



SAFETY DATA SHEET

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

Issuing Date: 10-Dec-2019

Revision date 10-Dec-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 Classic
Product Identifier	90758045_RET_CLP_EUR
Synonyms	PA00207416
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 Fabric Refresher

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

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]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

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

Signal Word None

Precautionary Statements Not applicable

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	1 - 5	Flam. Liq. 2(H225) Eye Irrit. 2(H319)	1	1
Maleic Acid	110-16-7	203-742-5	01-2119488705-25	<1	Acute Tox. 4 (Oral)(H302) Acute Tox. 4 (Dermal)(H312) Skin Irrit. 2(H315) Eye Irrit. 2(H319) Skin Sens. 1(H317) STOT SE 3(H335)	1	1
Didecylidmonium Chloride	7173-51-5	230-525-2	01-2119945987-15	<1	Acute Tox. 3 (Oral)(H301) Skin Corr. 1B(H314) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)	1	10

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. Call a POISON CENTER or doctor/physician.
Skin contact	IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention. Discontinue use of product.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	Coughing. Sneezing. Headache. Drowsiness. Dizziness. Shortness of breath.
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 Not applicable.

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. Prevent spreading in sewers.
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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.
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Section 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on safe handling	Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.
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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
Maleic Acid	110-16-7		3 mg/m ³	

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
Didecylidimonium Chloride	7173-51-5		8.6 mg/kg bw/d	18.2 mg/m ³
Maleic Acid	110-16-7	3 mg/m ³		3 mg/m ³

Chemical Name	CAS No	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Maleic Acid	110-16-7		3 mg/m ³

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		

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		

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

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
Didecylidimonium Chloride	7173-51-5	0.002 mg/L	0.0002 mg/L	0.00029 mg/L
Maleic Acid	110-16-7	0.1 mg/L	0.01 mg/L	0.428 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
Didecylidimonium Chloride	7173-51-5	2.82 mg/kg sediment dw	0.28 mg/kg sediment dw	0.595 mg/L
Maleic Acid	110-16-7	0.334 mg/kg sediment dw	0.033 mg/kg sediment dw	44.6 mg/L

Chemical Name	CAS No	Soil	air	Oral
Alcohol	64-17-5	0.63 mg/kg soil dw		
Didecylidimonium Chloride	7173-51-5	1.4 mg/kg soil dw		
Maleic Acid	110-16-7	0.042 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	6.2 - 7.2	
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	> 95 °C	
Flash point	No Flash to Boiling (NFTB)	Does not sustain combustion <=75°C
Relative Evaporation Rate (butylacetate=1)	No data available	Not available. This property is not relevant for the safety and classification of this product
Flammability (solid, gas)	Not applicable	Not applicable. This property is not relevant for liquid product forms
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	0.97 - 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 cP	
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

None under normal use conditions.

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)	-	-
Didecyldimonium Chloride	7173-51-5	329 mg/kg bw (OECD 401)	-	-
Maleic Acid	110-16-7	500 mg/kg bw	1100 mg/kg bw	-

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 promelas; 96 h)	275 mg/L (//OECD 201; Chlorella vulgaris; 72 h)	5012 mg/L (ASTM E729-80; Ceriodaphnia dubia; 48 h)	> 1000 mg/L (OECD 209; 3 h)
Didecyldimonium Chloride	7173-51-5	0.49 mg/L (OECD 203; Danio rerio; 96 h)	0.062 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	0.029 mg/L (OECD 202; Daphnia magna; 48 h)	17.9 mg/L (OECD 209; 3 h)
Maleic Acid	110-16-7	75 mg/L (US EPA-660/3-75-009; Lepomis macrochirus; 96 h)	74.35 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	42.81 mg/L (OECD 202; Daphnia magna; 48 h)	44.6 mg/L (DIN 38412-8; 18 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)	
Didecyldimonium Chloride	7173-51-5		0.013 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)	0.021 mg/L (OECD 211; Daphnia magna; 21 d)	4 mg/L (OECD 209; 3 h)
Maleic Acid	110-16-7		11.8 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)	10 mg/L (Daphnia magna; 21 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
Didecyldimonium Chloride	7173-51-5	Biodegradable.	71% CO ₂ ; OECD 301 B; 60% (10 d)
Maleic Acid	110-16-7		97.08% CO ₂ ; OECD 301 B; 68.15% (10 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 Kow (log Kow < 4)	-0.35
Didecyldimonium Chloride	7173-51-5	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	-0.41
Maleic Acid	110-16-7	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	-1.3

12.4 Mobility in soil

Mobility No information available.

Chemical Name	CAS No	log Koc
Alcohol	64-17-5	1 (QSAR PCKOCWIN v1.66)
Didecyldimonium Chloride	7173-51-5	24433 (OECD 106)
Maleic Acid	110-16-7	42

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. Where possible recycling is preferred to disposal or incineration. For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.

EWC Waste Disposal No

20 01 29* - detergents containing dangerous substances

15 01 10* - packaging containing residues of or contaminated by dangerous substances

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

- 14.1 UN Number Not applicable
 14.2 UN proper shipping name Not applicable
 14.3 Transport hazard class(es) Not applicable
 14.4 Packing Group Not applicable
 14.5 Marine pollutant Not regulated
 14.7 Transport in bulk according to Annex II of MARPOL and the IBC No information available

Code**IATA**

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing Group	Not applicable
14.5 Marine pollutant	Not regulated

ADR

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing Group	Not applicable
14.5 Marine pollutant	Not regulated

RID

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing Group	Not applicable
14.5 Marine pollutant	Not regulated

ADN

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing Group	Not applicable
14.5 Marine pollutant	Not regulated

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.

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).

National regulatory information

44/2000 EüM rendelet, 2000/25 törvény

15.2 Chemical Safety Assessment

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

Section 16: OTHER INFORMATION

16.1 Indication of changes

Issuing Date:	10-Dec-2019
Revision date	10-Dec-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]**16.4 Full text of H-Statements referred to under sections 2 and 3**

H225 - Highly flammable liquid and vapor
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H400 - Very toxic to aquatic life
H411 - 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