

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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SILICONE GLOSS (ALL FRAGRANCES)

Revision 5

Revision date 2016-11-09

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name SILICONE GLOSS (ALL FRAGRANCES)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet

Company Frogchem Ltd
Address Unit 3-9 Venture Park
 Fareham Road
 Gosport
 Hants.
 PO13 0BA
Web www.frogchem.com
Telephone 01372 377400
Fax 01372 373939
Email wash@frogchem.com
Email address of the competent person wash@frogchem.com

1.4. Emergency telephone number

Emergency telephone number 01372 377400
 9.00am - 5.00pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC F+; R12 Xi; R36-43 R66-67
 Symbols: F+: Extremely flammable. Xi: Irritant.
Main hazards Extremely flammable. Irritating to eyes. May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
2.1.2. Classification - EC 1272/2008 Aerosols 1: H222; Flam. Liq. 2: H225; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H336; Aquatic Chronic 2: H411;

2.2. Label elements

Hazard pictograms 

Signal Word Danger

Hazard Statement Aerosols 1: H222 - Extremely flammable aerosol.
 Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
 Skin Sens. 1: H317 - May cause an allergic skin reaction.

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2.2. Label elements

Precautionary Statement: Prevention	Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area.
	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
Precautionary Statement: Response	
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.

2.3. Other hazards

Other hazards	No data is available on this product.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Butane	601-004-00-0	106-97-8	203-448-7		30 - 40%	F+; R12	
Acetone	606-001-00-8	67-64-1	200-662-2		10 - 20%	F; R11 Xi; R36 R66 R67	
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0		1 - 10%	Xn; R20/21/22 Xi; R36/38	
D-Limonene	601-029-00-7	5989-27-5	227-813-5		1 - 10%	R10 Xi; R38 R43 N; R50/53	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Butane	601-004-00-0	106-97-8	203-448-7		30 - 40%	Flam. Gas 1: H220;	
Acetone	606-001-00-8	67-64-1	200-662-2		10 - 20%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0		1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;	
D-Limonene	601-029-00-7	5989-27-5	227-813-5		1 - 10%	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

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

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Seek medical attention.

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

Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions. Cool fire exposed containers with waterspray. Aerosol cans may explode in a fire.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes. Containers can burst violently or explode when heated, due to excessive pressure build-up.
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5.3. Advice for firefighters

	Wear self contained breathing apparatus and protective clothing. Warn firefighters that aerosols are involved. Containers close to fire should be removed or cooled with water.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Avoid contact with skin and eyes.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Evaporates readily. Ensure adequate ventilation of the working area.
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6.4. Reference to other sections

	See section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION for further information. See section 13. DISPOSAL CONSIDERATIONS for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
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7.3. Specific end use(s)

	See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Occupational exposure controls.
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8.1.1. Exposure Limit Values

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8.1.1. Exposure Limit Values

Acetone	WEL 8-hr limit ppm: 500	WEL 8-hr limit mg/m3: 1210
	WEL 15 min limit ppm: 1500	WEL 15 min limit mg/m3: 3620
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Butane	WEL 8-hr limit ppm: 600	WEL 8-hr limit mg/m3: 1450
	WEL 15 min limit ppm: 750	WEL 15 min limit mg/m3: 1810
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Ethylene glycol monobutyl ether (2-Butoxyethanol)	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m3: 123
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m3: 101.2
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	When using do not smoke.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Due to the packaging form, aerosol, risk of skin contact is small. Chemical resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Keep away from food, drink and animal feedingstuffs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Aerosol
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	-104 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available

Further information

	Flash point (°C) - technically not feasible. The flash point of the lowest flash point material is minus 104 degrees Celcius (-104). This is the flash point of the propellant (LPG - Liquefied Petroleum Gas).
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SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable at normal ambient temperatures and when used as recommended.
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10.2. Chemical stability

	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

	Does not decompose when used and stored as recommended.
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10.4. Conditions to avoid

	Heat, sparks and open flames. Keep away from sources of ignition - No smoking.
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10.5. Incompatible materials

	Oxidising agents. Heat, sparks and open flames.
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10.6. Hazardous decomposition products

	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.

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11.1.4. Toxicological Information

Ethylene glycol monobutyl ether	Dermal Rat LD50: 1100mg/kg	Oral Rat LD50: 1300mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

Ethylene glycol monobutyl ether	Daphnia EC50/48h: 1550.0000 mg/l Rainbow trout LC50/96h: 1474mg/l	Algae EC50/72h: 1840mg/l
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12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	SILICONE GLOSS (ALL FRAGRANCES) No data available
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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12.6. Other adverse effects

	No data is available on this product.
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Further information

	This product has not been tested but contains ingredients which are harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains or watercourses.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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General information

	Do not pierce or burn, even after use.
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN1950
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14.2. UN proper shipping name

	AEROSOLS
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14.3. Transport hazard class(es)

ADR/RID	2
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Subsidiary risk	see SP63
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14.3. Transport hazard class(es)

IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63

14.4. Packing group

Packing group	-
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6. Special precautions for user

	No data is available on this product.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	No data is available on this product.
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ADR/RID

Hazard ID	-
Tunnel Category	(D)

IMDG

EmS Code	F-D S-U
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IATA

Packing Instruction (Cargo)	203
Maximum quantity	150 kg
Packing Instruction (Passenger)	203
Maximum quantity	75 kg

Further information

	For industrial and institutional users can transport these products as "Limited Quantities" (LQ). For the final stages of retail distribution within the UK (only), unpackaged LQ product may be transported without external packaging under the DfT road derogation 4. The user must confirm the condition of the derogation prior to road consignment.
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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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15.2. Chemical safety assessment

	No data is available on this product.
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SECTION 16: Other information

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Other information

Revision	This document differs from the previous version in the following areas:. 1 - Further information. 2 - 2.1.2. Classification - EC 1272/2008.
Text of risk phrases in Section 3	R10 - Flammable R11 - Highly flammable. R12 - Extremely flammable. R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R36/38 - Irritating to eyes and skin. R36 - Irritating to eyes. R38 - Irritating to skin. R43 - May cause sensitisation by skin contact. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	Flam. Gas 1: H220 - Extremely flammable gas. EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Irrit. 2: H315 - Causes skin irritation. Acute Tox. 4: H332 - Harmful if inhaled. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.