initial boiling point and boiling range	: -42 °C
Flash point	: 79 °C Method: Tag Closed Cup (TCC) 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	: 80.5 kPa
Vapour density	: 10.22
Relative density	: 0.86 g/cm ³ at 20 °C estimated
Solubility(ies)	: partly miscible
Partition coefficient: n-octanol/water	: Not required as the product is a mixture.
Auto-ignition temperature	: not auto-flammable

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Decomposition temperature : Not measured as mixture is not self-reactive

Viscosity, dynamic : Test not applicable for this product type

Viscosity, kinematic : Not required as mixture is a gas

Explosive properties : Test not applicable for this product type

Oxidizing properties : Not required

9.2 Other information

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** : Extremes of temperature and direct sunlight.**10.5 Incompatible materials** : None known.**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		

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	Calculated		
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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

Name	Method	Species	Dose
butane	LD50 estimated	Rat	> 2,000 mg/kg
propane-1,2-diol			
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	LD50	Rat	426 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
butane				
propane-1,2-diol	LC50 (dust and mist)	Rat	> 317 mg/l	2 h
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available			

Acute dermal toxicity

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Name	Method	Species	Dose
butane	LD50 estimated	Rabbit	> 2,000 mg/kg
propane-1,2-diol			
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.

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
butane	LC50 QSAR	Fish	24.11 mg/l	96 h

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propane-1,2-diol	Chronic Toxicity Value QSAR	Fish	2,500 mg/l	30 d
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	LC50 Measured OECD Test Guideline 203	Pimephales promelas (fathead minnow)	0.28 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.032 mg/l	34 d

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
butane	EC50 QSAR	Daphnid	14.22 mg/l	48 h
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
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	EC50	Daphnia (water flea)	0.012 mg/l	48 h
	NOEC	Daphnia magna	0.0042 mg/l	21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
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

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Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	EC50	Pseudokirchneriella subcapitata (green algae)	0.049 mg/l	72 h
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12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
butane	70 %	< 10 d	Readily biodegradable.
propane-1,2-diol	81.7 % Measured	28 d	Readily biodegradable.
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	95.5 %	28 d	Readily biodegradable.

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
butane	No data available	2.89
propane-1,2-diol	0.09	-1.07
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	79 Measured	3.91

12.4 Mobility in soil

Component	End point	Value
butane	No data available	
propane-1,2-diol	Koc	2.9 Measured
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	Koc	1640329 Measured

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Component	Results
butane	Not fulfilling PBT and vPvB criteria
propane-1,2-diol	Not fulfilling PBT and vPvB criteria
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	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 or identification 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			

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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:

REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 (as amended).

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK S.I. 2019/720, and UK S.I. 2020/1567 (as amended).

The Biocidal Products Regulations 2001, UK S.I. 2001/880 (applicable to biocidal products) (as amended).

The Aerosol Dispensers Regulations 2009 (applicable to Aerosol products) (as amended).

The Detergents (Amendment) (EU Exit) Regulations 2020, UK S.I. 2020/1617 (Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (applicable to detergent products) (as amended).

The Regulation (EC) No 1223/2009 on Cosmetic Products as amended by the Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (hereafter 'the Regulation') (applicable to cosmetics)

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

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The Product Safety and Metrology etc. (Amendment etc.) (EU Exit)
Regulations 2019 (S.I. 2019 No. 696) (as amended)

European Agreement concerning the International Carriage of Dangerous
Goods by Road (ADR)

Regulation 2019/1021, as amended by The Persistent Organic Pollutants
(Amendment) (EU Exit) Regulations 2020

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 method according to CLP regulation (EC) No 1272/2008 as amended by GB-CLP Regulation

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 by GB-CLP Regulation

Full text of H-Statements

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H401	Toxic to aquatic life.
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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.