

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

Issuing Date 03-Jun-2020

Revision Date 29-May-2020

Revision Number 1

EGHS / English



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publicly available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved.

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

1.1. Product identifier

Product Name John Frieda Frizz Ease Miraculous Recovery Repairing Shampoo (5069904032)

Chemical name

Contains Sodium lauryl sulfate, Sodium laureth sulfate

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

Recommended Use Shampoo (Liquid).

Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Supplier Name Kao Germany GmbH

Supplier Address Pfungstaedter Strasse 92-100
Darmstadt, D-64297
DE

For further information, please contact.

1.4. Emergency telephone number

Emergency telephone + 44 (0) 207 851 19800

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture



Regulation (EC) No 1272/2008

Aspiration hazard	Category 1 - (H304)
Acute toxicity - Dermal	Category 4 - (H312)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 2 - (H371)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains Sodium lauryl sulfate, Sodium laureth sulfate



Signal word

Danger

Hazard Statements

H304 - May be fatal if swallowed and enters airways

H312 - Harmful in contact with skin

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H371 - May cause damage to organs

H412 - Harmful to aquatic life with long lasting effects

EUH208 - Contains Benzyl alcohol, Methylchloroisothiazolinone, Methylisothiazolinone EUH208 - May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P331 - Do NOT induce vomiting

P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product requires tactile warnings if supplied to the general public

This product requires child resistant fastenings if supplied to the general public

This product requires child resistant fastenings when supplied to the general public unless the product is placed on the market in the form of aerosols or in a container with a sealed spray attachment

2.3. Other hazards

May be harmful if swallowed

Toxic to aquatic life

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Sodium laureth sulfate	221-416-0	9004-82-4	10.5	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) STOT SE 2 (H371) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411)	No data available
Sodium lauryl sulfate	205-788-1	151-21-3	3	Acute Tox. 4 (H302) Acute Tox. 2 (H310) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	No data available
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, inner salts	263-058-8	61789-40-0	1.6	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available
Dimethyl silicone	-	9006-65-9	1.2	Eye Irrit. 2 (H319)	No data available
Cetyl alcohol	253-149-0	36653-82-4	1	Aquatic Chronic 2 (H411)	No data available
1,2,3,4-Butanetetrol, (R,-)	205-737-3	149-32-6	1	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) STOT SE 3 (H335)	No data available
Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride	-	65497-29-2	0.3	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Benzyl alcohol	202-859-9	100-51-6	0.2502	Acute Tox. 4 (H302) Acute Tox. 4 (H332)	No data available
D-Limonene	227-813-5	5989-27-5	0.0268	Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Sodium Benzoate	208-534-8	532-32-1	0.025	Acute Tox. 5 (H303) Eye Irrit. 2A (H319)	No data available
Copra	232-282-8	8001-31-8	0.01	Self-heat. 2 (H252)	No data available
Methylchloroisothiazolinone	247-500-7	26172-55-4	0.0008	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 2 (H330) Aquatic Acute 1 (H400)	No data available

				Aquatic Chronic 1 (H410) Skin Sens. 1 (H317)	
Sodium hydroxide	215-185-5	1310-73-2	0.0005	Skin Corr. 1A (H314)	No data available
Methylisothiazolinone	220-239-6	2682-20-4	0.0003	Acute Tox. 3 (H301) (EUH071) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Acute Tox. 2 (H330) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Iodopropynyl butylcarbamate	259-627-5	55406-53-6	0.0002	Acute Tox. 4 (H302) STOT RE 1 (H372) Acute Tox. 3 (H331) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

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

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

- General advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
- Inhalation** Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.
- Skin contact** If symptoms persist, call a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.
- Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.
- Ingestion** Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical advice/attention.



Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Burning sensation.

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

Note to physicians Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

Section 5: FIRE FIGHTING 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

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous Combustion Products

Carbon oxides.

5.3. Advice for firefighters

Special protective equipment 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. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.

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 Prevent further leakage or spillage if safe to do so.

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 Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

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. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General Hygiene Considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Store away from other materials.

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	United Kingdom	France	Spain	Germany
Benzyl alcohol 100-51-6	-	-	-	-	TWA: 5 ppm TWA: 22 mg/m ³ S*
D-Limonene 5989-27-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	vía dérmica* TWA: 30 ppm TWA: 168 mg/m ³	TWA: 5 ppm TWA: 28 mg/m ³ S*
Sodium Benzoate 532-32-1	-	-	-	-	TWA: 10 mg/m ³ S*

Copra 8001-31-8	-	-	-	-	TWA: 5 mg/m ³
Sodium hydroxide 1310-73-2	-	STEL: 2 mg/m ³	TWA: 2 mg/m ³	STEL: 2 mg/m ³	-
Iodopropynyl butylcarbamate 55406-53-6	-	-	-	-	TWA: 0.005 ppm TWA: 0.058 mg/m ³
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Benzyl alcohol 100-51-6	-	-	-	TWA: 10 ppm TWA: 45 mg/m ³	-
D-Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³	-
Sodium hydroxide 1310-73-2	-	Ceiling: 2 mg/m ³	-	Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Benzyl alcohol 100-51-6	-	H* TWA: 5 ppm TWA: 22 mg/m ³	TWA: 240 mg/m ³	-	-
D-Limonene 5989-27-5	-	STEL: 14 ppm STEL: 80 mg/m ³ TWA: 7 ppm TWA: 40 mg/m ³	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³	-
Copra 8001-31-8	-	TWA: 5 mg/m ³	-	-	-
Methylchloroisothiazoli none 26172-55-4	TWA: 0.05 mg/m ³	STEL: 0.4 mg/m ³ TWA: 0.2 mg/m ³	-	-	-
Sodium hydroxide 1310-73-2	STEL 4 mg/m ³ TWA: 2 mg/m ³	STEL: 2 mg/m ³ TWA: 2 mg/m ³	STEL: 1 mg/m ³ TWA: 0.5 mg/m ³	Ceiling: 2 mg/m ³	STEL: 2 mg/m ³
Methylisothiazolinone 2682-20-4	TWA: 0.05 mg/m ³	STEL: 0.4 mg/m ³ TWA: 0.2 mg/m ³	-	-	-
Iodopropynyl butylcarbamate 55406-53-6	-	STEL: 0.02 ppm STEL: 0.24 mg/m ³ TWA: 0.01 ppm TWA: 0.12 mg/m ³	-	-	-

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear safety glasses with side-shields.

Hand Protection Wear suitable gloves. Impervious gloves.

Skin and body protection	Wear suitable protective clothing. Long sleeved clothing.
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.
Environmental exposure controls	No information available.
General Hygiene Considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	White
Odor	Pleasant
Color	No information available
Odor Threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	5		
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	No data available	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air		None known	
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Relative density	1		
Water Solubility	Partially soluble		
Solubility(ies)	No data available	None known	
Partition coefficient: n-octanol/water	No data available		
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Explosive properties	No data available		
Oxidizing properties	No data available		

9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available



Particle Size No information available
Particle Size Distribution No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Remarks No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

10.4. Conditions to avoid

None known.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

10.5. Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.

Skin contact Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes skin irritation. (based on

components).

Ingestion

Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes.

Numerical measures of toxicity

Acute Toxicity

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

ATEmix (oral) 3,693.30 mg/kg
ATEmix (dermal) 1,386.90 mg/kg

Unknown acute toxicity

- 19.8 % of the mixture consists of ingredient(s) of unknown toxicity
- 4.3 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 16.8 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 19.8 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 19.8 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 19.8 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium laureth sulfate	= 1600 mg/kg (Rat)	-	-
Sodium lauryl sulfate	= 1288 mg/kg (Rat)	= 200 mg/kg (Rabbit)	> 3900 mg/m ³ (Rat) 1 h
1-Propanaminium, 3-amino-N-(carboxymethyl)- N,N-dimethyl-, N-coco acyl derivitives, inner salts	> 10000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Dimethyl silicone	-	> 2008 mg/kg (Rat)	-
Cetyl alcohol	> 5 g/kg (Rat)	> 2600 mg/kg (Rabbit)	-
1,2,3,4-Butanetetrol, (R,-)	= 13500 mg/kg (Rat) = 13100 mg/kg (Rat)	-	-
Guar gum, 2-hydroxy-3-(trimethylammo nio)propyl ether, chloride	= 12500 mg/kg (Rat)	-	-
Benzyl alcohol	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
D-Limonene	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Sodium Benzoate	= 4070 mg/kg (Rat)	-	-
Copra	> 5000 mg/kg (Rat)	-	-
Methylchloroisothiazolinone	= 481 mg/kg (Rat)	-	= 1.23 mg/L (Rat) 4 h

Sodium hydroxide	= 325 mg/kg (Rat)	= 1350 mg/kg (Rabbit)	-
Methylisothiazolinone	= 120 mg/kg (Rat) 232 - 249 mg/kg (Rat)	= 200 mg/kg (Rabbit)	= 0.11 mg/L (Rat) 4 h
Iodopropynyl butylcarbamate	= 1470 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 0.99 mg/L (Rat) 4 h = 0.67 mg/L (Rat) 4 h = 0.63 mg/L (Rat) 4 h

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

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive Toxicity	No information available.
STOT - single exposure	Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). May cause damage to organs in contact with skin. H371 - May cause damage to the following organs: Digestive System.
STOT - repeated exposure	No information available.
Aspiration hazard	May be fatal if swallowed and enters airways.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity	Toxic to aquatic life. Harmful to aquatic life with long lasting effects. .
Unknown aquatic toxicity	0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium lauryl sulfate	96h EC50: 30 - 100 mg/L (Desmodesmus)	96h LC50: 9.9 - 20.1 mg/L (Brachydanio)	EC50 = 0.46 mg/L 30 min	48h EC50: = 1.8 mg/L (Daphnia magna)

	subspicatus) 96h EC50: = 117 mg/L (Pseudokirchneriella subcapitata) 72h EC50: = 53 mg/L (Desmodesmus subspicatus) 96h EC50: 3.59 - 15.6 mg/L (Pseudokirchneriella subcapitata)	rerio) 96h LC50: 10.2 - 22.5 mg/L (Pimephales promelas) 96h LC50: 15 - 18.9 mg/L (Pimephales promelas) 96h LC50: 4.2 - 4.8 mg/L (Lepomis macrochirus) 96h LC50: = 4.5 mg/L (Lepomis macrochirus) 96h LC50: = 4.2 mg/L (Oncorhynchus mykiss) 96h LC50: 22.1 - 22.8 mg/L (Pimephales promelas) 96h LC50: 4.3 - 8.5 mg/L (Oncorhynchus mykiss) 96h LC50: 13.5 - 18.3 mg/L (Poecilia reticulata) 96h LC50: 6.2 - 9.6 mg/L (Pimephales promelas) 96h LC50: = 1.31 mg/L (Cyprinus carpio) 96h LC50: 10.8 - 16.6 mg/L (Poecilia reticulata) 96h LC50: 8 - 12.5 mg/L (Pimephales promelas) 96h LC50: 5.8 - 7.5 mg/L (Pimephales promelas) 96h LC50: = 4.62 mg/L (Oncorhynchus mykiss) 96h LC50: 4.06 - 5.75 mg/L (Lepomis macrochirus) 96h LC50: = 7.97 mg/L (Brachydanio rerio)	EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min	
1-Propanaminium, 3-amino-N-(carboxyme thyl)-N,N-dimethyl-, N-coco acyl derivatives, inner salts	72h EC50: 1.0 - 10.0 mg/L (Desmodesmus subspicatus)	96h LC50: 1.0 - 10.0 mg/L (Brachydanio rerio) 96h LC50: = 2 mg/L (Brachydanio rerio)	-	48h EC50: = 6.5 mg/L (Daphnia magna)
Cetyl alcohol	-	96h LC50: > 0.4 mg/L (Oncorhynchus mykiss)	-	-
Benzyl alcohol	3h EC50: = 35 mg/L (Anabaena variabilis)	96h LC50: = 10 mg/L (Lepomis macrochirus) 96h LC50: = 460 mg/L (Pimephales promelas)	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30	48h EC50: = 23 mg/L (water flea)

			min	
D-Limonene	-	96h LC50: 0.619 - 0.796 mg/L (Pimephales promelas) 96h LC50: = 35 mg/L (Oncorhynchus mykiss)	-	-
Sodium Benzoate	-	96h LC50: 420 - 558 mg/L (Pimephales promelas) 96h LC50: > 100 mg/L (Pimephales promelas)	EC50 = 500 mg/L 24 h	48h EC50: < 650 mg/L (Daphnia magna)
Methylchloroisothiazolinone	72h EC50: 0.11 - 0.16 mg/L (Pseudokirchneriella subcapitata) 120h EC50: = 0.31 mg/L (Anabaena flos-aquae) 96h EC50: 0.03 - 0.13 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 1.6 mg/L (Oncorhynchus mykiss)	EC50 = 5.7 mg/L 16 h	48h EC50: 0.12 - 0.3 mg/L (Daphnia magna) 48h EC50: 0.71 - 0.99 mg/L (Daphnia magna) 48h EC50: = 4.71 mg/L (Daphnia magna)
Sodium hydroxide	-	96h LC50: = 45.4 mg/L (Oncorhynchus mykiss)	-	-
Iodopropynyl butylcarbamate	-	96h LC50: 0.14 - 0.32 mg/L (Lepomis macrochirus) 96h LC50: 0.049 - 0.079 mg/L (Oncorhynchus mykiss) 96h LC50: 0.05 - 0.089 mg/L (Oncorhynchus mykiss) 96h LC50: 0.18 - 0.23 mg/L (Pimephales promelas)	-	-

12.2. Persistence and degradability

Persistence and Degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Chemical name	Log Pow
Sodium lauryl sulfate	1.6
Cetyl alcohol	6.65
Benzyl alcohol	1.1
Sodium Benzoate	-2.13

Methylchloroisothiazolinone	0.75
-----------------------------	------

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Sodium lauryl sulfate	The substance is not PBT / vPvB
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, inner salts	The substance is not PBT / vPvB
Cetyl alcohol	The substance is not PBT / vPvB
1,2,3,4-Butanetetrol, (R,-)	The substance is not PBT / vPvB
Benzyl alcohol	The substance is not PBT / vPvB
D-Limonene	The substance is not PBT / vPvB PBT assessment does not apply
Sodium Benzoate	The substance is not PBT / vPvB
Sodium hydroxide	The substance is not PBT / vPvB PBT assessment does not apply
Methylisothiazolinone	The substance is not PBT / vPvB
Iodopropynyl butylcarbamate	The substance is not PBT / vPvB PBT assessment does not apply

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. Dispose of waste in accordance with environmental legislation.

Contaminated packaging No information available.

Section 14: TRANSPORT INFORMATION

IMDG/IMO	Not regulated
14.1 UN-No.	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	N/A
14.4 Packing Group	Not regulated
14.5 Marine Pollutant	Not applicable
14.6 Special Provisions	None



14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

RID Not regulated
 14.1 UN-No. Not regulated
 14.2 Proper Shipping Name Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group Not regulated
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions None

ADR Not regulated
 14.1 UN-No. Not regulated
 14.2 Proper Shipping Name Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group Not regulated
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions None

IATA Not regulated
 14.1 UN-No. Not regulated
 14.2 Proper Shipping Name NON REGULATED
 14.3 Hazard Class N/A
 14.4 Packing Group Not regulated
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions 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	Title
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, inner salts 61789-40-0	RG 65, RG 66	-
Benzyl alcohol 100-51-6	RG 84	-
D-Limonene 5989-27-5	RG 84	-
Iodopropynyl butylcarbamate 55406-53-6	RG 5, RG 14, RG 15, RG 15bis, RG 20bis	-

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Persistent Organic Pollutants

Not applicable.

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

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.
AICS	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
AICS	- Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information 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

EUH071 - Corrosive to the respiratory tract
H226 - Flammable liquid and vapor
H252 - Self-heating in large quantities; may catch fire
H301 - Toxic if swallowed

- H302 - Harmful if swallowed
- H303 - May be harmful if swallowed
- H304 - May be fatal if swallowed and enters airways
- H310 - Fatal in contact with skin
- H311 - Toxic in contact with skin
- H312 - Harmful in contact with skin
- H314 - Causes severe skin burns and eye damage
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H330 - Fatal if inhaled
- H331 - Toxic if inhaled
- H332 - Harmful if inhaled
- H335 - May cause respiratory irritation
- H371 - May cause damage to organs
- H372 - Causes damage to organs through prolonged or repeated exposure
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H411 - Toxic to aquatic life with long lasting effects
- H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Classification procedure

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)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGL(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- Organization for Economic Co-operation and Development High Production Volume Chemicals Program



Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
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
U.S. Environmental Protection Agency High Production Volume Chemicals
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Issuing Date 03-Jun-2020

Revision Date 29-May-2020

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.

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