

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

1.1 Product identifier

Product Form	Mixture
Product Name	Bold Professional Washing Liquid Lotus Flower & Lily
Product Identifier	91655231_PGP_CLP_EUR
Synonyms	PA00215706
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)
Uses advised against	No information available

Product category	Laundry Liquid
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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 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]
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 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
P337 + P313 - If eye irritation persists: Get medical advice/attention
P301 + P312 - IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell

2.3 Other hazards

Other hazards which do not result in classification No presence of PBT and vPvB

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 C10-13 Alkyl Benzenesulfonate	68411-30-3	270-115-0	01-2119489428-22	5 - 10	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412)	1	1
C14-15 Pareth-n	68951-67-7	polymer		1 - 5	Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318) Aquatic Acute 1(H400) Aquatic Chronic 3(H412)	1	1
C12-14 Pareth-n	68439-50-9	polymer		1 - 5	Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318) Aquatic Chronic 3(H412)	1	1
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	287-335-8	01-2119905842-39	1 - 5	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412)	1	1
Sodium Laureth Sulfate	9004-82-4	221-416-0		1 - 5	Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412)	1	1
Sodium Laureth Sulfate	91648-56-5	293-918-8		1 - 5	Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412)	1	1
Sodium Cumenesulfonate	28348-53-0	248-983-7	01-2119489411-37	1 - 5	Eye Irrit. 2(H319) STOT SE 3(H335)	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. Remove/Take off immediately all contaminated clothing. If skin irritation occurs, get medical advice/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: 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. **contact**

Symptoms/injuries after eye contact Severe pain. Redness. Swelling. Blurred vision.

Symptoms/injuries after ingestion Oral mucosal or gastro-intestinal irritation. Nausea. Excessive secretion. Diarrhea. Vomiting.

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). **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 for firefighters In case of inadequate ventilation wear respiratory protection. **precautions**

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 Avoid contact with eyes. Use personal protective equipment as required. 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.

7.3. Specific end use(s)

Specific end uses Refer to section 1.2.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National Occupational Exposure No information available

Limits

Derived No Effect Level (DNEL)

Consumers

Chemical Name	CAS-No	Consumer - oral, long-term - systemic	Consumer inhalative, long- term - local	Consumer - dermal, long-term - local
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	0.425 mg/kg bw/d	1.5 mg/m³	
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	0.85 mg/kg bw/d	3 mg/m³	
Sodium Cumenesulfonate	28348-53-0	3.8 mg/kg bw/d		0.048 mg/cm²

Predicted No Effect Concentration (PNEC)

Chemical Name	CAS-No	Fresh Water	Marine water	Intermittent release
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	0.268 mg/L	0.027 mg/L	0.017 mg/L
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	0.268 mg/L	0.027 mg/L	0.017 mg/L
Sodium Cumenesulfonate	28348-53-0	0.23 mg/L	0.023 mg/L	2.3 mg/L
Chemical Name	CAS-No	Freshwater sediment	Marine sediment	Sewage treatment plant
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	8.1 mg/kg sediment dw	6.8 mg/kg sediment dw	3.43 mg/L
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	8.1 mg/kg sediment dw	8.1 mg/kg sediment dw	3.43 mg/L
Sodium Cumenesulfonate	28348-53-0	0.862 mg/kg sediment dw	0.086 mg/kg sediment dw	100 mg/L
Chemical Name	CAS-No	Soil	air	Oral
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	35 mg/kg soil dw		
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	35 mg/kg soil dw		
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

Not applicable.

Eye Protection

Wear eye/face protection.

Skin and Body Protection

Not applicable.

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 @20°C	Liquid	
Color	Coloured	
Odor	pleasant (perfume)	

Odor threshold		Perceived odor at typical use conditions
pH	7 - 9	
Melting Point / Freezing Point		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).
Relative Evaporation Rate (butylacetate=1)		Not available. This property is not relevant for the safety and classification of this product
Flammability (solid, gas)		Not applicable. This property is not relevant for liquid product forms
Explosive limits	No data available	Not applicable. This property is not relevant for the safety and classification of the product.
Vapor pressure	No data available	Not available. This property is not relevant for the safety and classification of this product
Relative density	1 - 1.1	
Solubility	Soluble in water	
Partition Coefficient (n-octanol/water)		
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	100 - 1000 cP	
Explosive properties	Not applicable	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	Not applicable	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.

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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.

Substances in the mixture

Chemical Name	CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	1080 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-
C12-14 Pareth-n	68439-50-9	>300-2000 mg/kg bw (Rat)	> 5000 mg/kg bw	-
C14-15 Pareth-n	68951-67-7	> 300 mg/kg bw	> 2000 mg/kg bw	-
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	1080 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-
Sodium Cumenesulfonate	28348-53-0	> 7000 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	> 6.41 mg/L air

Section 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Ecotoxicity effects No known adverse effects on the functioning of water treatment plants under normal use conditions are 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	Toxicity to Fish (LC50)*	Toxicity to algae (EC50)*	Toxicity to daphnia and other aquatic invertebrates (EC50)*	Toxicity to Microorganisms (EC50)*
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	1.67 mg/L (US EPA 850.1075; Lepomis macrochirus; 96 h)	127.9 mg/L (88/302/EWG; Desmodesmus subspicatus; 72 h)	2.9 mg/L (OECD 202; Daphnia magna; 48 h)	-
C12-14 Pareth-n	68439-50-9	>1-10 mg/L (OECD 203; Cyprinus carpio; flow-through test)	>1-10 mg/L (OECD 201; Desmodesmus subspicatus (green algae); static test)	> 1 - 10 mg/L (OECD 202; Daphnia magna; static test)	-
C14-15 Pareth-n	68951-67-7	< 1 mg/L	< 1 mg/L	< 1 mg/L	> 100 mg/L
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	1.67 mg/L (US EPA, 1975; Lepomis macrochirus; 96 h)	1.44 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)	0.92 mg/L (OECD 202; Daphnia magna; 48 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)

Chronic Toxicity

Chemical Name	CAS-No	Toxicity to algae (NOEC or ECx)*	Toxicity to fish (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	2.4 mg/L (88/302/EWG; Desmodesmus subspicatus; 3 d)	0.23 mg/L (Oncorhynchus mykiss; 72 d)		0.5 mg/L (Ceriodaphnia sp.; 7 d)
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	< 1.28 mg/L (OECD 201; Desmodesmus subspicatus; 3 d)	0.23 mg/L (Oncorhynchus mykiss; 72 d)		1.18 mg/L (//OECD 211; Daphnia magna; 21 d)
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)	

12.2 Persistence and degradability**Persistence and degradability**

Chemical Name	CAS-No	Persistence and degradability	Ready Biodegradation Test (OECD 301)
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	Biodegradable	85% CO ₂ ; OECD 301 B
C12-14 Pareth-n	68439-50-9	The substance is biodegradable. Unlikely to persist.	> 70 % (OECD 301 A (new version); 28 d; aerobic) and > 60 % (OECD 301 B; 28 d; aerobic)
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	Biodegradable	85% CO ₂ ; 29 d; OECD 301 B; 70% (10 d)
Sodium Laureth Sulfate	9004-82-4	Biodegradable Unlikely to persist.	
Sodium Cumenesulfonate	28348-53-0		99.8% CO ₂ ; OECD 301 B; > 60% (10 d)

12.3 Bioaccumulative potential**Bioaccumulative potential**

Chemical Name	CAS-No	Bioaccumulative potential	Octanol/water partition coefficient
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	1.4
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	1.73
Sodium Cumenesulfonate	28348-53-0		-1.1

12.4 Mobility in soil**Mobility**

Chemical Name	CAS-No	log Koc
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	1.167 (QSAR SRC PCKOC v2.0)

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. 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

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 Environmental Hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

IATA

14.1 UN no	Not applicable
14.2 UN Proper shipping name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental Hazards	Not applicable
14.6 Special precautions for user	Not applicable

ADR

14.1 UN no	Not applicable
14.2 UN Proper shipping name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental Hazards	Not applicable
14.6 Special precautions for user	Not applicable

RID

14.1 UN no	Not applicable
14.2 UN Proper shipping name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental Hazards	Not applicable
14.6 Special precautions for user	Not applicable

ADN

14.1 UN no	Not applicable
14.2 UN Proper shipping name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental Hazards	Not applicable
14.6 Special precautions for user	Not applicable

Section 15: REGULATORY INFORMATION

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

Ingredient label

5%-15% Anionic surfactants, <5% Non-ionic surfactants, <5% Phosphonates, <5% Soap ; Enzymes, Benzisothiazolinone, Methylisothiazolinone, Perfumes ; Alpha-Isomethyl Ionone, Citronellol, Hexyl Cinnamal, Linalool ;

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 Contains no substance on the REACH candidate list.

Liquid Lotus Flower & Lily

subject to restriction on marketing
and use as amended

Regulation (EC) No. 143/2011 Annex Contains no REACH Annex XIV substances.

XIV Substances Subject to

Authorisation

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) and its amendment Regulation (EU) 2015/830.

National regulatory information**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: 14-Mar-2018

Revision Date: 20-Mar-2018 Reason for revision 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

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)

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]

Serious eye damage/eye irritation

Category 2 - Calculation method

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

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

H302 - Harmful if swallowed

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

H412 - Harmful 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