



SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) and its latest amendment

Issuing Date: 02-Sep-2019

Revision date 02-Sep-2019

Version 1

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

1.1 Product identifier

Product Form	Mixture
Product Name	Febreze Blossom & Breeze
Product Identifier	91939630_A_RET_CLP_EUR_SAW
Synonyms	PA00228734
Product group	Trade Product

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

Recommended Use	Intended for general public
Main user category	SU 21 - Consumer uses: Private households (= general public = consumers)
Use category	PC3 - Air care products
Uses advised against	No information available

Product category	Aerosol
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1.3 Details of the supplier of the safety data sheet

Details of the supplier of the safety data sheet	Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200
E-mail Address	pgsds.im@pg.com

1.4 Emergency Telephone Number

Emergency Telephone	(UK) Emergency Tel: 0800 328 8304 (IRL) Emergency Tel: 1800 509 497
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Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]
Aerosols Category 3 - (H229)

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

Adverse human health effects and symptoms

No information available

2.2 Label elements

Label according to Regulation (EC) No. 1272/2008

Hazard pictograms	None
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Signal Word	WARNING
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Hazard statements	H229 - Pressurized container: May burst if heated
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Precautionary Statements	P102 - Keep out of reach of children
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Avoid contact with skin and eyes
 P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes
 P501 - Dispose of contents/container to an appropriate local waste system
 Use only as directed
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking
 P251 - Do not pierce or burn, even after use
 P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C

5% by mass of the contents are flammable

EUH208 - Contains Linalool, Delta-Damascone . May produce an allergic reaction.

2.3 Other hazards

Other hazards which do not result in classification No presence of PBT and vPvB ingredients.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical Name	CAS No	EC-No	REACH Registration No	Weight-%	GHS / CLP Classification 1272/2008 [CLP]	M-Factor (chronic)	M-Factor (acute)
Alcohol	64-17-5	200-578-6	01-2119457610-43	5 - 10	Flam. Liq. 2(H225) Eye Irrit. 2(H319)	1	1
Linalool	78-70-6	201-134-4	01-2119474016-42	<1	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Eye Irrit. 2(H319)	1	1
Delta-Damascone	57378-68-4	260-709-8	01-2119535122-53	<1	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Skin Sens. 1A(H317) Aquatic Acute 1(H400) Aquatic Chronic 1(H410)	1	1

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 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Skin contact Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Discontinue use of product.

Eye contact Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation Coughing. Sneezing. Headache. Drowsiness. Dizziness.

Symptoms/injuries after skin contact Redness. Swelling. Dryness. Itching.

Symptoms/injuries after eye contact Severe pain. Redness. Swelling. Blurred vision.

Symptoms/injuries after ingestion Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

Refer to section 4.1.

Section 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO₂).

Extinguishing Media Which Must Not Be Used For Safety Reasons Solid water jet ineffective as extinguishing medium.

5.2 Special hazards arising from the substance or mixture

Fire Hazard No fire hazard. Non-combustible.
Explosion hazard Product is not explosive.
Reactivity No dangerous reaction known under conditions of normal use.

5.3 Advice for firefighters

Special protective equipment for fire-fighters No specific firefighting instructions required.
Protective equipment and precautions for firefighters In case of inadequate ventilation wear respiratory protection.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear suitable gloves and eye/face protection.
Advice for emergency responders Wear suitable gloves and eye/face protection.

6.2 Environmental precautions

Environmental precautions Prevent soil and water pollution. Avoid runoff to waterways and sewers.

6.3 Methods and materials for containment and cleaning up

Methods for containment Scoop absorbed substance into closing containers.
Methods for cleaning up Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Large Spills: contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information Not applicable.

6.4 Reference to other sections

Other information Refer to Sections 8 and 13.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Avoid contact with skin. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. People suffering from perfume sensitivity should be cautious when using this product. Ventilate the room after use.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Store in original container. Refer to section 10.
Incompatible products Refer to section 10.
Incompatible materials Refer to section 10.
Prohibitions on mixed storage Not applicable.
Requirements for storage rooms and containers Store in a cool area. Store in a dry area.

7.3 Specific end uses

Refer to section 1.2.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****National Occupational Exposure****Limits**

Chemical Name	CAS No	Norway	Ireland	United Kingdom	European Union
Alcohol	64-17-5	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	STEL: 1000 ppm	STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³	

Derived No Effect Level (DNEL)**Workers**

Chemical Name	CAS No	Worker - dermal, short-term - systemic	Worker - inhalative, short-term - systemic	Worker - dermal, short-term - local
Linalool	78-70-6	5 mg/kg bw/d	16.5 mg/m ³	15 mg/cm ²
Delta-Damascone	57378-68-4			0.014 mg/cm ²

Chemical Name	CAS No	Worker - inhalative, short-term - local	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic
Alcohol	64-17-5	1900 mg/m ³	343 mg/kg bw/d	950 mg/m ³
Linalool	78-70-6		2.5 mg/kg bw/d	2.8 mg/m ³
Delta-Damascone	57378-68-4		0.4 mg/kg bw/d	1.5 mg/m ³

Chemical Name	CAS No	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Linalool	78-70-6	15 mg/cm ²	

Consumers

Chemical Name	CAS No	Consumer - inhalative, short-term - local	Consumer - dermal, short-term - local	Consumer - oral, short-term - systemic
Alcohol	64-17-5	950 mg/m ³		
Linalool	78-70-6		15 mg/cm ²	1.2 mg/kg bw/d
Delta-Damascone	57378-68-4		0.0086 mg/cm ²	

Chemical Name	CAS No	Consumer - inhalative, short-term - systemic	Consumer - dermal, short-term - systemic	Consumer - oral, long-term - local
Linalool	78-70-6	4.1 mg/m ³	2.5 mg/kg bw/d	

Chemical Name	CAS No	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Alcohol	64-17-5	87 mg/kg bw/d		
Linalool	78-70-6	0.2 mg/kg bw/d		15 mg/cm ²
Delta-Damascone	57378-68-4	0.25 mg/kg bw/d		

Chemical Name	CAS No	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Alcohol	64-17-5	114 mg/m ³	206 mg/kg bw/d
Linalool	78-70-6	0.7 mg/m ³	1.25 mg/kg bw/d
Delta-Damascone	57378-68-4	1.5 mg/m ³	0.4 mg/kg bw.d

Predicted No Effect Concentration (PNEC)

Chemical Name	CAS No	Fresh Water	Marine water	Intermittent release
Alcohol	64-17-5	0.96 mg/L	0.79 mg/L	2.75 mg/L
Linalool	78-70-6	0.2 mg/L	0.02 mg/L	2 mg/L
Delta-Damascone	57378-68-4	0.007 mg/L	0.0007 mg/L	

Chemical Name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
Alcohol	64-17-5	3.6 mg/kg sediment dw	2.9 mg/kg sediment dw	580 mg/L

Linalool	78-70-6	2.22 mg/kg sediment dw	0.222 mg/kg sediment dw	10 mg/L
Delta-Damascone	57378-68-4	0.906 mg/kg sediment dw	0.0906 mg/kg sediment dw	2.41 mg/L

Chemical Name	CAS No	Soil	air	Oral
Alcohol	64-17-5	0.63 mg/kg soil dw		
Linalool	78-70-6	0.327 mg/kg soil dw		
Delta-Damascone	57378-68-4	0.177 mg/kg soil dw		

8.2 Exposure controls

Appropriate engineering controls No information available

Personal protective equipment Protective personal equipment only required in case of professional use or for large packs (not for household packs). For consumer use please follow recommendation as indicated on the label of the product.

Hand Protection Not applicable.

Eye Protection Not applicable.

Skin and Body Protection Not applicable.

Respiratory Protection Not applicable.

Thermal hazards Not applicable.

Environmental exposure controls Prevent that the undiluted product reaches surface waters.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Property	Value / Units	Test Method / Notes
Appearance	Liquid	
Physical state	Liquid	
Color	Clear	
Odor	pleasant (perfume)	
Odor threshold	No data available	Perceived odor at typical use conditions
pH	4.5 - 7	
Melting point / freezing point	No data available	Not available. This property is not relevant for the safety and classification of this product
Boiling point / boiling range	> 80 °C	
Flash point	50 - 65 °C	
Relative Evaporation Rate (butylacetate=1)	0.95 – 1.50	
Flammability (solid, gas)	Not applicable	
Upper/lower flammability or explosive limits	No data available	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	No data available	Not available. This property is not relevant for the safety and classification of this product
Relative density	0.99 – 1.0	
Solubility	Soluble in water	
Partition Coefficient (n-octanol/water)	Not available	Not available. This property is not relevant for the safety and classification of this product
Autoignition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Viscosity	1 - 10 cps	
Explosive properties	No data available	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties CLP (Art 14 (2)).
Oxidizing properties	No data available	Not applicable. This product is not classified as oxidizing as it does not contain any substances which possesses oxidizing properties CLP (Art 14 (2))

9.2 Other information

Other information No information available.

Section 10: STABILITY AND REACTIVITY**10.1 Reactivity**

No dangerous reactions known.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

See section 10.1 on reactivity for more information.

10.4 Conditions to Avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

10.5 Incompatible materials

Not applicable.

10.6 Hazardous Decomposition Products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Mixture**

Acute toxicity	Not Classified.	Based on the available data, the classification criteria are not met.
Skin corrosion/irritation	Not Classified.	Based on the available data, the classification criteria are not met.
Serious eye damage/eye irritation	Not Classified.	Based on the available data, the classification criteria are not met.
Skin sensitization	Not Classified.	Based on the available data, the classification criteria are not met.
Respiratory sensitization	Not Classified.	Based on the available data, the classification criteria are not met.
Germ cell mutagenicity	Not Classified.	Based on the available data, the classification criteria are not met.
Carcinogenicity	Not Classified.	Based on the available data, the classification criteria are not met.
Reproductive toxicity	Not Classified.	Based on the available data, the classification criteria are not met.
STOT - single exposure	Not Classified.	Based on the available data, the classification criteria are not met.
STOT - repeated exposure	Not Classified.	Based on the available data, the classification criteria are not met.
Aspiration hazard	Not Classified.	Based on the available data, the classification criteria are not met.

Substances in the mixture

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Alcohol	64-17-5	10470 mg/kg bw (OECD 401)	-	-
Linalool	78-70-6	2790 mg/kg bodyweight (rat)	-	-
Delta-Damascone	57378-68-4	1400 mg/kg (rat)	-	-

Section 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Ecotoxicity effects No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute toxicity

Chemical Name	CAS No	Fish	Algae/aquatic plants	Crustacea	Toxicity to microorganisms
Alcohol	64-17-5	14200 mg/L (US EPA E03-05; Pimephales)	275 mg/L (//OECD 201; Chlorella)	5012 mg/L (ASTM E729-80;	> 1000 mg/L (OECD 209; 3 h)

		promelas; 96 h)	vulgaris; 72 h)	Ceriodaphnia dubia; 48 h)	
Linalool	78-70-6	27.8 mg/L (OECD 203; Oncorhynchus mykiss; 96 h)	156.7 mg/L (DIN 38412 L 9; Desmodemus subspicatus; 96 h)	59 mg/L (OECD 202; Daphnia magna; 48 h)	> 100 mg/L (OECD 209; 3 h)

Chronic Toxicity

Chemical Name	CAS No	Toxicity to fish (NOEC or ECx)*	Toxicity to algae (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*
Alcohol	64-17-5	7900 mg/L (Oryzias latipes; 8.33 d)	11.5 mg/L (//OECD 201; Chlorella vulgaris; 3 d)	9.6 mg/L (Ceriodaphnia dubia; 10 d)	
Linalool	78-70-6		54.3 mg/L (DIN 38412 L 9; Desmodemus subspicatus; 4 d)		> 100 mg/L (OECD 209; 0.125 d)

12.2 Persistence and degradability**Persistence and degradability**

Chemical Name	CAS No	Persistence and degradability	Ready Biodegradation Test (OECD 301)
Alcohol	64-17-5	Biodegradable.	84% O ₂ ; 20 d
Linalool	78-70-6	Biodegradable.	64.2% O ₂ ; OECD 301 D; 28 d

12.3 Bioaccumulative potential**Bioaccumulative potential** No information available.

Chemical Name	CAS No	Bioaccumulative potential	Octanol/water partition coefficient
Alcohol	64-17-5	Not expected to bioaccumulate due to the low log K _{ow} (log K _{ow} < 4)	-0.35
Linalool	78-70-6	Not expected to bioaccumulate due to the low log K _{ow} (log K _{ow} < 4)	2.84

12.4 Mobility in soil**Mobility** No information available.

Chemical Name	CAS No	log K _{oc}
Alcohol	64-17-5	1 (QSAR PCKOCWIN v1.66)

12.5 Results of PBT and vPvB assessment**PBT and vPvB assessment** This mixture does not contain any substances that are assessed to be a PBT or a vPvB.**12.6 Other adverse effects****Other adverse effects** No information available.**Section 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods****Waste from Residues/Unused Products** Dispose of in accordance with local regulations.**Disposal Recommendations**

The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer.

EWC Waste Disposal No

16 05 04* - gases in pressure containers (including halons) containing dangerous substances

13.2 Additional information**Section 14: TRANSPORT INFORMATION**

IMDG

14.1 UN Number UN1950
 14.2 UN proper shipping name AEROSOLS
 Description UN1950, AEROSOLS, 2.2
 14.3 Transport hazard class(es) 2.2
 14.4 Packing Group Not applicable
 14.5 Marine pollutant Not regulated
 EmS-No. F-D, S-U
 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code No information available
 IMDG Comment The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size

IATA

14.1 UN Number UN1950
 14.2 UN proper shipping name AEROSOLS, NON-FLAMMABLE
 Description UN1950, AEROSOLS, NON-FLAMMABLE, 2.2
 14.3 Transport hazard class(es) 2.2
 14.4 Packing Group Not applicable
 14.5 Marine pollutant Not regulated
 Comments

ADR

14.1 UN Number UN1950
 14.2 UN proper shipping name AEROSOLS
 Description UN1950, AEROSOLS, 2.2
 14.3 Transport hazard class(es) 2.2
 14.4 Packing Group Not applicable
 14.5 Marine pollutant Not regulated
 Classification code 5A
 Labels 2.2

RID

14.1 UN Number UN1950
 14.2 UN proper shipping name AEROSOLS
 Description UN1950, AEROSOLS, 2.2
 14.3 Transport hazard class(es) 2.2
 14.4 Packing Group Not applicable
 14.5 Marine pollutant Not regulated
 Classification code 5A
 Labels 2.2

ADN

14.1 UN Number UN1950
 14.2 UN proper shipping name AEROSOLS
 Description UN1950, AEROSOLS, 2.2
 14.3 Transport hazard class(es) 2.2
 14.4 Packing Group Not applicable
 14.5 Marine pollutant Not regulated
 Classification code 5A
 Hazard label(s) 2.2
 Limited quantity (LQ) 1 L
 Ventilation VE04
 Equipment Requirements PP

Section 15: REGULATORY INFORMATION

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

EU Regulations

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Contains no REACH substances with Annex XVII restrictions.

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Contains no substance on the REACH candidate list.

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation Contains no REACH Annex XIV substances.

CESIO Recommendations The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Other regulations, restrictions and prohibition regulations Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]. Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006). Aerosol Directive (75/324/EEC).

National regulatory information

15.2 Chemical Safety Assessment

Chemical Safety Assessment No chemical safety assessment has been carried out for this mixture per REACH regulation.

International Inventories

Section 16: OTHER INFORMATION

16.1 Indication of changes

Issuing Date:	02-Sep-2019
Revision date	02-Sep-2019
Revision Note	Not applicable

16.2 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 ATE: Acute Toxicity Estimate
 DNEL: Derived No Effect Level
 EC50: Calculated concentration causing a 50% reduction in cellular reproduction
 IATA: International Air Transport Association
 IMDG: International Maritime Dangerous Goods Code
 LC50: Lethal Concentration to 50% of a test population
 LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)
 OECD - Organization for Economic Cooperation and Development
 OEL: Occupational Exposure Limit
 PBT: Persistent, Bioaccumulative and Toxic substance
 PNEC(s): Predicted No Effect Concentration(s)
 REACH- Registration, Evaluation and Authorization of Chemicals
 vPvB: Very Persistent and Very Bioaccumulative

16.3 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Physical Hazards

Aerosols Category 3 Expert judgment and weight of evidence determination

16.4 Full text of H-Statements referred to under sections 2 and 3

H225 - Highly flammable liquid and vapor
H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and its amendment Regulation (EU) 2015/830

16.5 Training Advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

16.6 Further information

Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

End of SDS