

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

Issuing Date: 20-Oct-2020

Revision date 20-Oct-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 All purpose cleaner
Product Identifier	91709674_PGP_CLP_EUR_SAW
Synonyms	C-91709674-001
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	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]

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)

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



Signal Word

DANGER

**Hazard statements** H315 - Causes skin irritation  
H318 - Causes serious eye damage

**Precautionary Statements** P102 - Keep out of reach of children  
P101 - If medical advice is needed, have product container or label at hand  
P302 + P352 - IF ON SKIN: Wash with plenty of water  
P501 - Dispose of contents/container to an appropriate local waste system  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER/doctor

### 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
Deceth-n	26183-52-8	Polymer		1 - 5	Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318)		
Didecyltrimonium Chloride	7173-51-5	230-525-2	01-2119945987-15	1 - 5	Acute Tox. 4 (Oral)(H302) Skin Corr. 1B(H314) Eye Dam. 1(H318) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)		10
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	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 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.

**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<sub>2</sub>).

**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. Store in a cool, well ventilated 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/m <sup>3</sup>
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	308062-28-4		11 mg/kg bw/d	6.2 mg/m <sup>3</sup>

##### Consumers

Chemical name	CAS No	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	308062-28-4	0.44 mg/kg bw/d		

Chemical name	CAS No	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	308062-28-4	1.53 mg/m <sup>3</sup>	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
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	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
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	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		
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	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**

Wear suitable gloves.

**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	pleasant (perfume)	
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	> 90 °C	
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	No Data Available	
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

<b>Acute toxicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.
<b>Skin sensitization</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Respiratory sensitization</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>STOT - single exposure</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Aspiration hazard</b>	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
Deceth-n	26183-52-8	300 mg/kg	>2000 mg/kg	-
Didecylidmonium Chloride	7173-51-5	329 mg/kg bw (OECD 401)	-	-
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	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
Deceth-n	26183-52-8	10 - 100 mg/L (OECD 203; Cyprinus carpio; 96 h)	10 - 100 mg/L (OECD 201; Desmodemus subspicatus; 72 h)	10 - 100 mg/L (OECD 202; Daphnia magna; 48 h)	140 mg/L (activated sludge)
Didecylidmonium 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)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	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)*
Didecylidmonium 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)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	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
Deceth-n	26183-52-8		>60 %; OECD 301B; 28 d	
Didecyldimonium Chloride	7173-51-5		71% CO <sub>2</sub> ; OECD 301 B; 60% (10 d)	t <sub>1/2</sub> : 100 d (Guideline not indicated; method: Technical Assistance Document 3.12 of the Environmental Assessment Handbook, FDA; aerobic; in loam soil)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	308062-28-4		90% CO <sub>2</sub> ; OECD 301 B; > 60% (10 d)	90% CO <sub>2</sub> ; 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)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	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
Deceth-n	26183-52-8	2000 - 5000
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 Not relevant  
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 Not relevant  
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** Regulation (EC) No. 648/2004 (Detergents regulation). 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:** 20-Oct-2020  
**Revision date** 20-Oct-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]**

**Skin corrosion/irritation**

Category 2

**Serious eye damage/eye irritation**

Category 1 - Calculation method

**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**