



SAFETY DATA SHEET

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

Issuing Date: 26-Aug-2020

Revision date 26-Aug-2020

Revision Number 1

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

1.1 Product identifier

Product Form	Mixture
Product Name	Febreze Fabric Refresher – Antibac
Product Identifier	91476797_RET_CLP_EUR
Synonyms	C-91476797-004
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	PC8 - Biocidal Products (e.g. disinfectants, pest control)
Uses advised against	No information available

Product category	Fabric Refresher
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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]

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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Precautionary Statements	P501 - Dispose of contents/container to an appropriate local waste system Use only as directed Do not spray directly towards face KEEP OUT OF REACH OF CHILDREN AND PETS
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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 relevant.

3.2 Mixtures

Chemical name	CAS No	EC No	REACH Registration No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	M-Factor (long-term)	M-Factor
Didecyltrimonium Chloride	7173-51-5	230-525-2	01-2119945987-15	<1	Acute Tox. 4 (Oral)(H302) Skin Corr. 1B(H314) Eye Dam. 1(H318) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)		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 relevant.

5.2 Special hazards arising from the substance or mixture

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.

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 relevant.

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 Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

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 relevant.

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 No information available

Derived No Effect Level (DNEL)
Workers

Chemical name	CAS No	Worker - inhalative, short-term - local	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic
Didecyltrimonium Chloride	7173-51-5		8.6 mg/kg bw/d	18.2 mg/m ³

Predicted No Effect Concentration (PNEC)

Chemical name	CAS No	Fresh Water	Marine water	Intermittent release
Didecyltrimonium Chloride	7173-51-5	0.002 mg/L	0.0002 mg/L	0.00029 mg/L

Chemical name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
Didecyltrimonium Chloride	7173-51-5	2.82 mg/kg sediment dw	0.28 mg/kg sediment dw	0.595 mg/L

Chemical name	CAS No	Soil	air	Oral
Didecyltrimonium Chloride	7173-51-5	1.4 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 relevant.

Eye Protection Not relevant.

Skin and Body Protection Not relevant.

Respiratory Protection Not relevant.

Thermal hazards Not relevant.

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 relevant	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	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))
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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 relevant.

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
Didecyltrimonium Chloride	7173-51-5	329 mg/kg bw (OECD 401)	-	-

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
Didecyltrimonium Chloride	7173-51-5	0.49 mg/L (OECD 203; Danio rerio; 96 h)	0.062 mg/L (OECD 201;)	0.029 mg/L (OECD 202; Daphnia magna; 48 h)	17.9 mg/L (OECD 209; 3 h)

		h)	Pseudokirchneriella subcapitata; 72 h)	48 h)	
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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)*
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)

12.2 Persistence and degradability**Persistence and degradability**

Chemical name	CAS No	Persistence and degradability	Ready Biodegradation Test (OECD 301)	Biodegradation Other Tests
Didecyldimonium Chloride	7173-51-5		71% CO ₂ ; OECD 301 B; 60% (10 d)	t _{1/2} : 100 d (Guideline not indicated; method: Technical Assistance Document 3.12 of the Environmental Assessment Handbook, FDA; aerobic; in loam soil)

12.3 Bioaccumulative potential

Bioaccumulative potential No information available.

Chemical name	CAS No	Bioaccumulative potential	Octanol/water partition coefficient
Didecyldimonium Chloride	7173-51-5	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	-0.41

12.4 Mobility in soil

Mobility No information available.

Chemical name	CAS No	log Koc
Didecyldimonium Chloride	7173-51-5	24433 (OECD 106)

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
Disposal Recommendations

Dispose of in accordance with local regulations.

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

14.1 UN number	Not relevant
14.2 UN proper shipping name	Not relevant
14.3 Transport hazard class(es)	Not relevant
14.4 Packing group	Not relevant
14.5 Marine pollutant	Not regulated

ADR

14.1 UN number	Not relevant
14.2 UN proper shipping name	Not relevant
14.3 Transport hazard class(es)	Not relevant
14.4 Packing group	Not relevant
14.5 Marine pollutant	Not regulated

RID

14.1 UN number	Not relevant
14.2 UN proper shipping name	Not relevant
14.3	
14.4 Packing group	Not relevant
14.5 Marine pollutant	Not regulated

ADN

14.1 UN number	Not relevant
14.2 UN proper shipping name	Not relevant
14.3	
14.4 Packing group	Not relevant
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). Biocidal Products Regulation (EU) No 528/2012 (BPR).

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.
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Section 16: OTHER INFORMATION

16.1 Indication of changes

Issuing Date:	26-Aug-2020
Revision date	26-Aug-2020
Revision Note	Not relevant

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

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
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