SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Revision date 02/14/2024 **Revision Number 1**

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

1.1. Product identifier

Product Code(s) 540001

Safety data sheet number 0000033

Product Name Astonish Shampoo - Apple Fresh

Pure substance/mixture Mixture

Formula 5400F1V1

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

Recommended use Shampoo Washing hair

Uses advised against

1.3. Details of the supplier of the safety data sheet

Manufacturer
The London Oil Refining Company Ltd
Astonish House
Unit 8 Thornbury Ind. Est.
Woodhall Road
Bradford BD3 7AF, UK
Tel: +44 1274 767440 (8am-4pm Mon-Fri)
www.astonish.co.uk

Supplier
The London Oil Refining Company Ltd
Astonish House
Unit 8 Thornbury Ind. Est.
Woodhall Road
Bradford BD3 7AF, UK
Tel: +44 1274 767440 (8am-4pm Mon-Fri)
www.astonish.co.uk

For further information, please contact

E-mail address info@astonish.co.uk

1.4. Emergency telephone number

Emergency Telephone	UK - Emergency Telephone: +44 (0) 1274 767440 (8am-4pm Mon-Fri). Alternatively in UK: Contact NHS 111 Telephone 111 (24 hours a day, 7days a week): Website 111.nhs.uk or a doctor ROI - Emergency Telephone: +353 19131585 (8am-4pm Mon-Fri) Poisons Information Centre of Ireland (ROI): +353 (1) 8092166 (8am-10pm 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified

Self-heating substances and mixtures

2.2. Label elements

Not classified

Hazard statements
Not classified

Unknown acute toxicity

Unknown aquatic toxicity

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Sodium Laureth Sulfate 68891-38-3	5 - <10%	500-234-8	-	Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	-	-	-
Glycerol 56-81-5	0.5 - <1%	200-289-5	-	-	-	-	-

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

This product does not contain candidate substances of very high concern at a concentration >= 0.1% (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Rinse mouth.

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

Symptoms	No information available.
Effects of Exposure	See Section 11 for additional Toxicological Information.

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

Note to physicians	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
Glycerol 56-81-5	TWA: 10 mg/m^3 STEL: 30 mg/m^3

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Sodium Laureth Sulfate 68891-38-3		2750 mg/kg bw/day [4] [6] 132 µg/cm2 [5] [6]	175 mg/m^3 [4] [6]
Sodium Chloride 7647-14-5		295.52 mg/kg bw/day [4] [6] 295.52 mg/kg bw/day [4] [7]	2068.62 mg/m^3 [4] [6] 2068.62 mg/m^3 [4] [7]

Chemical name	Oral	Dermal	Inhalation
Glycerol 56-81-5			56 mg/m^3 [5] [6]
Sodium Benzoate 532-32-1		62.5 mg/kg bw/day [4] [6]	3 mg/m^3 [4] [6] 0.1 mg/m^3 [5] [6]
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6		15000 mg/kg bw/day [4] [6]	7.3 mg/m^3 [4] [6]
Hexyl Salicylate 6259-76-3		6.4 mg/kg bw/day [4] [6] 885 µg/cm2 [5] [6] 885 µg/cm2 [5] [7]	1.7 mg/m^3 [4] [6]
Cyclo Hexyl Salicylate 25485-88-5		1.8 mg/kg bw/day [4] [6]	6.36 mg/m^3 [4] [6]
α,α-dimethylphenethyl acetate 151-05-3		8.33 mg/kg bw/day [4] [6]	4.4 mg/m^3 [4] [6]
2,6-dimethyloct-7-en-2-ol 18479-58-8		20.8 mg/kg bw/day [4] [6]	73.5 mg/m^3 [4] [6]
2-Methyl-3-(p-isoPropylPhenyl)Propionaldehyde 103-95-7		1.67 mg/kg bw/day [4] [6] 7.43 µg/cm2 [5] [6]	5.83 mg/m^3 [4] [6]
cis-4-(Isopropyl)cyclohexanemethanol 5502-75-0		1.88 mg/kg bw/day [4] [6]	6.63 mg/m^3 [4] [6]
Benzyl acetate 140-11-4		2.5 mg/kg bw/day [4] [6]	9 mg/m^3 [4] [6]
Allyl Heptylate 142-19-8		0.84 mg/kg bw/day [4] [6]	2.97 mg/m^3 [4] [6]
a-Methyl-1,3-benzodioxole-5-propionaldehyde 1205-17-0		0.17 mg/kg bw/day [4] [6] 0.01 mg/cm2 [5] [6]	1.2 mg/m^3 [4] [6]
Allyl hexanoate 123-68-2		4.3 mg/kg bw/day [4] [6]	15 mg/m^3 [4] [6]
Allylcyclohexanepropionate 2705-87-5		4.3 mg/kg bw/day [4] [6]	15 mg/m^3 [4] [6]
ethyl 2,3-epoxy-3-phenylbutyrate 77-83-8		0.7 mg/kg bw/day [4] [6]	2.45 mg/m^3 [4] [6]
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one 24720-09-0		0.78 mg/kg bw/day [4] [6]	2.74 mg/m^3 [4] [6]
Tartrazine 400% 1934-21-0		52.82 mg/kg bw/day [4] [6]	372.52 mg/m^3 [4] [6]
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one 23726-93-4		0.77 mg/kg bw/day [4] [6]	2.71 mg/m^3 [4] [6]
Linalool 78-70-6		2.5 mg/kg bw/day [4] [6] 5 mg/kg bw/day [4] [7] 3 mg/cm2 [5] [6] 3 mg/cm2 [5] [7]	2.8 mg/m^3 [4] [6] 16.5 mg/m^3 [4] [7]
dl-Citronellol 106-22-9		327.4 mg/kg bw/day [4] [6] 2950 µg/cm2 [5] [7]	161.6 mg/m^3 [4] [6] 10 mg/m^3 [5] [6] 10 mg/m^3 [5] [7]
Citral 5392-40-5		1.7 mg/kg bw/day [4] [6] 140 µg/cm2 [5] [6]	9 mg/m^3 [4] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Sodium Laureth Sulfate 68891-38-3	15 mg/kg bw/day [4] [6]	79 µg/cm2 [5] [6]	52 mg/m^3 [4] [6]
Sodium Chloride 7647-14-5	126.65 mg/kg bw/day [4] [6] 126.65 mg/kg bw/day [4] [7]	126.65 mg/kg bw/day [4] [6] 126.65 mg/kg bw/day [4] [7]	443.28 mg/m^3 [4] [6] 443.28 mg/m^3 [4] [7]
Glycerol 56-81-5	229 mg/kg bw/day [4] [6]		33 mg/m^3 [5] [6]
Sodium Benzoate 532-32-1	16.6 mg/kg bw/day [4] [6]		1.5 mg/m^3 [4] [6] 0.06 mg/m^3 [5] [6]
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6	1.5 mg/kg bw/day [4] [6]		1.8 mg/m^3 [4] [6]
Hexyl Salicylate 6259-76-3	0.3 mg/kg bw/day [4] [6]	442.5 µg/cm2 [5] [6] 442.5 µg/cm2 [5] [7]	0.4 mg/m^3 [4] [6]
Cyclo Hexyl Salicylate 25485-88-5	0.9 mg/kg bw/day [4] [6]		1.56 mg/m^3 [4] [6]
α,α-dimethylphenethyl acetate 151-05-3	4.17 mg/kg bw/day [4] [6]		2.2 mg/m^3 [4] [6]
2,6-dimethyloct-7-en-2-ol 18479-58-8	12.5 mg/kg bw/day [4] [6]		21.7 mg/m^3 [4] [6]
2-Methyl-3-(p-isoPropylPhenyl)Propionaldehyde 103-95-7	0.83 mg/kg bw/day [4] [6]	3.72 µg/cm2 [5] [6]	1.45 mg/m^3 [4] [6]
cis-4-(Isopropyl)cyclohexanemethanol 5502-75-0	0.94 mg/kg bw/day [4] [6]		1.63 mg/m^3 [4] [6]
Benzyl acetate 140-11-4	1.3 mg/kg bw/day [4] [6]		2.2 mg/m^3 [4] [6]
Allyl Heptylate 142-19-8	0.42 mg/kg bw/day [4] [6]		0.73 mg/m^3 [4] [6]
a-Methyl-1,3-benzodioxole-5-propionaldehyde 1205-17-0	0.17 mg/kg bw/day [4] [6]	0.005 mg/cm2 [5] [6]	0.29 mg/m^3 [4] [6]
Allyl hexanoate 123-68-2	2.1 mg/kg bw/day [4] [6]		3.7 mg/m^3 [4] [6]
Allylcyclohexanepropionate 2705-87-5	2.1 mg/kg bw/day [4] [6]		3.7 mg/m^3 [4] [6]
ethyl 2,3-epoxy-3-phenylbutyrate 77-83-8	0.35 mg/kg bw/day [4] [6]		0.61 mg/m^3 [4] [6]
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one 24720-09-0	0.39 mg/kg bw/day [4] [6]		0.67 mg/m^3 [4] [6]
Tartrazine 400% 1934-21-0	26.41 mg/kg bw/day [4] [6]		91.86 mg/m^3 [4] [6]
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one 23726-93-4	0.38 mg/kg bw/day [4] [6]		0.67 mg/m^3 [4] [6]
Linalool 78-70-6	0.2 mg/kg bw/day [4] [6] 1.2 mg/kg bw/day [4] [7]	2.5 mg/kg bw/day [4] [6] 2.5 mg/kg bw/day [4] [7] 1.5 mg/cm2 [5] [6] 1.5 mg/cm2 [5] [7]	0.7 mg/m^3 [4] [6] 4.1 mg/m^3 [4] [7]
dl-Citronellol 106-22-9	13.8 mg/kg bw/day [4] [6]	2950 µg/cm2 [5] [7]	47.8 mg/m^3 [4] [6] 10 mg/m^3 [5] [6] 10 mg/m^3 [5] [7]
Acid Blue No.9 3844-45-9	6 mg/kg bw/day [4] [6]		
Citral 5392-40-5	0.6 mg/kg bw/day [4] [6]	140 µg/cm2 [5] [6]	2.7 mg/m^3 [4] [6]

Notes

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Sodium Laureth Sulfate 68891-38-3	0.24 mg/L	0.071 mg/L	0.024 mg/L		
Sodium Chloride 7647-14-5	5 mg/L				
Glycerol 56-81-5	0.885 mg/L	8.85 mg/L	0.0885 mg/L		
Sodium Benzoate 532-32-1	0.13 mg/L	305 µg/L	0.013 mg/L		
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6	9.45 mg/L	0.953 mg/L	0.945 mg/L	0.0953 mg/L	
α,α-dimethylphenethyl acetate 151-05-3	4.766 µg/L				
2,6-dimethyloct-7-en-2-ol 18479-58-8	27.8 µg/L	0.278 mg/L	2.78 µg/L		
2-Methyl-3-(p-isoPropylPhenyl)Propionaldehyde 103-95-7	1.09 µg/L	10.92 µg/L	0.11 µg/L		
cis-4-(Isopropyl)cyclohexanemethanol 5502-75-0	4.4 µg/L	44 µg/L	0.44 µg/L	4.4 µg/L	
Benzyl acetate 140-11-4	0.0184 mg/L	0.04 mg/L	0.00184 mg/L		
Allyl Heptylate 142-19-8	0.12 µg/L	1.2 µg/L	0.012 µg/L		
a-Methyl-1,3-benzodioxole-5-propionaldehyde 1205-17-0	0.0053 mg/L	0.053 mg/L	0.00053 mg/L	0.053 mg/L	
Allyl hexanoate 123-68-2	0.117 µg/L	1.17 µg/L	0.0117 µg/L		
Allylcyclohexanepropionate 2705-87-5	0.13 µg/L	1.3 µg/L	0.013 µg/L		
ethyl 2,3-epoxy-3-phenylbutyrate 77-83-8	0.0084 mg/L	0.084 mg/L	8.4 µg/L		
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one 24720-09-0	1.09 µg/L	10.9 µg/L	0.11 µg/L		

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Tartrazine 400% 1934-21-0	0.12 mg/L	1.2 mg/L	0.012 mg/L		
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one 23726-93-4	1.09 µg/L	10.9 µg/L	0.11 µg/L		
Linalool 78-70-6	0.2 mg/L	2 mg/L	0.02 mg/L		
dl-Citronellol 106-22-9	0.0024 mg/L	0.024 mg/L	0.00024 mg/L		
Citral 5392-40-5	0.00678 mg/L	0.0678 mg/L	0.000678 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Sodium Laureth Sulfate 68891-38-3	0.9168 mg/kg sediment dw	0.0917 mg/kg sediment dw	10 g/L	7.5 mg/kg soil dw	
Sodium Chloride 7647-14-5			500 mg/L	4.86 mg/kg soil dw	
Glycerol 56-81-5	3.3 mg/kg sediment dw	0.33 mg/kg sediment dw	1000 mg/L	0.141 mg/kg soil dw	
Sodium Benzoate 532-32-1	1.76 mg/kg sediment dw	0.176 mg/kg sediment dw	10 mg/L	0.06 mg/kg soil dw	300 mg/kg food
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6			41.2 mg/L	0.5 mg/kg soil dw	67 mg/kg food
α,α-dimethylphenethyl acetate 151-05-3	0.189 mg/kg sediment dw		31.25 mg/L	0.103 mg/kg soil dw	
2,6-dimethyloct-7-en-2-ol 18479-58-8	0.594 mg/kg sediment dw	0.0594 mg/kg sediment dw	10 mg/L	0.103 mg/kg soil dw	111 mg/kg food
2-Methyl-3-(p-isoPropylPhenyl)Propionaldehyde 103-95-7	0.126 mg/kg sediment dw	0.0126 mg/kg sediment dw	1 mg/L	0.0245 mg/kg soil dw	33.3 mg/kg food
cis-4-(Isopropyl)cyclohexanemethanol 5502-75-0	266 µg/kg sediment dw	26.6 µg/kg sediment dw	1.9 mg/L	51 µg/kg soil dw	41.78 mg/kg food
Benzyl acetate 140-11-4	0.526 mg/kg sediment dw	0.0526 mg/kg sediment dw	8.55 mg/L	0.09443 mg/kg soil dw	
Allyl Heptylate 142-19-8	0.012 mg/kg sediment dw	0.0012 mg/kg sediment dw	10 mg/L	0.00233 mg/kg soil dw	
a-Methyl-1,3-benzodioxole-5-propionaldehyde 1205-17-0	0.0569 mg/kg sediment dw	0.00569 mg/kg sediment dw	10 mg/L	0.00826 mg/kg soil dw	
Allyl hexanoate 123-68-2	4.46 µg/kg sediment dw	0.446 µg/kg sediment dw	10 mg/L	0.825 µg/kg soil dw	47.56 mg/kg food
Allylcyclohexanepropionate 2705-87-5	24.13 µg/kg sediment dw	2.413 µg/kg sediment dw	0.2 mg/L	4.75 µg/kg soil dw	143 mg/kg food

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
ethyl 2,3-epoxy-3-phenylbutyrate 77-83-8	0.214 mg/kg sediment dw	0.0214 mg/kg sediment dw	10 mg/L	0.0378 mg/kg soil dw	23.3 mg/kg food
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one 24720-09-0	0.107 mg/kg sediment dw	0.011 mg/kg sediment dw	3.2 mg/L	0.021 mg/kg soil dw	6.67 mg/kg food
Tartrazine 400% 1934-21-0	0.46992 mg/kg sediment dw	0.046992 mg/kg sediment dw	10 mg/L	0.02353 mg/kg soil dw	
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one 23726-93-4	0.087 mg/kg sediment dw	8.67 µg/kg sediment dw	3.2 mg/L	0.017 mg/kg soil dw	6.67 mg/kg food
Linalool 78-70-6	2.22 mg/kg sediment dw	0.222 mg/kg sediment dw	10 mg/L	0.327 mg/kg soil dw	7.8 mg/kg food
dl-Citronellol 106-22-9	0.0256 mg/kg sediment dw	0.00256 mg/kg sediment dw	580 mg/L	0.00371 mg/kg soil dw	
Citral 5392-40-5	0.125 mg/kg sediment dw	0.0125 mg/kg sediment dw	1.6 mg/L	0.0209 mg/kg soil dw	

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Clear green liquid
Color green
Odor Apple.
Odor threshold

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	> 100.00 °C	Not measured (>100°C)
Flammability	No data available	Does not ignite
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	

limits		
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	3.5 - 5.5	
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	4000 - 10000 cP @ 20°C	None known
Water solubility	No data available Soluble in water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapor pressure	No data available	None known
Relative density	1.023 - 1.043 @ 20°C	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapor density	> 1 (Air=1)	None known
Particle characteristics		
Particle Size		
Particle Size Distribution		
Explosive properties	None	
Oxidizing properties	No information available	

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation No known effect based on information supplied.

Eye contact May cause irritation.

Skin contact No known effect based on information supplied.

Ingestion No known effect based on information supplied.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity .

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (inhalation-vapor) 99,999.00 mg/l

Unknown acute toxicity
Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Laureth Sulfate	-	> 2000 mg/kg (Rat)	-
Glycerol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Irritating to eyes.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Other adverse effects

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Unknown aquatic toxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerol	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-

12.2. Persistence and degradability

Persistence and degradability None known.

12.3. Bioaccumulative potential

Bioaccumulation Not likely to bioaccumulate.

Component Information

Chemical name	Partition coefficient
Sodium Laureth Sulfate	0.3
Glycerol	-1.75

12.4. Mobility in soil

Mobility in soil Not determined.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Sodium Laureth Sulfate	The substance is not PBT / vPvB
Glycerol	The substance is not PBT / vPvB

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not Applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	Not regulated

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information

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

National regulations

Authorizations and/or restrictions on use:
This product does not contain substances subject to authorization (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

Persistent Organic Pollutants
Not applicable

Export Notification requirements
Not applicable

Named dangerous substances per COMAH Regulations 2015 (as amended)
Not applicable

The Ozone-Depleting Substances Regulations 2015
Not applicable

The Biocidal Products Regulations 2001 (as amended)
Not applicable

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)
Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)
Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report	A Chemical Safety Assessment has not been carried out for this mixture. An independent safety assessment has been carried out in accordance with Regulation (EC) No. 1223/2009 of 30/11/2009 and replaces the Directive 76/768/EEC concerning cosmetic products. The assessment confirmed the product to be safe for use in its stated application. A copy of this assessment is available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H315 - Causes skin irritation
H318 - Causes serious eye damage
H412 - Harmful to aquatic life with long lasting effects

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	On basis of test data
Acute dermal toxicity	On basis of test data
Acute inhalation toxicity - gas	On basis of test data
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	On basis of test data
Skin corrosion/irritation	On basis of test data
Serious eye damage/eye irritation	On basis of test data
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method
Gases under pressure	On basis of test data

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 02/14/2024

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended) Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

UK SDS version information - XGHS
UL release:
GHS Revision 7
2022 Q1

United Kingdom Partial process, including GHS Wizard, NO TW

Full text of H-Statements referred to under section 3: H315 - Causes skin irritation H318 - Causes serious eye damage H412 - Harmful to aquatic life with long lasting effects

Chemical name	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)
Sodium Laureth Sulfate	Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	