



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 12/10/2025

Revision Number 2

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

### 1.1. Product identifier

**Product Name** Moss & Adams Uplifting Hand Wash  
**Product Code(s)** C7511  
**Safety data sheet number** 0000134  
**Pure substance/mixture** Mixture  
**Formula** 7511F1

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

**Recommended use** Washing hands

**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. Park.  
Woodhall Road  
Bradford BD3 7AF, UK  
Tel: +44 1274 767440 (8pm-4pm Mon-Fri) [www.astonish.co.uk](http://www.astonish.co.uk)  
Astonish Cleaner Europe Ltd  
38 Main Street  
Swords  
Co. Dublin  
Republic of Ireland  
K67E0A2  
Tel: +353 19131585 (8am-4pm Mon-Fri)  
[www.astonishcleaners.eu](http://www.astonishcleaners.eu)  
For further information, please contact

**E-mail address** [info@astonishcleaners.eu](mailto:info@astonishcleaners.eu) [info@astonish.co.uk](mailto:info@astonish.co.uk)

### 1.4. Emergency telephone number

**Emergency Telephone** ROI - Emergency Telephone: +353 19131585 (8am-4pm Mon-Fri) Poisons Information Centre of Ireland (ROI): +353 (1) 8092166 (8am-10pm 7 days a week)

<b>Emergency Telephone - §45 - (EC)1272/2008</b>
<b>Europe</b> 112

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

None

**2.2. Label elements****Hazard statements****Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.**2.3. Other hazards**

No information available.

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Sodium Laureth Sulfate 68891-38-3	5 - <10%	01-2119488639-16-0009	500-234-8	Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	Eye Dam./Irrit. 2A: 5 - 10 % Eye Dam./Irrit. 1: > 10 %	-	-
Sodium Chloride 7647-14-5	1 - <2.5%	No data available	231-598-3	No data available	-	-	-
Sodium Benzoate 532-32-1	0.5 - <1%	No data available	208-534-8	Aquatic Chronic 3 (H412) Eye Irrit. 2 (H319)	-	-	-
Glycerol 56-81-5	0.5 - <1%	No data available	200-289-5	No data available	-	-	-
Formic Acid 64-18-6	0.25 - <0.5%	01-2119491174-37-0000	(607-001-00-0) 200-579-1	Flam. Liq. 3 (H226) Skin Corr. 1A (H314) Acute Tox. 4 (H302) Eye Dam. 1 (H318) Acute Tox. 3 (H331)	Eye Irrit. 2 :: 2%<=C<10% Skin Corr. 1A :: C>=90% Skin Corr. 1B :: 10%<=C<90% Skin Irrit. 2 :: 2%<=C<10%	-	-
Citric Acid Monohydrate 5949-29-1	<0.025%	01-2119457026-42-0000	201-069-1	Eye Irrit. 2 (H319) STOT SE 3 (H335)	-	-	-

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

**Acute Toxicity Estimate**

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Sodium Laureth Sulfate 68891-38-3	No data available	2000	No data available	No data available	No data available
Sodium Chloride 7647-14-5	3000	10000	No data available	No data available	No data available
Sodium Benzoate 532-32-1	4070	No data available	No data available	No data available	No data available
Glycerol 56-81-5	12600	10000	2.75	No data available	No data available
Formic Acid 64-18-6	1100	No data available	7.85	No data available	No data available
Citric Acid Monohydrate 5949-29-1	3000	2000	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	If skin irritation or rash occurs: Get medical advice/attention.
<b>Ingestion</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

<b>Symptoms</b>	See Section 11 for additional Toxicological Information.
<b>Effects of Exposure</b>	See Section 11 for additional Toxicological Information.

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

<b>Note to physicians</b>	Treat symptomatically.
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**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** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**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** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with eyes.

**General hygiene considerations** Avoid contact with eyes.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Storage class (TRGS 510)** Not applicable.

**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	European Union	Austria	Belgium	Bulgaria	Croatia
Glycerol 56-81-5	-	-	TWA: 10 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup>
Formic Acid 64-18-6	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup> STEL 5 ppm STEL 9 mg/m <sup>3</sup> Ceiling: 5 ppm Ceiling: 9 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9.5 mg/m <sup>3</sup> STEL: 10 ppm STEL: 19 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9.0 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Glycerol 56-81-5	-	TWA: 10 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup>	TWA: 20 mg/m <sup>3</sup>
Formic Acid 64-18-6	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	TWA: 9 mg/m <sup>3</sup> Ceiling: 18 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup> STEL: 10 ppm STEL: 18 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	TWA: 3 ppm TWA: 5 mg/m <sup>3</sup> STEL: 10 ppm STEL: 19 mg/m <sup>3</sup>
Citric Acid Monohydrate 5949-29-1	-	TWA: 4 mg/m <sup>3</sup>	-	-	-
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Sodium Benzoate 532-32-1	-	TWA: 10 mg/m <sup>3</sup> H*	TWA: 10 mg/m <sup>3</sup> Peak: 20 mg/m <sup>3</sup> *	-	-
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup>	TWA: 200 mg/m <sup>3</sup>	TWA: 200 mg/m <sup>3</sup> Peak: 400 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-
Formic Acid 64-18-6	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9.5 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9.5 mg/m <sup>3</sup> Peak: 10 ppm Peak: 19 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	TWA: 9 mg/m <sup>3</sup> TWA: 5 ppm
Citric Acid Monohydrate 5949-29-1	-	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> Peak: 4 mg/m <sup>3</sup>	-	-
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Sodium Chloride 7647-14-5	-	-	-	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Formic Acid 64-18-6	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup> STEL: 15 ppm STEL: 27 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9.4 mg/m <sup>3</sup> STEL: 10 ppm STEL: 18.8 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland

Glycerol 56-81-5	-	-	-	-	TWA: 10 mg/m <sup>3</sup>
Formic Acid 64-18-6	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	STEL: 2.7 ppm STEL: 5 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup> STEL: 10 ppm STEL: 18 mg/m <sup>3</sup>	STEL: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
<b>Chemical name</b>	<b>Portugal</b>	<b>Romania</b>	<b>Slovakia</b>	<b>Slovenia</b>	<b>Spain</b>
Sodium Benzoate 532-32-1	-	-	-	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup> K*	-
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup>	-	TWA: 11 mg/m <sup>3</sup>	TWA: 200 mg/m <sup>3</sup> STEL: 400 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Formic Acid 64-18-6	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup> STEL: 10 ppm	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9.0 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup> STEL: 10 ppm STEL: 18 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 9 mg/m <sup>3</sup>
<b>Chemical name</b>	<b>Sweden</b>		<b>Switzerland</b>		<b>United Kingdom</b>
Sodium Benzoate 532-32-1	-		TWA: 0.2 ppm TWA: 1 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> STEL: 0.8 ppm STEL: 4 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup> H*		-
Glycerol 56-81-5	-		TWA: 50 mg/m <sup>3</sup> STEL: 100 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>
Formic Acid 64-18-6	Vägledande KGV: 5 ppm Vägledande KGV: 9 mg/m <sup>3</sup> NGV: 3 ppm NGV: 5 mg/m <sup>3</sup>		TWA: 5 ppm TWA: 9.5 mg/m <sup>3</sup> STEL: 10 ppm STEL: 19 mg/m <sup>3</sup>		TWA: 5 ppm TWA: 9.6 mg/m <sup>3</sup> STEL: 15 ppm STEL: 28.8 mg/m <sup>3</sup>
Citric Acid Monohydrate 5949-29-1	-		TWA: 2 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>		-

**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/cm <sup>2</sup> [5] [6]	175 mg/m <sup>3</sup> [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 <sup>3</sup> [4] [6] 2068.62 mg/m <sup>3</sup> [4] [7]
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts 97862-59-4	-	12.5 mg/kg bw/day [4] [6]	44 mg/m <sup>3</sup> [4] [6]
Sodium Benzoate 532-32-1	-	62.5 mg/kg bw/day [4] [6]	3 mg/m <sup>3</sup> [4] [6] 0.1 mg/m <sup>3</sup> [5] [6]
Sulfuri Acid, Mono C12-14 Alkyl (Even Numbered) Esters, Sodium Salts 85586-07-8	-	4060 mg/kg bw/day [4] [6]	285 mg/m <sup>3</sup> [4] [6]
Glycerol 56-81-5	-	-	56 mg/m <sup>3</sup> [5] [6]
Formic Acid 64-18-6	-	-	9.5 mg/m <sup>3</sup> [5] [6]

Chemical name	Oral	Dermal	Inhalation
Amides, C8-18 (even numbered) and C18-ymsatd., N,N-bis(hydroxyethyl) 68155-07-7	-	4.16 mg/kg bw/day [4] [6] 93.6 µg/cm2 [5] [6]	73.4 mg/m <sup>3</sup> [4] [6]
Dexpanthenol 81-13-0	-	41.66 mg/kg bw/day [4] [6]	146.9 mg/m <sup>3</sup> [4] [6]
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6	-	15000 mg/kg bw/day [4] [6]	7.3 mg/m <sup>3</sup> [4] [6]
Tartrazine 400% 1934-21-0	-	52.82 mg/kg bw/day [4] [6]	372.52 mg/m <sup>3</sup> [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 <sup>3</sup> [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 <sup>3</sup> [4] [6] 443.28 mg/m <sup>3</sup> [4] [7]
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts 97862-59-4	7.5 mg/kg bw/day [4] [6]	-	13.04 mg/m <sup>3</sup> [4] [6]
Sodium Benzoate 532-32-1	16.6 mg/kg bw/day [4] [6]	-	1.5 mg/m <sup>3</sup> [4] [6] 0.06 mg/m <sup>3</sup> [5] [6]
Sulfuri Acid, Mono C12-14 Alkyl (Even Numbered) Esters, Sodium Salts 85586-07-8	24 mg/kg bw/day [4] [6]	-	85 mg/m <sup>3</sup> [4] [6]
Glycerol 56-81-5	229 mg/kg bw/day [4] [6]	-	33 mg/m <sup>3</sup> [5] [6]
Formic Acid 64-18-6	-	-	3 mg/m <sup>3</sup> [5] [6]
Amides, C8-18 (even numbered) and C18-ymsatd., N,N-bis(hydroxyethyl) 68155-07-7	6.25 mg/kg bw/day [4] [6]	56.2 µg/cm2 [5] [6]	21.73 mg/m <sup>3</sup> [4] [6]
Dexpanthenol 81-13-0	25 mg/kg bw/day [4] [6]	-	43.47 mg/m <sup>3</sup> [4] [6]
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6	1.5 mg/kg bw/day [4] [6]	-	1.8 mg/m <sup>3</sup> [4] [6]
Tartrazine 400% 1934-21-0	26.41 mg/kg bw/day [4] [6]	-	91.86 mg/m <sup>3</sup> [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	-	-	-	-
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts 97862-59-4	0.0135 mg/L	-	0.00135 mg/L	-	-
Sodium Benzoate 532-32-1	0.13 mg/L	305 µg/L	0.013 mg/L	-	-
Sulfuri Acid, Mono C12-14 Alkyl (Even Numbered) Esters, Sodium Salts 85586-07-8	0.131 mg/L	0.036 mg/L	0.0131 mg/L	-	-
Glycerol 56-81-5	0.885 mg/L	8.85 mg/L	0.0885 mg/L	-	-
Formic Acid 64-18-6	2 mg/L	1 mg/L	0.2 mg/L	-	-
Amides, C8-18 (even numbered) and C18-ynsatd., N,N-bis(hydroxyethyl) 68155-07-7	0.007 mg/L	0.024 mg/L	0.0007 mg/L	-	-
Dexpanthenol 81-13-0	100 µg/L	1 mg/L	10 µg/L	0.1 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	-
Tartrazine 400% 1934-21-0	0.12 mg/L	1.2 mg/L	0.012 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	-
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts 97862-59-4	11.1 mg/kg sediment dw	1.11 mg/kg sediment dw	3000 mg/L	0.85 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
Sulfuri Acid, Mono C12-14 Alkyl (Even Numbered) Esters, Sodium Salts 85586-07-8	4.61 mg/kg sediment dw	0.461 mg/kg sediment dw	1.35 mg/L	0.846 mg/kg soil dw	-
Glycerol	3.3 mg/kg sediment	0.33 mg/kg	1000 mg/L	0.141 mg/kg soil dw	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
56-81-5	dw	sediment dw			
Formic Acid 64-18-6	13.4 mg/kg sediment dw	1.34 mg/kg sediment dw	7.2 mg/L	1.5 mg/kg soil dw	-
Amides, C8-18 (even numbered) and C18-ynsatd., N,N-bis(hydroxyethyl) 68155-07-7	0.195 mg/kg sediment dw	0.0195 mg/kg sediment dw	830 mg/L	0.0348 mg/kg soil dw	-
Dexpanthenol 81-13-0	204 µg/kg sediment dw	20.4 µg/kg sediment dw	1000 mg/L	13.5 µg/kg soil dw	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6	-	-	41.2 mg/L	0.5 mg/kg soil dw	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	-

## 8.2. Exposure controls

<b>Engineering controls</b>	No information available.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Avoid contact with eyes.
<b>Hand protection</b>	No special protective equipment required.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Avoid contact with eyes.
<b>Environmental exposure controls</b>	No information available.

## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear Colourless Viscous Liquid
<b>Color</b>	Colourless
<b>Odor</b>	Fruity/Floral/Rhubarb.
<b>Odor threshold</b>	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive</b>	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 4.2	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	3500cPs 8500 cPs	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available	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	1.020 1.040	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapor density	No data available	None known
Particle characteristics		
Particle Size		
Particle Size Distribution		

## 9.2. Other information

### *9.2.1. Information with regard to physical hazard classes*

Not applicable

### *9.2.2. Other safety characteristics*

Not applicable

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Reactivity Stable.

### 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 hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Information on likely routes of exposure**

##### **Product Information**

<b>Inhalation</b>	No known effect based on information supplied.
<b>Eye contact</b>	May cause redness, itching, and pain. Irritating to eyes.
<b>Skin contact</b>	May cause sensitization in susceptible persons.
<b>Ingestion</b>	No known effect based on information supplied.

#### **Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

#### **Acute toxicity**

##### **Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	140,350.90 mg/kg
<b>ATEmix (dermal)</b>	31,019.80 mg/kg
<b>ATEmix (inhalation-gas)</b>	164,705.90 ppm

##### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Laureth Sulfate	-	> 2000 mg/kg ( Rat )	-
Sodium Chloride	= 3 g/kg ( Rat )	> 10000 mg/kg ( Rabbit )	> 42 mg/L ( Rat ) 1 h
Sodium Benzoate	= 4070 mg/kg ( Rat )	-	-
Glycerol	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 2.75 mg/L ( Rat ) 4 h
Formic Acid	= 1100 mg/kg ( Rat )	-	= 7.85 mg/L ( Rat ) 4 h
Citric Acid Monohydrate	= 3 g/kg ( Rat )	> 2000 mg/kg ( Rat )	-

#### **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** May cause sensitization in susceptible persons.

**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.

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

**11.2.2. Other information**

**Other adverse effects** No other adverse effects expected.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity** Not considered to be harmful to aquatic life.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Chloride	-	LC50: 5560 - 6080mg/L (96h, Lepomis macrochirus) LC50: =12946mg/L (96h, Lepomis macrochirus) LC50: 6020 - 7070mg/L (96h, Pimephales promelas) LC50: =7050mg/L (96h, Pimephales promelas) LC50: 6420 - 6700mg/L (96h, Pimephales promelas) LC50: 4747 - 7824mg/L (96h, Oncorhynchus mykiss)	-	EC50: =1000mg/L (48h, Daphnia magna) EC50: 340.7 - 469.2mg/L (48h, Daphnia magna)

Sodium Benzoate	-	LC50: 420 - 558mg/L (96h, Pimephales promelas) LC50: >100mg/L (96h, Pimephales promelas)	-	EC50: <650mg/L (48h, Daphnia magna)
Glycerol	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-
Formic Acid	EC50: =25mg/L (96h, Desmodesmus subspicatus) EC50: =26.9mg/L (72h, Desmodesmus subspicatus)	-	-	EC50: =120mg/L (48h, Daphnia magna) EC50: 138 - 165.6mg/L (48h, Daphnia magna)
Citric Acid Monohydrate	-	LC50: =1516mg/L (96h, Lepomis macrochirus)	-	-

**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
Sodium Benzoate	-2.13
Glycerol	-1.75
Formic Acid	-1.9
Citric Acid Monohydrate	-1.72

**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
Sodium Chloride	The substance is not PBT / vPvB
Sodium Benzoate	The substance is not PBT / vPvB
Glycerol	The substance is not PBT / vPvB
Formic Acid	The substance is not PBT / vPvB
Citric Acid Monohydrate	The substance is not PBT / vPvB

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties**

**12.7. Other adverse effects**

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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

**SECTION 14: Transport information****IATA**

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

**IMDG**

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

**RID**

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

**ADR**

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

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

**France****Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number
Sodium Chloride - 7647-14-5	RG 78

**European Union**

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.

**Authorizations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Formic Acid - 64-18-6	75.	-

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**EU - Plant Protection Products (1107/2009/EC)**

Chemical name	EU - Plant Protection Products (1107/2009/EC)
Sodium Chloride - 7647-14-5	Plant protection agent

**Biocidal Products Regulation (EU) No 528/2012 (BPR)**

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Sodium Chloride - 7647-14-5	Product-type 1: Human hygiene
Sodium Benzoate - 532-32-1	Simplified procedure - Category 1
Formic Acid - 64-18-6	Product-type 2: Disinfectants and algicides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene Product-type 4: Food and feed area Product-type 5: Drinking water Product-type 6: Preservatives for products during storage

**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  
**AIC** - 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

H226 - Flammable liquid and vapor  
 H302 - Harmful if swallowed  
 H314 - Causes severe skin burns and eye damage  
 H315 - Causes skin irritation  
 H318 - Causes serious eye damage  
 H319 - Causes serious eye irritation  
 H331 - Toxic if inhaled  
 H335 - May cause respiratory irritation  
 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	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
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

**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 12/10/2025

**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)****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**

**Europe****EU SDS version information - EGHS**

UL release:  
 GHS Revision 7  
 2022 Q1

**Europe**

Partial process, including GHS Wizard, NO TW

Full text of H-Statements referred to under section 3 H226 - Flammable liquid and vapor H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H315 - Causes skin irritation H318 - Causes serious eye damage H319 - Causes serious eye irritation H331 - Toxic if inhaled H335 - May cause respiratory irritation H412 - Harmful to aquatic life with long lasting effects

Chemical name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
Sodium Laureth Sulfate	Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315)	Eye Dam./Irrit. 2A: 5 - 10 % Eye Dam./Irrit. 1: > 10 %

	Eye Dam. 1 (H318)	
Sodium Benzoate	Aquatic Chronic 3 (H412) Eye Irrit. 2 (H319)	
Formic Acid	Flam. Liq. 3 (H226) Skin Corr. 1A (H314) Acute Tox. 4 (H302) Eye Dam. 1 (H318) Acute Tox. 3 (H331)	Eye Irrit. 2 :: 2%≤C<10% Skin Corr. 1A :: C≥90% Skin Corr. 1B :: 10%≤C<90% Skin Irrit. 2 :: 2%≤C<10%
Citric Acid Monohydrate	Eye Irrit. 2 (H319) STOT SE 3 (H335)	

Chemical name	CAS No	French RG number
Sodium Chloride	7647-14-5	RG 78

Storage class (TRGS 510)

Not applicable