

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

Issuing Date 23-Apr-2019

Revision date 23-Apr-2019

Version 1

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

1.1 Product identifier

Product Form	Mixture
Product Name	Fairy/Jar Professional Concentrated rinse aid for automatic dishwasher and glasswasher
Product Identifier	91745274_PGP_CLP_EUR
Synonyms	PA00226781
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 Rinse Aid

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]
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 P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing

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 Xylenesulfonate	1300-72-7	215-090-9	01-2119513350-56	10 - 20	Eye Irrit. 2(H319)	1	1
Propylene Glycol Laureth-6	69227-22-1	614-942-0		1 - 5	Eye Irrit. 2(H319)	1	1
Citric Acid	77-92-9	201-069-1	01-2119457026-42	1 - 5	Eye Irrit. 2 (H319)	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 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.

Main Symptoms May cause eye irritation.

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.
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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.
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Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Avoid contact with eyes. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.
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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 uses

Cleaning/washing agents and additives.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National Occupational Exposure Limits	No information available
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Derived No Effect Level (DNEL) Workers

Chemical name	CAS No.	Worker - inhalative,	Worker - dermal,	Worker - inhalative,
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		short-term - local	long-term - systemic	long-term - systemic
Sodium Xylenesulfonate	1300-72-7		136.25 mg/kg bw/d	26.9 mg/m ³

Chemical name	CAS No.	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Sodium Xylenesulfonate	1300-72-7	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 Xylenesulfonate	1300-72-7	3.8 mg/kg bw/d		0.048 mg/cm ²

Chemical name	CAS No.	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Sodium Xylenesulfonate	1300-72-7	6.6 mg/m ³	68.1 mg/kg bw/d

Predicted No Effect Concentration (PNEC)

Chemical name	CAS No.	Fresh Water	Marine water	Intermittent release
Sodium Xylenesulfonate	1300-72-7	0.23 mg/L	0.023 mg/L	2.3 mg/L
Citric Acid	77-92-9	0.44 mg/L	0.044 mg/L	

Chemical name	CAS No.	Freshwater sediment	Marine sediment	Sewage treatment plant
Sodium Xylenesulfonate	1300-72-7	0.862 mg/kg sediment dw	0.086 mg/kg sediment dw	100 mg/L
Citric Acid	77-92-9	34.6 mg/kg sediment dw	3.46 mg/kg sediment dw	1000 mg/L

Chemical name	CAS No.	Soil	air	Oral
Sodium Xylenesulfonate	1300-72-7	0.037 mg/kg soil dw		
Citric Acid	77-92-9	33.1 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	Liquid	
Color	Coloured	
Odor	Odorless	
Odor threshold	No data available	Perceived odor at typical use conditions
pH	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	100 °C	
Flash point	No data available	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	No data available
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	No data available	
Solubility	Soluble in water	
Partition Coefficient (n-octanol/water)	Not available	Not applicable. This property is not relevant for mixtures
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	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

Based on available data, the classification criteria are not met

Chemical name	CAS No.	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Xylenesulfonate	1300-72-7	> 7000 mg/kg bw (OECD 401)	> 2000 mg/kg bw (//OECD 402)	> 6.41 mg/L air
Citric Acid	77-92-9	5400 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
Sodium Xylenesulfonate	1300-72-7	> 1000 mg/L (//US EPA OTS 797.1400; Oncorhynchus mykiss; 96 h)	> 230 mg/L (US EPA OTS 797.1050; Pseudokirchneriella subcapitata; 96 h)	> 1000 mg/L (US EPA OTS 797.1300; Daphnia magna; 48 h)	-
Citric Acid	77-92-9	440 mg/L (//OECD 203; Leuciscus idus melanotus; 48 h)	-	1535 mg/L (Daphnia magna; 24 h)	-

*If different it will be explained in the table

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)*
Sodium Xylenesulfonate	1300-72-7		31 mg/L (US EPA OTS 797.1050; Pseudokirchneriella subcapitata; 4 d)		> 1000 mg/L (OECD 209; 0.125 d)
Citric Acid	77-92-9		425 mg/L (Scenedesmus quadricauda; 8 d)		

*If different it will be explained in the table

12.2 Persistence and degradability

Persistence and degradability

Chemical name	CAS No.	Persistence and degradability	Ready Biodegradation Test (OECD 301)
Sodium Xylenesulfonate	1300-72-7		99.8% CO ₂ ; OECD 301 B; > 60% (10 d)
Citric Acid	77-92-9	Biodegradable.	100% DOC; OECD 301 E; 19 d; > 60% (10 d)

12.3 Bioaccumulative potential

Bioaccumulative potential

Chemical name	CAS No.	Bioaccumulative potential	Octanol/water partition coefficient
Sodium Xylenesulfonate	1300-72-7	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	-3.12
Citric Acid	77-92-9	Not expected to bioaccumulate due to the low log Kow (log Kow <	-1.55

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12.4 Mobility in soil

Mobility No information available.

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 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, 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). Classification according to EU Directives 67/548/EEC or 1999/45/EC.

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	23-Apr-2019
Revision date	23-Apr-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
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)
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

H319 - Causes serious eye irritation

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