SAFETY DATA SHEET

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

Issuing Date: 07-Dec-2020 **Revision date** 07-Dec-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	Flash Professional disinfecting cleaner for food surfaces
Product Identifier	91630914_PGP_CLP_EUR
Synonyms	C-91630914-003
Product group	Trade Product

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

Recommended use	Restricted to professional users
Main user category	SU 22 - Professional uses
Use category	PC35 - Washing and cleaning products (including solvent based products) PC8 - Biocidal Products (e.g. disinfectants, pest control)
Uses advised against	No information available
Product category	Biocide All purpose cleaner

1.3 Details of the supplier of the safety data sheet

Details of the supplier of the safety data sheet	Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200
E-mail Address	customerservice@pgprof.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	P260 - Do not breathe spray P501 - Dispose of contents/container to an appropriate local waste system
EU Specific Hazard Statements	EUH210 - Safety data sheet available on request.

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
Didecyldimonium 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
Lauramine Oxide	308062-28-4	931-292-6	01-2119490061-47	<1	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)		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. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

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

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: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation Coughing. Sneezing.

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 (CO_2).

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 Consumer products ending up down the drain after use. 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

Cleaning/washing agents and additives.

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 - dermal, short-term - systemic	Worker - inhalative, short-term - systemic	Worker - dermal, short-term - local
Didecyldimonium Chloride	7173-51-5	#REF!		

Chemical name	CAS No	Worker - inhalative, short-term - local	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic
Didecyldimonium Chloride	7173-51-5		8.6 mg/kg bw/d	18.2 mg/m³

Lauramine Oxide	308062-28-4		11 mg/kg bw/d	6.2 mg/m³

Consumers

Chemical name	CAS No	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Lauramine Oxide	308062-28-4	0.44 mg/kg bw/d		

Chemical name	CAS No	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Lauramine Oxide	308062-28-4	1.53 mg/m³	5.5 mg/kg bw/d

Predicted No Effect Concentration (PNEC)

Chemical name	CAS No	Fresh Water	Marine water	Intermittent release
Didecyldimonium Chloride	7173-51-5	0.002 mg/L	0.0002 mg/L	0.00029 mg/L
Lauramine Oxide	308062-28-4	0.0335 mg/L	0.00335 mg/L	0.0335 mg/L

Chemical name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
Didecyldimonium Chloride	7173-51-5	2.82 mg/kg sediment dw	0.28 mg/kg sediment dw	0.595 mg/L
Lauramine Oxide	308062-28-4	5.24 mg/kg sediment dw	0.524 mg/kg sediment dw	24 mg/L

Chemical name	CAS No	Soil	air	Oral
Didecyldimonium Chloride	7173-51-5	1.4 mg/kg soil dw		
Lauramine Oxide	308062-28-4	1.02 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 Wear eye/face protection.

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	colored	
Odor	Odorless	
Odor threshold	No Data Available	Perceived odor at typical use conditions
pH	11 - 11.2	
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	No data available	
Flash point	No Flash to Boiling (NFTB)	
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	1-1.2	
Solubility	Soluble in water	
Partition coefficient	Not available	
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	
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 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
Didecyldimonium Chloride	7173-51-5	329 mg/kg bw (OECD 401)	-	-
Lauramine Oxide	308062-28-4	1064 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-

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
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; Activated sludge; 3 h)
Lauramine Oxide	308062-28-4	2.67 mg/L (Pimephales promelas; 96 h)	0.266 mg/L (//OECD 201; Pseudokirchneriella subcapitata; 72 h)	3.1 mg/L (OECD 202; Daphnia magna; 48 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)*
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)
Lauramine Oxide	308062-28-4	0.42 mg/L (//US EPA OPPTS 850.1500; Pimephales promelas; 302 d)	0.078 mg/L (//OECD 201; Pseudokirchneriella subcapitata; 3 d)	0.7 mg/L (//OECD 211; Daphnia magna; 21 d)	24 mg/L (Pseudomonas putida; 18 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% CO2; 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)
Lauramine Oxide	308062-28-4		90% CO2; OECD 301 B; > 60% (10 d)	90% CO2; OECD 301 B; > 60% (10 d)

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)	2.59 (OECD 105)
Lauramine Oxide	308062-28-4	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	< 2.7

12.4 Mobility in soil

Mobility No information available.

Chemical name	CAS No	log Koc
Didecyldimonium Chloride	7173-51-5	14072 (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 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. Empty, uncleaned packaging need the same disposal considerations as filled packaging. For handling waste, see measures described in section 7.

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.
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). Biocidal Products Regulation (EU) No 528/2012 (BPR).

National regulatory information

No information available

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:	07-Dec-2020
Revision date	07-Dec-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
H315 - Causes skin irritation
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