

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Professional ARIEL Regular LIQUID
Product code : PA00188937
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use.
Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

To be completed by Shipper / Person responsible for placing the product on the market

1.4. Emergency telephone number

Emergency number : To be completed by Shipper / Person responsible for placing the product on the market

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R41

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols :



Xi - Irritant

R-phrases : R41 - Risk of serious damage to eyes
S-phrases : S2 - Keep out of the reach of children
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S39 - Wear eye/face protection
S46 - If swallowed, seek medical advice immediately and show this container or label

2.3. Other hazards

Other hazards not contributing to the classification : No presence of PBT and vPvB ingredients.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Dodecylbenzenesulfonate	(CAS No) 68411-30-3 (EC no) 270-115-0 (REACH-no) 01-2119489428-22	5 - 10	Xn; R22 Xi; R41 Xi; R38	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
C12-14 Pareth-7	(CAS No) 68439-50-9 (EC no) polymer	1 - 5	Xn; R22 Xi; R41 N; R50	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
C14-15 Pareth-7	(CAS No) 68951-67-7 (EC no) polymer	1 - 5	Xn; R22 Xi; R41 N; R50	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400
MEA Dodecylbenzenesulfonate	(CAS No) 85480-55-3 (EC no) 287-335-8 (REACH-no) 01-2119905842-39	1 - 5	Xn; R22 Xi; R41 Xi; R38	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sodium C12-15 Pareth Sulfate	(CAS No) 91648-56-5 (EC no) 293-918-8	1 - 5	Xi; R41 Xi; R38	Skin Irrit. 2, H315 Eye Dam. 1, H318
Sodium Laureth Sulfate	(CAS No) 9004-82-4 (EC no) 221-416-0	1 - 5	Xi; R41 Xi; R38	Skin Irrit. 2, H315 Eye Dam. 1, H318

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area. Respiratory problems: consult a doctor/medical service.
- First-aid measures after skin contact : When symptoms occur: rinse immediately with plenty of water. Take victim to a doctor if irritation persists.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Take victim to a doctor if irritation persists.
- First-aid measures after ingestion : Give nothing or a little water to drink. Do not induce vomiting. Consult a doctor/medical service.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause irritation or asthma-like symptoms.
- Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.
- Symptoms/injuries after eye contact : May cause severe irritation.
- Symptoms/injuries after ingestion : Gastrointestinal complaints.

4.3. Indication of any immediate medical attention and special treatment needed

Refer to section 4.1.

SECTION 5: Firefighting 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 reactions known.

5.3. Advice for firefighters

- Firefighting instructions : No specific firefighting instructions required.
- Protection during firefighting : In case of inadequate ventilation wear respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable gloves and eye/face protection.

6.1.2. For emergency responders

- Protective equipment : Wear suitable gloves and eye/face protection.

6.2. Environmental precautions

Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

- 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.

6.4. Reference to other sections

Refer to Sections 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for 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

Storage conditions : Store in original container. Refer to section 10.
Incompatible products : Refer to section 10.
Incompatible materials : Not applicable.
Prohibitions on mixed storage : Not applicable.
Storage area : Store in a cool area. Store in a dry area.

7.3. Specific end use(s)

Cleaning/washing agents and additives.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Wear eye/face protection.
Hand protection : Not applicable.
Eye protection : Safety glasses.
Skin and body protection : Not applicable.
Respiratory protection : Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Colour : Coloured.
Odour : pleasant (perfume).
Odour threshold : No data available
pH : 7.9
Relative evaporation rate (butylacetate=1) : Not measured.
Melting point : Not measured.
Freezing point : No data available
Boiling point : Not measured.
Flash point : > 60 °C
Auto-ignition temperature : Not measured.
Decomposition temperature : Not measured.
Flammability (solid, gas) : Not flammable
Vapour pressure : Not measured.
Relative vapour density at 20 °C : Not measured.
Relative density : No data available
Density : 1060 g/l
Solubility : Soluble in water.
Log Pow : No data available
Log Kow : No data available
Viscosity : 340 - 600
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : Product is not explosive

9.2. Other information

No additional information available

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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

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Not required for normal conditions of use.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

PGP UMB-LITE-ESS-PGP Amiens

LD50 oral rat	> 2000 mg/kg
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MEA Dodecylbenzenesulfonate (85480-55-3)

LD50 oral rat	1080 mg/kg
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LD50 dermal rat	2001 mg/kg
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C12-14 Pareth-7 (68439-50-9)

LD50 oral rat	1600 mg/kg
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LD50 dermal rat	2001 mg/kg
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C14-15 Pareth-7 (68951-67-7)

LD50 oral rat	1700 mg/kg
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Sodium Laureth Sulfate (9004-82-4)

LD50 oral rat	2001 mg/kg
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Sodium Dodecylbenzenesulfonate (68411-30-3)

LD50 oral rat	1080 mg/kg
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LD50 dermal rat	> 2000 mg/kg
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Irritation : Risk of serious damage to eyes.

pH: 7.9

Corrosivity : Not classified

pH: 7.9

Sensitisation : Not classified

Repeated dose toxicity : Not classified

Carcinogenicity : Not classified

Mutagenicity : Not classified

Toxicity for reproduction : Not classified

Potential Adverse human health effects and symptoms : Acute Toxicity: based upon available data of the substances, classification criteria are not met. Carcinogenicity: based upon available data of the substances, classification criteria are not met. Corrosivity: based upon available data of the substances, classification criteria are not met. Irritation: severely irritant to eyes. Mutagenicity: based upon available data of the substances, classification criteria are not met. Repeated Dose Toxicity: based upon available data of the substances, classification criteria are not met. Sensitization: based upon available data of the substances, classification criteria are not met. Toxicity for Reproduction: based upon available data of the substances, classification criteria are not met.

Other information : Likely routes of exposure: skin and eye. Information on Effects: refer to section 4.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : 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.

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MEA Dodecylbenzenesulfonate (85480-55-3)	
LC50 fishes 1	1.67 mg/l
EC50 Daphnia 1	2.4 mg/l
ErC50 (algae)	27.7 mg/l
NOEC (chronic)	0.268 mg/l
NOEC chronic fish	0.23 mg/l
NOEC chronic crustacea	1.18 mg/l
NOEC chronic algae	1.28 g/l

C12-14 Pareth-7 (68439-50-9)	
LC50 fishes 1	10 mg/l
EC50 Daphnia 1	10 mg/l
ErC50 (algae)	10 mg/l

C14-15 Pareth-7 (68951-67-7)	
LC50 fishes 1	1 mg/l
EC50 Daphnia 1	1 mg/l
ErC50 (algae)	1 mg/l

Sodium Dodecylbenzenesulfonate (68411-30-3)	
LC50 fishes 1	1.67 mg/l
EC50 Daphnia 1	2.9 mg/l
ErC50 (algae)	127.9 mg/l
NOEC chronic fish	0.23 mg/l

12.2. Persistence and degradability

MEA Dodecylbenzenesulfonate (85480-55-3)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
Biodegradation	85 %

C12-14 Pareth-7 (68439-50-9)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
Biodegradation	> 70 %

Sodium Laureth Sulfate (9004-82-4)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
Biodegradation	100 % OECD 301A; COD Die Away Test

12.3. Bioaccumulative potential

MEA Dodecylbenzenesulfonate (85480-55-3)	
Bioconcentration factor (BCF REACH)	1000
Log Pow	1.51
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

Sodium Dodecylbenzenesulfonate (68411-30-3)	
BCF fish 1	2 - 1000 l/kg
Log Pow	3.32
Log Kow	5

12.4. Mobility in soil

MEA Dodecylbenzenesulfonate (85480-55-3)	
Log Koc	1.167

12.5. Results of PBT and vPvB assessment

Professional ARIEL Regular LIQUID	
Results of PBT assessment	No presence of PBT and vPvB ingredients
Component	
MEA Dodecylbenzenesulfonate (85480-55-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Propylene Glycol (57-55-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium Cumenesulfonate (28348-53-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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Component	
Sodium Laureth Sulfate (9004-82-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium Dodecylbenzenesulfonate (68411-30-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium Citrate (68-04-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
EURAL code : 20 01 29* - detergents containing dangerous substances

SECTION 14: Transport information

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 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

Ingredient label : 5-15% Anionic surfactants; <5% Non-ionic surfactants, Phosphonates, Soap; Enzymes, Optical brighteners, Benzisothiazolinone, Methylisothiazolinone, Perfumes, Alpha-isomethyl ionone, Citronellol, Geraniol, Linalool.

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

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.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

Not applicable

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1

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Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects
R22	Harmful if swallowed
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

SDS P&G CLP

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