

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

Issuing Date: 16-Dec-2019

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Version 1

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

1.1 Product identifier

Product Form Mixture
Product Name (P&G Professional Flash 6 - Degreaser Multi-purpose)
Product Identifier 95157684_C_PGP_CLP_EUR
Synonyms PA00186821
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 21 - Consumer uses: Private households (= general public = consumers)
Use category PC35 - Washing and cleaning products (including solvent based products)
Uses advised against No information available

Product category Kitchen 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

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 2 - (H319)

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

WARNING

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary Statements

P102 - Keep out of reach of children
 P101 - If medical advice is needed, have product container or label at hand
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P501 - Dispose of contents/container to an appropriate local waste system
 P302 + P352 - IF ON SKIN: Wash with plenty of water
 P260 - Do not breathe spray

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)
Sodium C14-17 Alkyl Sec Sulfonate	85711-69-9	288-330-3		10 - 20	Skin Irrit. 2(H315) Eye Dam. 1(H318)	1	1
Tetrapotassium Pyrophosphate	7320-34-5	230-785-7	01-2119489369-18	5 - 10	Eye Irrit. 2(H319)	1	1
Sodium Cumenesulfonate	28348-53-0	248-983-7	01-2119489411-37	5 - 10	Eye Irrit. 2(H319) STOT SE 3(H335)	1	1
Butyloctanol	3913-02-8	223-470-0		<1	Aquatic Acute 1(H400) Aquatic Chronic 2(H411)	1	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 (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 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 applicable.

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 applicable.

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 - inhalative, short-term - local	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic
Tetrapotassium Pyrophosphate	7320-34-5			44.08 mg/m ³
Sodium Cumenesulfonate	28348-53-0		136.25 mg/kg bw/d	26.9 mg/m ³
Butyloctanol	3913-02-8		35 mg/kg bw/day	247 mg/m ³

Chemical Name	CAS No	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Sodium Cumenesulfonate	28348-53-0	0.096 mg/cm ²	

Consumers

Chemical Name	CAS No	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Sodium Cumenesulfonate	28348-53-0	3.8 mg/kg bw/d		0.048 mg/cm ²
Butyloctanol	3913-02-8	21 mg/kg bw/day		

Chemical Name	CAS No	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Tetrapotassium Pyrophosphate	7320-34-5	10.87 mg/m ³	
Sodium Cumenesulfonate	28348-53-0	6.6 mg/m ³	68.1 mg/kg bw/d
Butyloctanol	3913-02-8	73 mg/m ³	21 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Chemical Name	CAS No	Fresh Water	Marine water	Intermittent release
Tetrapotassium Pyrophosphate	7320-34-5	0.05 mg/L	0.005 mg/L	0.5 mg/L
Sodium Cumenesulfonate	28348-53-0	0.23 mg/L	0.023 mg/L	2.3 mg/L
Butyloctanol	3913-02-8	0.00014 mg/L	0.000014 mg/L	0.014 mg/L

Chemical Name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
Tetrapotassium Pyrophosphate	7320-34-5			50 mg/L
Sodium Cumenesulfonate	28348-53-0	0.862 mg/kg sediment dw	0.086 mg/kg sediment dw	100 mg/L
Butyloctanol	3913-02-8			10 mg/L

Chemical Name	CAS No	Soil	air	Oral
Sodium Cumenesulfonate	28348-53-0	0.037 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 Wear suitable gloves.

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	No data available	
Odor	pleasant (perfume)	
Odor threshold	No data available	Perceived odor at typical use conditions
pH	11.3	
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 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	1-1.2	
Solubility	Soluble in water	
Partition Coefficient (n-octanol/water)	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 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	Causes skin irritation.
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.

Substances in the mixture

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Tetrapotassium Pyrophosphate	7320-34-5	2440 mg/kg bw	> 2000 mg/kg bw (//OECD 402)	> 1.1 mg/L air (OECD 403)
Sodium Cumenesulfonate	28348-53-0	> 7000 mg/kg bw (OECD 401)	> 2000 mg/kg bw (//OECD 402)	> 6.41 mg/L air
Butyloctanol	3913-02-8	26533 mg/kg bw (OECD 401; acute toxic class method; rat)	> 1680 mg/kg bw (Read across data on 2-Hexyldecan-1-ol; guideline: HAZARDOUS SUBSTANCES, Part 191, Section 11, FDA, Washington 1965; rabbit)	-

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
Tetrapotassium Pyrophosphate	7320-34-5	> 100 mg/L (OECD 203; Oncorhynchus mykiss; 96 h)	> 100 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)	> 100 mg/L (US EPA OTS 797.1300; Daphnia magna; 48 h)	> 1000 mg/L (OECD 209; 3 h)
Sodium Cumenesulfonate	28348-53-0	> 1000 mg/L (//US EPA OTS 797.1400; Oncorhynchus mykiss; 96 h)	> 230 mg/L (US EPA OTS 797.1050; Pseudokirchnerella subcapitata; 96 h)	> 1000 mg/L (US EPA OTS 797.1300; Daphnia magna; 48 h)	EC10: > 1000 mg/L (Data on CAS# 28348-53-0; OECD 209; activated sludge of a predominantly domestic sewage; static; freshwater; based on active ingredient)
Butyloctanol	3913-02-8	0.48 mg/L (OECD 203; Oncorhynchus mykiss; semi-static; freshwater; based on active ingredient)	0.66 mg/L (Similar to OECD 201 and EU Method C.3; Desmodesmus subspicatus; static; freshwater; based on growth rate)	0.14 mg/L (OECD 202; Daphnia magna; static; freshwater)	EC50: > 1000 mg/L (Read across data on 2-octyldodecan-1-ol; OECD 209; activated sludge of a predominantly domestic sewage; static; freshwater;

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)*
Tetrapotassium Pyrophosphate	7320-34-5		> 100 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)		1000 mg/L (OECD 209; 3 h)
Sodium Cumenesulfonate	28348-53-0		31 mg/L (US EPA OTS 797.1050; Pseudokirchnerella subcapitata; 4 d)		> 1000 mg/L (OECD 209; 0.125 d)
Butyloctanol	3913-02-8		0.085 mg/L (Similar to OECD 201 and EU Method C.3; Desmodesmus subspicatus; static; freshwater; based on cell number)	0.014 mg/L (Read across data on 1-dodecanol; OECD 211; Daphnia magna; semi-static; freshwater)	

12.2 Persistence and degradability**Persistence and degradability**

Chemical Name	CAS No	Persistence and degradability	Ready Biodegradation Test (OECD 301)
Sodium Cumenesulfonate	28348-53-0		99.8% CO ₂ ; OECD 301 B; > 60% (10 d)
Butyloctanol	3913-02-8		63 % (Read across data on alcohol mixture 1:1 of 2-Octyl-1-dodecanol and 2-Hexyl-1-tetradecanol; OECD 301 F; aerobic; activated sludge, domestic, non-adapted; O ₂ consumption; failing to meet 10-day window)

12.3 Bioaccumulative potential**Bioaccumulative potential**

No information available.

Chemical Name	CAS No	Bioaccumulative potential	Octanol/water partition coefficient
Tetrapotassium Pyrophosphate	7320-34-5	Not measured	
Sodium Cumenesulfonate	28348-53-0		-1.1
Butyloctanol	3913-02-8		5.5

12.4 Mobility in soil**Mobility**

No information available.

Chemical Name	CAS No	log K _{oc}
Tetrapotassium Pyrophosphate	7320-34-5	149
Butyloctanol	3913-02-8	> 214 to < 4170 (Read across data on Alcohols, C16-20 branched; OECD 106; batch equilibrium method; soil; adsorption/desorption)

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.

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 Code No information available

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, Contains no substance on the REACH candidate list.

**REACH Annex XVII Substances
subject to restriction on marketing
and use as amended**

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).

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: 16-Dec-2019
Revision date 16-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]

Skin corrosion/irritation

Category 2 - Calculation method

Serious eye damage/eye irritation

Category 2 Expert judgment and weight of evidence determination

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

H315 - Causes skin irritation
H318 - Causes serious eye damage
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