

SAFETY DATA SHEET



Issuing Date: 22-Aug-2017

Revision Date: 22-Aug-2017

Version 1

According to Regulation (EC) No. 1907/2006 (REACH) and its amendment Regulation (EU) 2015/830

This Safety Data Sheet (SDS) is not required under local legislation, implementing the UN Globally Harmonized System (GHS). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Code(s) 8-36
Product Identifier 91410854_DIL_PROF_CLP_LATAM
Product Name Febreze® Professional™ Fabric Refresher with Gain Scent, Made-from-Concentrate

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

Recommended Use Fabric Refresher

1.3 Details of the supplier of the safety data sheet

Procter & Gamble Company

For further information, please contact: pgsds.im@pg.com

1.4 Emergency Telephone Number

Emergency Telephone CONTACT CHEMTREC
International toll-free translation services to U.S: +001-703-527-3887
In Country Numbers:
Argentina +(54)-1159839431
Brazil +(55)-2139581449
Chile +(56)-25814934
Columbia 01-800-710-2151
Mexico 01-800-681-9531

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

GHS / CLP - Regulation (EC) No 1272/2008

Acute toxicity - Oral Category 4 - (H302)
Serious eye damage/eye irritation Category 2 - (H319)

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

2.2 Label elements

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

Hazard pictograms



Signal Word

WARNING

Hazard Statements

H302 - Harmful if swallowed
H319 - Causes serious eye irritation
Contains Citronellol . May produce an allergic reaction.

2.3 Other hazards

Other hazards

None.

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 (acute)	M-Factor (chronic)
Ethanol	64-17-5	200-578-6	01-2119457610-43-04 79	10 - 30	Flam. Liq. 2(H225) Eye Irrit. 2(H319)		
Didecyldimethylammonium chloride	7173-51-5	230-525-2	01-2119945987-15	0.1 - 1	Acute Tox. 4(H302) Skin Corr. 1B(H314) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)	10	

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

4. FIRST AID MEASURES

4.1 Description of first-aid measures

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Refer to section 4.1

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Water. Dry chemical. Alcohol-resistant foam.

Extinguishing Media Which Must Not Be Used For Safety Reasons No information available.

5.2 Special hazards arising from the substance or mixture

Special hazard None in particular.

5.3 Advice for firefighters

Special protective equipment for fire-fighters Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Wear personal protective clothing (see section 8).

6.2 Environmental precautions

Environmental precautions Keep out of waterways. Do not discharge product into natural waters without pre-treatment or adequate dilution.

6.3 Methods and materials for containment and cleaning up

Methods for containment Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

Other information Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Keep container closed when not in use. Never return spills in original containers for re-use. Use personal protective equipment as required. Keep out of the reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

conditions

Requirements for storage areas and Not applicable containers

7.3. Specific end use(s)

Specific end uses Not applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Guidelines
Recommended monitoring Not available procedures

Chemical Name	CAS-No	Austria	Belgium	Bulgaria	Czech Republic	Denmark		
Ethanol	64-17-5	STEL 2000 ppm STEL 3800 mg/m ³ TWA 1000 ppm TWA 1900 mg/m ³ TWA: 1000 ppm TWA: 1900 mg/m ³	TWA 1000 ppm TWA 1907 mg/m ³	TWA: 1000 mg/m ³	Ceiling: 3000 mg/m ³ TWA: 1000 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³		
Chemical Name	CAS-No	Estonia	European Union	Finland	France	Germany MAK		
Ethanol	64-17-5	STEL: 1000 ppm STEL: 1900 mg/m ³ TWA: 500 ppm TWA: 1000 mg/m ³	-	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 1920 mg/m ³ Skin		
Chemical Name	CAS-No	Greece	Israel - Occupational Exposure Limits - TWAs	Ireland	Italy	Italy		
Ethanol	64-17-5	TWA 1000 ppm TWA 1900 mg/m ³		STEL: 1000 ppm	-			
Chemical Name	CAS-No	Latvia	Lithuania	Norway	Poland	Portugal		
Ethanol	64-17-5	TWA: 1000 mg/m ³	TWA 500 ppm TWA 1000 mg/m ³	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	TWA: 1900 mg/m ³	TWA: 1000 ppm		
Chemical Name	CAS-No	Romania	Slovakia	Slovenia	Spain	Switzerland		
Ethanol	64-17-5	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: STEL ppm STEL: STEL mg/m ³	STEL: 1000 ppm STEL: 1910 mg/m ³	STEL: 1000 ppm STEL: 1920 mg/m ³ TWA: 500 ppm TWA: 960 mg/m ³		
Chemical Name	CAS-No	Sweden	The Netherlands	The United Kingdom	Singapore	Turkey	Thailand	Philippines
Ethanol	64-17-5	500 ppm LLV 1000 mg/m ³ LLV 500 ppm LLV; 1000 mg/m ³ LLV	Skin STEL: 1900 mg/m ³ TWA: 260 mg/m ³	STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³	PEL: 1000 ppm PEL: 1880 mg/m ³			TWA: 1000 ppm TWA: 1900 mg/m ³

Derived No Effect Level (DNEL)

Workers

Chemical Name	Worker - dermal, short-term - systemic	Worker - inhalative, short-term - systemic	Worker - dermal, short-term - local	Worker - inhalative, short-term - local
Ethanol				1900 mg/m ³

Chemical Name	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Ethanol	343 mg/kg bw/d	950 mg/m ³		
Didecyldimethylammonium chloride	8.6 mg/kg bw/d	18.2 mg/m ³		

Consumers

Chemical Name	Consumer - inhalative, short-term - local	Consumer - dermal, short-term - local
Ethanol	950 mg/m ³	

Chemical Name	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Ethanol	87 mg/kg bw/d	114 mg/m ³	206 mg/kg bw/d

Predicted No Effect Concentration (PNEC)

Chemical Name	Fresh Water	Marine water	Intermittent release
Ethanol	0.96 mg/L	0.79 mg/L	2.75 mg/L
Didecyldimethylammonium chloride	0.002 mg/L	0.0002 mg/L	0.00029 mg/L

Chemical Name	Freshwater sediment	Marine sediment	Sewage treatment plant	Soil	air	Oral
Ethanol	3.6 mg/kg sediment dw	2.9 mg/kg sediment dw	580 mg/L	0.63 mg/kg soil dw		
Didecyldimethylammonium chloride	2.82 mg/kg sediment dw	0.28 mg/kg sediment dw	0.595 mg/L	1.4 mg/kg soil dw		

8.2 Exposure controls

Appropriate engineering controls No information available

Personal protective equipment

Hand Protection No special protective equipment required.

Eye Protection **Manufacturing Sites:** . Wear safety glasses with side shields (or goggles).

Skin and Body Protection No special protective equipment required.

Respiratory Protection No special protective equipment required.

Hygiene Measures **Manufacturing Sites:**
Wash hands thoroughly after handling

Environmental exposure controls See section 6 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State @20°C Liquid
Appearance Clear, colorless
Odor citrus

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH	7.0	

Melting/freezing point	Not available	Not available. This property is not relevant for the safety and classification of this product
Boiling point / boiling range	Not available	
Flash point	72 °C / 161.6 °F	Closed cup. Does not sustain combustion. Product is an aqueous solution containing <=24% alcohol and >=50% water.
Evaporation rate	Not available	Not available. This property is not relevant for the safety and classification of this product
Upper flammability limit	Not available	Not available. This property is not relevant for the safety and classification of this product .
Lower Flammability Limit	Not available	Not available. This property is not relevant for the safety and classification of this product
Flammability (solid, gas)	Not available	Not applicable. This property is not relevant for liquid product forms
Vapor pressure	Not available	Not available. This property is not relevant for the safety and classification of this product
Vapor density	Not available	Not available. This property is not relevant for the safety and classification of this product
Relative density	Not available	
Solubility	Not available	Not available. This property is not relevant for the safety and classification of this product
Partition Coefficient (n-octanol/water)	Not available	Not available. This property is not relevant for the safety and classification of this product
Autoignition temperature	Not available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	Not available	Not available. This property is not relevant for the safety and classification of this product
Viscosity	Not available	
Explosive properties	Not applicable	Not applicable. This product does not contain any substance which possesses dust explosible properties.
Oxidizing properties	Not 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

VOC Content (%) Products comply with US state and federal regulations for VOC content in consumer products.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity None under normal use conditions.

10.2 Chemical stability

Stability Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization None under normal processing.

10.4 Conditions to Avoid

Conditions to Avoid No information available.

10.5 Materials to avoid

Incompatible Materials None in particular.

10.6 Hazardous Decomposition Products

Hazardous Decomposition Products None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

Principle routes of exposure	Ingestion, Eye contact, Skin contact, Inhalation.
Acute toxicity	Harmful if swallowed.
Skin corrosion/irritation	Not Classified. Based on the available data, the classification criteria are not met.
Serious eye damage/eye irritation	Causes serious eye irritation.
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.

Component Information

Chemical Name	CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	64-17-5	10470 mg/kg bw (OECD 401)	-	116.9 mg/L air (//OECD 403)
Didecyldimethylammonium chloride	7173-51-5	329 mg/kg bw (OECD 401)	-	-

Chemical Name	Carcinogenicity	Species	Developmental toxicity	Species	Eye Damage	Species	Mutagenicity	Species
Didecyldimethylammonium chloride					Y (0.1%)	Rabbit		

Chemical Name	Reproductive toxicity	Species	Skin corrosion/irritation	Species	Sensitization	Species
Didecyldimethylammonium chloride			Y (100%; OECD 404)	Rabbit		

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Acute toxicity

Chemical Name	CAS-No	Toxicity to Fish (LC50)*	Toxicity to algae (EC50)*	Toxicity to daphnia and other aquatic invertebrates (EC50)*	Toxicity to Microorganisms (EC50)*	Toxicity to other organisms
Ethanol	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)	-
Didecyldimethylammonium chloride	7173-51-5	0.49 mg/L (OECD 203; Danio rerio; 96 h)	0.062 mg/L (OECD 201; 96 h)	0.029 mg/L (OECD 202; Daphnia 48 h)	17.9 mg/L (OECD 209; 3 h)	190 mg/kg soil dw (OECD 208; 14 d)

		96 h)	Pseudokirchneriella subcapitata; 72 h)	magna; 48 h)		Trifolium pratense; seedling emergence; based on active ingredient; 14 d)
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* If different it will be explained in the table

Chronic Toxicity

Chemical Name	CAS-No	Toxicity to algae (NOEC or ECx)*	Toxicity to fish (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*	Toxicity to other organisms
Ethanol	64-17-5	11.5 mg/L (//OECD 201; Chlorella vulgaris; 3 d)	7900 mg/L (Oryzias latipes; 8.33 d)	9.6 mg/L (Ceriodaphnia dubia; 10 d)		
Didecyldimethylammonium 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)	125 mg/kg soil dw (OECD 222 and BBA guideline, 1994; Eisenia fetida; based on active ingredient; 55 d)

* If different it will be explained in the table

12.2 Persistence and degradability

Chemical Name	CAS-No	Ready Biodegradation Test (OECD 301)	Abiotic Degradation Hydrolysis	Abiotic Degradation Photolysis	Biodegradation Other Tests
Ethanol	64-17-5	84% O ₂ ; 20 d			
Didecyldimethylammonium chloride	7173-51-5	71% CO ₂ ; OECD 301 B; 60% (10 d)			t1/2: 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

Chemical Name	CAS-No	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Ethanol	64-17-5	-0.35	<10 (Read across data on Methanol; guideline not indicated; Leuciscus idus melanotus; aqueous; freshwater; 72 h)
Didecyldimethylammonium chloride	7173-51-5	-0.41	

12.4 Mobility in soil

Chemical Name	CAS-No	log K _{oc}
Ethanol	64-17-5	1 (QSAR PCKOCWIN v1.66)
Didecyldimethylammonium chloride	7173-51-5	24433 (OECD 106)

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from Residues / Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Disposal recommendations	Dispose of in accordance with federal, state, and local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EWC Waste Disposal No	07 06 01

13.2 Additional information

Additional information	No information available
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14. TRANSPORT INFORMATION

IMDG

14.1 UN Number	Not regulated
14.2 UN Proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazards	Not regulated
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	No information available

IATA

14.1 UN no	Not regulated
14.2 UN Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazards	Not regulated

ICAO

14.1 UN no	Not regulated
14.2 UN Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazards	Not regulated

ADR

14.1 UN no	Not regulated
14.2 UN Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazards	Not regulated

RID

14.1 UN no	Not regulated
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14.2 UN Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazards	Not regulated

ADN

14.1 UN no	Not regulated
14.2 UN Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazards	Not regulated

15. REGULATORY INFORMATION

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

International Inventories

Australian Inventory of Chemical Substances (AICS) Complies

16. OTHER INFORMATION

16.1 Indication of changes

Issuing Date:	22-Aug-2017
Revision Date:	22-Aug-2017
Reason for revision	Not applicable

16.2 Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS-No: Chemical Abstracts Service number
CLP - The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008)
EINECS: European Inventory of Existing Commercial Chemical Substances
EC-Number: EINECS and ELINCS Number (see also EINECS and ELINCS)
EC50: Calculated concentration causing a 50% reduction in cellular reproduction
GHS- Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
IATA: International Air Transport Association
LC50: Lethal Concentration to 50% of a test population
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)
PVC- Polyvinylchloride
REACH- Registration, Evaluation and Authorization of Chemicals
STEL: Short term exposure limit
STP- Sewage treatment plant

16.3 Key literature references and sources for data

No information available

16.4 Classification

Acute toxicity - Oral

Category 4

Serious eye damage/eye irritation

Category 2

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

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

H225 - Highly flammable liquid and vapor
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye 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

16.6 Training Advice

No information available

16.7 Further information

Prepared By

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Disclaimer

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.

End of SDS