

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## HUMDAKIN – ANTI SMELL HAND SOAP

Date of issue:

17. 06. 2021

Version: 1.0

This product is a cosmetic product, Regulation 1272/2008/EC - CLP (Article 1) and Title IV of Regulation 1907/2006/EC - REACH (Article 2) are not applicable. This document describes facts of product only and may not correspond to the abovementioned legislative norms, albeit format is used for the safety data sheet.

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

#### 1.1. Product identifier

**Product Name**

HUMDAKIN – ANTI SMELL HAND SOAP

**UFI code**

None.

**Product code**

CH-589-1

**Mixture description**

Water solution.

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

**Identified uses**

Cosmetic product.

**Uses advised against**

Not known. It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

#### 1.3. Details of the supplier of the safety data sheet

HUMDAKIN

Estrupvej 1

DK-8380 TRIGE

Denmark

telephone: +45 70 70 75 70

e-mail address for a competent person responsible for the SDS: [info@humdakin.com](mailto:info@humdakin.com)

#### 1.4. Emergency telephone number

112 (General emergency phone).

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

The mixture is classified as **hazardous** according to regulation 1272/2008/EC.

**Classification according to 1272/2008/EC**

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Eye Dam. 1; H318

Aquatic Chronic 3; H412

Full text of classifications and H-phrases: see section 16.

### **The most important adverse physical, human health and environmental effects**

Causes serious eye damage. Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

### **Hazard pictograms**



### **Signal word**

Danger.

### **Substances of the mixture to be placed on the label**

Contains Alcohols, C12-14, ethoxylated, sulfates, sodium salts, Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl), 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts.

### **Hazard statements**

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

### **Precautionary statements**

P273 Avoid release to the environment.

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

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### **Supplemental hazard information**

Mandatory additional information is not required according to CLP regulation.

## 2.3. Other hazards

Mixture do not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation. Mixture do not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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### 3.2.1. Substances of a mixture classified as hazardous

Identification of substance		Content wt. %	Classification according to 1272/2008/EC
Alcohols, C12-14, ethoxylated, sulfates, sodium salts			
CAS Number	68891-38-3	< 11	Skin Irrit. 2; H315
EC Number	500-234-8		Eye Dam. 1; H318
Index Number	not given		Aquatic Chronic 3; H412
Registration Number	01-2119488639-16-XXXX		
The substance has specific concentration limits:			
Eye Dam. 1; H318	C ≥ 10 %		
Eye Irrit. 2; H319	5 % < C < 10 %		
Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl); C8-18 and C18-unsatd. DEA			
CAS Number	not given	≤ 3.0	Skin Irrit. 2; H315
EC Number	931-329-6		Eye Dam. 1; H318
Index Number	not given		Aquatic Chronic 2; H411
Registration Number	01-2119490100-53-XXXX		
< 3 % free DEA			
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts			
CAS Number	not given	< 1.5	Eye Dam. 1; H318
EC Number	931-333-8		Aquatic Chronic 3; H412
Index Number	not given		
Registration Number	01-2119489410-39-XXXX		
The substance has specific concentration limits:			
Eye Dam. 1; H318	C > 10 %		
Eye Irrit. 2; H319	4 % < C ≤ 10 %		
Reaction mass of 3,7-dimethyloct-7-en-1-yl 3-methylbut-2-enoate and 3,7-dimethyloctyl 3-methyl-2-butenate and citronellyl 3-methylcrotonate			
CAS Number	not given	< 0.18	Aquatic Acute 1; H400
EC Number	946-248-1		Aquatic Chronic 2; H411
Index Number	not given		M=10
Registration Number	01-2120742577-46-XXXX		
Acrylamide			

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CAS Number	79-06-1		Acute Tox. 3; H301
EC Number	201-173-7		Acute Tox. 4; H312
Index Number	not given	< 0.002	Skin Irrit. 2; H315
Registration Number	01-2119463260-48-XXXX		Skin Sens. 1; H317
			Eye Irrit. 2; H319
			Acute Tox. 4; H332
			Muta. 1B; H340
			Carc. 1B; H350
			Repr. 2; H361f
			STOT RE 1; H372
			(Peripheral nervous system)

Full text of classifications and H-phrases: see section 16.

### SECTION 4: First aid measures

In all cases keep the victim at physical and mental rest and warm. In case of doubt or if symptoms persist, seek medical attention. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Protect yourself during rescue work.

#### 4.1. Description of first aid measures

##### **Inhalation**

Interrupt the exposure, move the person to the fresh air. In case of persistent nausea, seek medical advice.

##### **Skin contact**

This product is a cosmetic product.

##### **Eye contact**

Rinse with a gentle stream of water for at least 15 minutes. Keep your eyelids wide open with your thumb and forefinger. If the affected person is wearing contact lenses, remove them before rinsing eyes if it is easy. Seek medical advice.

##### **Ingestion**

Rinse your mouth and then drink plenty of water. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice.

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

Are not known.

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

Treat symptomatically and supportively.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

The product is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unsuitable extinguishing media**

Solid streams of water may be ineffective.

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### 5.2. Special hazards arising from the substance or mixture

In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

In case of fires, hazardous combustion gases are formed: carbon oxides, sulphur oxides, nitrogen oxides and products of incomplete combustion.

### 5.3. Advice for firefighters

Stop further leakage of product if possible. Spilled product, which does not burn, cover with sand or foam. Move containers and barrels away from the fire to a safe place, if possible. Cool all affected containers down with flooding quantities of water. If the fire can't be extinguished - evacuate the premises.

In case of fire, wear suitable respiratory protective equipment and fire-fighting suit.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, use suitable protective equipment and clothing, see Section 8. Ensure adequate ventilation. Avoid formation of vapour and aerosol. At the point of leakage, prevent the movement of unauthorized persons.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. If this cannot be avoided, inform the competent authorities (police and firefighters) immediately.

### 6.3. Methods and material for containment and cleaning up

According to the amount of spilled liquid, drain away the substance (large spillage) or in case of small spillage, absorb it with suitable absorbent (vermiculite, dry sand), put into labelled closed containers and dispose of them accordingly to Section 13. Flush residues with water and collect it for waste disposal. Do not use solvents or dispersants unless instructed by an expert or government authority.

If container is damaged, remove the content to the new undamaged container and label it properly again.

### 6.4. Reference to other sections

Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes. Personal protection see. Section 8. Ensure good ventilation to prevent formation of vapor and aerosol.

Smoking, eating and drinking should be prohibited at the place of use. Keep safety regulations for handling chemicals. Take off contaminated clothing and protective equipment before entering the dining area. Do not use dirty clothing. After work wash yourself carefully with warm water and soap, take a shower. Use protective cream.

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

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature.

Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

Shelf Life: 31 months.

PAO (Period After Opening): 6 months.

### 7.3. Specific end use(s)

See subsection 1.2.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Exposure limit value

<b>Acrylamide</b>			CAS: 79-06-1
Limit values - Eight hours	Limit values - Short-term	Note	
0.1 mg/m <sup>3</sup> - ppm	- mg/m <sup>3</sup> - ppm	skin	

##### 8.1.2. Biological limit values

<b>Acrylamide</b>		CAS: 79-06-1
Biological limit value (BLV)	Biological guidance value (BGV)	
not given	Acrylamide haemoglobin adducts (AAVal Hb adducts): 80 pmol/g globin (for non-smokers)	

##### 8.1.3. DNEL and PNEC values

<b>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</b>	CAS: 68891-38-3
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DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	175 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	2 750 mg/kg/day
Workers	Dermal	Local effect	Long term	132 µg/cm <sup>2</sup>
General population	Inhalation	Systemic effect	Long term	52 mg/m <sup>3</sup>
General population	Dermal	Systemic effect	Long term	1 650 mg/kg/day
General population	Dermal	Local effect	Long term	79 µg/cm <sup>2</sup>
General population	Oral	Systemic effect	Long term	15 mg/kg/day

PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.24 mg/l	0.024 mg/l	0.071 mg/l	not given	10 g/l

PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.917 mg/kg	0.092 mg/kg	no effect	7.5 mg/kg	no effect

<b>Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)</b>	ES: 931-329-6
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DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	73.4 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	4.16 mg/kg/day
Workers	Dermal	Local effect	Long term	93.6 µg/cm <sup>2</sup>
General population	Inhalation	Systemic effect	Long term	21.73 mg/m <sup>3</sup>



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General population	Dermal	Systemic effect	Long term	2.5 mg/kg/day
General population	Dermal	Local effect	Long term	56.2 µg/cm²
General population	Oral	Systemic effect	Long term	6.25 mg/kg/day
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
0.007 mg/l	0.001 mg/l	Fresh water	Marine water	830 mg/l
0.024 mg/l	not given			
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.195 mg/kg	0.019 mg/kg	no effect	0.035 mg/kg	no effect
<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts</b>				ES: 931-333-8
<b>DNEL</b>				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	44 mg/m³
Workers	Dermal	Systemic effect	Long term	12.5 mg/kg/day
General population	Inhalation	Systemic effect	Long term	13.04 mg/m³
General population	Dermal	Systemic effect	Long term	7.5 mg/kg/day
General population	Oral	Systemic effect	Long term	7.5 mg/kg/day
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
0.013 mg/l	0.001 mg/l	Fresh water	Marine water	3 000 mg/l
not given	not given			
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
14.8 mg/kg	1.48 mg/kg	no effect	0.8 mg/kg	no effect
<b>Reaction mass of 3,7-dimethyloct-7-en-1-yl 3-methylbut-2-enoate and 3,7-dimethyloctyl 3-methyl-2-butenate and citronellyl 3-methylcrotonate</b>				ES: 946-248-1
<b>DNEL - not yet available</b>				
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
2.8 µg/l	0.28 µg/l	Fresh water	Marine water	3 mg/l
0.76 µg/l	0.076 µg/l			
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
5.6 mg/kg	0.56 mg/kg	no effect	1.12 mg/kg	no effect
<b>Acrylamide</b>				CAS: 79-06-1

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<b>DNEL</b>				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	0.07 mg/m <sup>3</sup>
Workers	Inhalation	Systemic effect	Acute/short term	120 mg/m <sup>3</sup>
Workers	Inhalation	Local effect	Acute/short term	120 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	0.1 mg/kg/day
Workers	Dermal	Systemic effect	Acute/short term	3 mg/kg/day
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.032 mg/l	2 µg/l	0.32 mg/l	not given	0.2 mg/l
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
no exposure of sediment expected	no exposure of sediment expected	not given	no exposure of soil expected	no effect
<b>8.2. Exposure controls</b>				
<b>8.2.1. Appropriate engineering controls</b>				
Use only in well-ventilated areas.				
Observe usual safety precautions for working with chemicals. The degree of effectiveness of personal protective equipment depends on temperature and ventilation levels.				
<b>8.2.2. Individual protection measures, such as personal protective equipment</b>				
Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.				
<b>Eye/face protection</b>				
Wear safety goggles or face shield when manufacturing and handling the product. They are not necessary when used by the consumer.				
<b>Skin protection - hand protection</b>				
Wear protective gloves when manufacturing and handling the product. They are not necessary when used by the consumer.				
The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off.				
<b>Skin protection - other</b>				
In normal use is not necessary, in case of prolonged contact with the product, wear protective work clothes and shoes.				
<b>Respiratory protection</b>				
Not necessary in case of compliance concentration limits (if they were exceeded, use a respirator against organic vapour). In the event of an accident or a fire use self-contained breathing apparatus.				
<b>Thermal hazards</b>				



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In normal use is not necessary protective equipment to be worn for materials that represent a thermal hazard.

### 8.2.3. Environmental exposure controls

Uncontrolled release of the mixture into environment is to be avoided. Keep the emission limits according to national legislation.

## SECTION 9: Physical and chemical properties

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

#### Mixture

<b>Physical state</b>	Homogeneous surfactant/tenside.
<b>Colour</b>	Light yellow.
<b>Odour</b>	Based on the used perfume (White Cotton Special).
<b>Melting point/freezing point</b>	Not determined.
<b>Boiling point or initial boiling point and boiling range</b>	Not determined.
<b>Flammability</b>	The mixture is not classified as flammable liquid.
<b>Lower explosion limit</b>	Not determined.
<b>Upper explosion limit</b>	Not determined.
<b>Flash point</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition temperature</b>	Not determined, the mixture does not contain self-reactive substances or organic peroxides or other substances which may decompose.
<b>pH</b>	5.0 - 5.5
<b>Kinematic viscosity</b>	Not determined, the mixture does not contain a substance classified as aspiration toxic, or the sum of the concentrations of substances classified as aspiration toxic is less than 10 wt. %.
<b>Solubility</b>	Soluble in water.
<b>Partition coefficient n-octanol/water (log value)</b>	Does not apply to mixture.
<b>Vapour pressure</b>	Not determined.
<b>Density and/or relative density</b>	Not determined.
<b>Relative vapour density</b>	Not determined.
<b>Particle characteristics</b>	Does not apply to paste.

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

CAS: 68891-38-3

<b>Physical state</b>	Solid.
<b>Colour</b>	Yellowish.
<b>Odour</b>	Rancid.
<b>Melting point/freezing point</b>	> 300 °C (ASTM E737-76).

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<b>Boiling point or initial boiling point and boiling range</b>	Not determined, the substance has a melting point higher than 300 °C.
<b>Flammability</b>	The substance is not classified as flammable solid (EU method A.10)
<b>Lower explosion limit</b>	Does not apply to solid.
<b>Upper explosion limit</b>	Does not apply to solid.
<b>Flash point</b>	Does not apply to solid.
<b>Auto-ignition temperature</b>	250 °C (EU method A.16)
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Does not apply to solid.
<b>Solubility</b>	280 g/l (20 °C, pH = 6.8, literature).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = 0.3 (23 °C, pH = 6.1, OECD 123).
<b>Vapour pressure</b>	Not determined, the substance has melting point higher than 300 °C.
<b>Density and/or relative density</b>	1.08 g/cm <sup>3</sup> (22 °C, OECD 109).
<b>Relative vapour density</b>	Does not apply to solid.
<b>Particle characteristics</b>	Not determined.
<b>Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)</b> ES: 931-329-6	
<b>Physical state</b>	Liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Slight.
<b>Melting point/freezing point</b>	> -10 - < -7 °C (ASTM D87-87).
<b>Boiling point or initial boiling point and boiling range</b>	Not determined, substance decomposes.
<b>Flammability</b>	Not determined.
<b>Lower explosion limit</b>	Not determined.
<b>Upper explosion limit</b>	Not determined.
<b>Flash point</b>	ca. 188 °C (EU method A.9).
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition temperature</b>	Not determined.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
<b>Solubility</b>	15 - 30 mg/l (calculation).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = ca. 1.35 - ≤ 4.84 (20 °C, pH = ca. 5.5, OECD 117).
<b>Vapour pressure</b>	0 Pa (20 - 25 °C, OECD 104).

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<b>Density and/or relative density</b>	D <sub>4</sub> <sup>20</sup> = ca. 0.985 (OECD 109).
<b>Relative vapour density</b>	Not determined.
<b>Particle characteristics</b>	Does not apply to liquid.
<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts</b>	
ES: 931-333-8	
<b>Physical state</b>	Solid.
<b>Colour</b>	Not determined.
<b>Odour</b>	Not determined.
<b>Melting point/freezing point</b>	≥ 60 - ≤ 260 °C (decomposition, OECD 102).
<b>Boiling point or initial boiling point and boiling range</b>	Not determined, substance decomposes.
<b>Flammability</b>	Non-flammable solid (EU method A.10).
<b>Lower explosion limit</b>	Does not apply to solid.
<b>Upper explosion limit</b>	Does not apply to solid.
<b>Flash point</b>	Does not apply to solid.
<b>Auto-ignition temperature</b>	Does not apply to solid.
<b>Decomposition temperature</b>	Not determined.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Does not apply to solid.
<b>Solubility</b>	≤ 250 mg/l (20 °C).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = 4.44 (20 °C, pH = 3 - 8, weighted mean value, (Q)SAR method)
<b>Vapour pressure</b>	Not determined.
<b>Density and/or relative density</b>	1.2 g/cm <sup>3</sup> (20 °C, ISO 1183-1).
<b>Relative vapour density</b>	Does not apply to solid.
<b>Particle characteristics</b>	Not determined.
<b>Reaction mass of 3,7-dimethyloct-7-en-1-yl 3-methylbut-2-enoate and 3,7-dimethyloctyl 3-methyl-2-butenate and citronellyl 3-methylcrotonate</b>	
ES: 946-248-1	
<b>Physical state</b>	Liquid.
<b>Colour</b>	Colourless to yellow.
<b>Odour</b>	Not determined.
<b>Melting point/freezing point</b>	< -50 °C (OECD 102).
<b>Boiling point or initial boiling point and boiling range</b>	305 °C (OECD 103).
<b>Flammability</b>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
<b>Lower explosion limit</b>	Not determined.
<b>Upper explosion limit</b>	Not determined.

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<b>Flash point</b>	192.5 °C (EU method A.9).
<b>Auto-ignition temperature</b>	320 °C (EU method A.15).
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
<b>Solubility</b>	0.421 mg/l (20 °C, pH = 7.38 - 7.81).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = 6 - 6.6 (35 °C, pH = 7, OECD 117).
<b>Vapour pressure</b>	0.422 Pa (20 °C, OECD 104). 0.567 Pa (25 °C, OECD 104).
<b>Density and/or relative density</b>	0.894 g/cm <sup>3</sup> (20 °C, EU method A.3).
<b>Relative vapour density</b>	Not determined.
<b>Particle characteristics</b>	Does not apply to liquid.
<b>Acrylamide</b> CAS: 79-06-1	
<b>Physical state</b>	Solid.
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>Melting point/freezing point</b>	84.5 °C (literature).
<b>Boiling point or initial boiling point and boiling range</b>	1 388 °C (OECD 103). Not determined.
<b>Flammability</b>	Non-flammable solid. The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
<b>Lower explosion limit</b>	Does not apply to solid.
<b>Upper explosion limit</b>	Does not apply to solid.
<b>Flash point</b>	Does not apply to solid.
<b>Auto-ignition temperature</b>	Does not apply to solid.
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Does not apply to solid.
<b>Solubility</b>	2 155 g/l (30 °C, pH = ca. 7, literature).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = -0.9 (20 °C, pH = ca. 7, OECD 117).

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<b>Vapour pressure</b>	0.9 Pa (25 °C, OECD 104). 4.4 Pa (40 °C, OECD 104). 11 Pa (50 °C, OECD 104). 230 Pa (85 °C, OECD 104).
<b>Density and/or relative density</b>	$D_4^{30} = 1.12$ (EPA OPPTS 830.7300).
<b>Relative vapour density</b>	Does not apply to solid.
<b>Particle characteristics</b>	Not determined.

### 9.2. Other information

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

##### Mixture

The mixture does not contain substances classified as hazardous to the physical classes, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

CAS: 68891-38-3

##### Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

##### Flammable gases

It is not gas.

##### Aerosols

It is not aerosol.

##### Oxidising gases

It is not gas.

##### Gases under pressure

It is not gas.

##### Flammable liquids

It is not liquid.

##### Flammable solids

The substance is not classified as flammable solid, burning time > 2 400 s (EU method A.10).

##### Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

##### Pyrophoric liquids

It is not liquid.

##### Pyrophoric solids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

##### Self-heating substances and mixtures

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Data for the substance are not available.

The substance is not classified as self-heating.

### ***Substances and mixtures, which emit flammable gases in contact with water***

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

### ***Oxidising liquids***

It is not liquid.

### ***Oxidizing solids***

Data for the substance are not available.

It is an organic substance does not contain chemical groups associated with oxidising properties.

### ***Organic peroxides***

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### ***Corrosive to metals***

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)**

ES: 931-329-6

### ***Explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### ***Flammable gases***

It is not gas.

### ***Aerosols***

It is not aerosol.

### ***Oxidising gases***

It is not gas.

### ***Gases under pressure***

It is not gas.

### ***Flammable liquids***

The substance is not classified as flammable liquid according to the value of the flash point.

### ***Flammable solids***

It is not solid.

### ***Self-reactive substances and mixtures***



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Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### ***Pyrophoric liquids***

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### ***Pyrophoric solids***

It is not solid.

### ***Self-heating substances and mixtures***

Data for the substance are not available.

The substance is not classified as self-heating.

### ***Substances and mixtures, which emit flammable gases in contact with water***

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

### ***Oxidising liquids***

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

### ***Oxidizing solids***

It is not solid.

### ***Organic peroxides***

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### ***Corrosive to metals***

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts**

ES: 931-333-8

### ***Explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### ***Flammable gases***

It is not gas.

### ***Aerosols***

It is not aerosol.

### ***Oxidising gases***

It is not gas.

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<b><i>Gases under pressure</i></b>	
It is not gas.	
<b><i>Flammable liquids</i></b>	
It is not liquid.	
<b><i>Flammable solids</i></b>	
The substance is not classified as flammable solid, burning time = 510 s (EU method A.10).	
<b><i>Self-reactive substances and mixtures</i></b>	
Data for the substance are not available.	
The substance does not contain chemical groups associated with explosive or self-reactive properties.	
<b><i>Pyrophoric liquids</i></b>	
It is not liquid.	
<b><i>Pyrophoric solids</i></b>	
Data for the substance are not available.	
The substance is stable in air, there is no spontaneous ignition.	
<b><i>Self-heating substances and mixtures</i></b>	
Data for the substance are not available.	
The substance is not classified as self-heating.	
<b><i>Substances and mixtures, which emit flammable gases in contact with water</i></b>	
Data for the substance are not available.	
The chemical structure of the substance does not contain metals or metalloids.	
<b><i>Oxidising liquids</i></b>	
It is not liquid.	
<b><i>Oxidizing solids</i></b>	
Data for the substance are not available.	
It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.	
<b><i>Organic peroxides</i></b>	
Data for the substance are not available.	
The substance does not contain a bivalent group -O-O- with at least one organic radical.	
<b><i>Corrosive to metals</i></b>	
Data for the substance are not available.	
The substance is not classified as corrosive to metal.	
<b><i>Desensitised explosives</i></b>	
Data for the substance are not available.	
The substance does not contain chemical groups associated with explosive properties.	
<b>Reaction mass of 3,7-dimethyloct-7-en-1-yl 3-methylbut-2-enoate and 3,7-dimethyloctyl 3-methyl-2-butenate and citronellyl 3-methylcrotonate</b>	
ES: 946-248-1	
<b><i>Explosives</i></b>	

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## HUMDAKIN – ANTI SMELL HAND SOAP

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **Flammable gases**

It is not gas.

### **Aerosols**

It is not aerosol.

### **Oxidising gases**

It is not gas.

### **Gases under pressure**

It is not gas.

### **Flammable liquids**

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

### **Flammable solids**

It is not solid.

### **Self-reactive substances and mixtures**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### **Pyrophoric liquids**

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### **Pyrophoric solids**

It is not solid.

### **Self-heating substances and mixtures**

Data for the substance are not available.

The substance is not classified as self-heating.

### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

### **Oxidising liquids**

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

### **Oxidizing solids**

It is not solid.

### **Organic peroxides**

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### **Corrosive to metals**

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Data for the substance are not available.

The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **Acrylamide**

CAS: 79-06-1

### ***Explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### ***Flammable gases***

It is not gas.

### ***Aerosols***

It is not aerosol.

### ***Oxidising gases***

It is not gas.

### ***Gases under pressure***

It is not gas.

### ***Flammable liquids***

It is not liquid.

### ***Flammable solids***

The substance is not classified as flammable solid.

### ***Self-reactive substances and mixtures***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### ***Pyrophoric liquids***

It is not liquid.

### ***Pyrophoric solids***

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### ***Self-heating substances and mixtures***

Data for the substance are not available.

The substance is not classified as self-heating.

### ***Substances and mixtures, which emit flammable gases in contact with water***

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is soluble in water and forms a stable mixture with it.

### ***Oxidising liquids***

It is not liquid.

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### ***Oxidizing solids***

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

### ***Organic peroxides***

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### ***Corrosive to metals***

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **9.2.2. Other safety characteristics**

<b><i>Mechanical sensitivity</i></b>	Not determined, it is not an explosive substance.
<b><i>Self-accelerating polymerisation temperature</i></b>	Not determined, it is not a polymerising substance.
<b><i>Formation of explosible dust/air mixtures</i></b>	Not determined, it is not a dust.
<b><i>Acid/alkaline reserve</i></b>	Not determined, pH is in the range 4 - 10.
<b><i>Evaporation rate</i></b>	Not determined.
<b><i>Miscibility</i></b>	Not determined.
<b><i>Conductivity</i></b>	Not determined.
<b><i>Corrosiveness</i></b>	Not determined.
<b><i>Gas group</i></b>	Not determined, it is not gas.
<b><i>Redox potential</i></b>	Not determined.
<b><i>Radical formation potential</i></b>	Not determined.
<b><i>Photocatalytic properties</i></b>	Not determined.

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

### **10.1. Reactivity**

The mixture is stable under normal conditions of use. There aren't any hazardous reaction.

### **10.2. Chemical stability**

Stable under recommended storage conditions.

### **10.3. Possibility of hazardous reactions**

Hazardous reactions aren't known under normal conditions of use.

### **10.4. Conditions to avoid**

Protect from temperatures below 0 °C.

### **10.5. Incompatible materials**

Strong oxidizing agents.

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### 10.6. Hazardous decomposition products

Burning releases carbon oxides, sulphur oxides, nitrogen oxides and products of incomplete combustion.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Mixture

##### Acute toxicity

###### Oral

Data for the mixture are not available.

ATE<sub>mixture</sub> > 2 000 mg/kg (estimate, low concentration of substances classified as toxic oral route of exposure).

###### Dermal

Data for the mixture are not available.

ATE<sub>mixture</sub> > 2 000 mg/kg (estimate, low concentration of substance classified as toxic dermal route of exposure).

###### Inhalation

Data for the mixture are not available.

ATE<sub>mixture</sub> > 20 mg/l (estimate, low concentration of substance classified as toxic inhalation route of exposure).

##### Skin corrosion/irritation

Data for the mixture are not available.

The mixture is not classified as skin irritant based on the general/specific concentration limits of substance(s).

##### Serious eye damage/irritation

Data for the mixture are not available.

The mixture is classified as causes serious eye damage based on the general/specific concentration limits of substance(s).

##### Respiratory or skin sensitisation

Data for the mixture are not available.

The mixture is not classified as a skin sensitizing according to the general/specific concentration limits of substance(s).

##### Germ cell mutagenicity

Data for the mixture are not available.

The mixture is not classified as mutagenicity according to the general/specific concentration limits of substance(s).

##### Carcinogenicity

Data for the mixture are not available.

The mixture is not classified as carcinogenicity according to the general/specific concentration limits of substance(s).

##### Reproductive toxicity

Data for the mixture are not available.

The mixture is not classified as toxic for reproduction according to the general/specific concentration limits of substance(s).

##### STOT – single exposure



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Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a single exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **STOT – repeated exposure**

Data for the mixture are not available.

The mixture is not classified as toxic for specific target organs in a repeated exposure according to the general/specific concentration limits of substance(s).

### **Aspiration hazard**

Data for the mixture are not available.

The mixture does not contain substances classified as aspiration hazard or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Other information**

See section 2 and 4.

**Alcohols, C12-14, ethoxylated, sulfates, sodium salts**

CAS: 68891-38-3

### **Acute toxicity**

**Oral** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> = 4 100 mg/kg (rat, OECD 401).

**Dermal** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 2 000 mg/kg (rabbit, OECD 402).

**Inhalation** Data for the substance are not available.

### **Skin corrosion/irritation**

The substance is classified as skin irritant.

Mean erythema score = 3.2 and oedema = 3.2 (fully reversible) (rabbit, 72 hrs., OECD 404).

### **Serious eye damage/irritation**

The substance is classified as seriously damaging to the eyes.

Mean score of corneal opacity = 1.3 (not fully reversible after 21 days), iritis = 0.8 (not fully reversible after 21 days), conjunctival redness = 3 (fully reversible), conjunctival edema = 1 (fully reversible) (rabbit, 72 h, OECD 405)

### **Respiratory or skin sensitisation**

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

Not skin sensitising (guinea pig, OECD 406).

### **Germ cell mutagenicity**

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

Negative (OECD 471, OECD 476).

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

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

NOAEL = 300 mg/kg/day (systemic effects, rat, oral, generation P0, OECD 416).

NOAEL = 300 mg/kg/day (reproduction, rat, oral, generation P0, OECD 416).

NOAEL = 300 mg/kg/day (rat, oral, generation F1, OECD 416).

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<b>STOT – single exposure</b>	
Data for the substance are not available.	
<b>STOT – repeated exposure</b>	
Based on available data, the classification criteria are not met. NOAEL > 225 mg/kg/day (systemic toxicity, rat, oral, 90 days, OECD 408).	
<b>Aspiration hazard</b>	
The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm <sup>2</sup> /s or less at 40 °C.	
<b>Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)</b>	
ES: 931-329-6	
<b>Acute toxicity</b>	
<b>Oral</b>	Based on available data, the classification criteria are not met. LD <sub>50</sub> > 2 000 mg/kg (rat, OECD 401). ATE = 500 mg/kg (for calculation by additive formula).
<b>Dermal</b>	Based on available data, the classification criteria are not met. LD <sub>50</sub> > 2 000 mg/kg (rabbit).
<b>Inhalation</b>	Data for the substance are not available.
<b>Skin corrosion/irritation</b>	
The substance is classified as skin irritant (read-across (CAS 90622-74-5), rabbit, 72 h, OECD 404).	
<b>Serious eye damage/irritation</b>	
The substance is classified as seriously damaging to the eyes read-across (CAS 90622-74-5), rabbit, 72 h, OECD 405).	
<b>Respiratory or skin sensitisation</b>	
Based on available data, the classification criteria are not met. Not skin sensitising (guinea pig, OECD 406).	
<b>Germ cell mutagenicity</b>	
Based on available data, the classification criteria are not met. Negative (OECD 471).	
<b>Carcinogenicity</b>	
Based on available data, the classification criteria are not met. NOAEL > 100 mg/kg/day (rat, dermal).	
<b>Reproductive toxicity</b>	
Data for the substance are not available.	
<b>STOT – single exposure</b>	
Data for the substance are not available.	
<b>STOT – repeated exposure</b>	
Based on available data, the classification criteria are not met. NOAEL > 700 mg/kg/day (read-across (CAS 90622-74-5), rat, oral, 28 days, OECD 407).	
<b>Aspiration hazard</b>	

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The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts**

ES: 931-333-8

### **Acute toxicity**

**Oral** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> = 2 335 mg/kg (rat, OECD 401).  
ATE = 500 mg/kg (for calculation by additive formula).

**Dermal** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 620 mg/kg (rabbit, no death is observed, OECD 402).

**Inhalation** Data for the substance are not available.

### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.  
Mean erythema score = 0.33, 1.67, 0.33 (fully reversible after 72 hours) and edema = 0.33, 0.33, 0 (fully reversible after 48 hours) (rabbit, 72 hrs. OECD 404).

### **Serious eye damage/irritation**

The substance is classified as seriously damaging to the eyes.  
Mean score of corneal opacity score = 0 (delayed occurrence of corneal opacity score 1 or 2 in 2/3 animals, not fully reversible after 21 days), iritis score = 1 (fully reversible after 10 days), conjunctivae score = 2.67, 2, 2.67 (not fully reversible after 10 days), chemosis score = 3, 2.67, 3, 2.67 (not fully reversible after 21 days) (rabbit, 72 h, OECD 405).

### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.  
Not skin sensitising (guinea pig, OECD 406).

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.  
Negative (EU Method B.13/14, EU Method B.17).

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Based on available data, the classification criteria are not met.  
NOEL = 300 mg/kg/day (systemic effects, rat, oral, 90 days, OECD 408).  
LOEL = 150 mg/kg/day (local effects, rat, oral, 90 days, OECD 408).  
NOEL = 75 mg/kg/day (local effects, rat, oral, 90 days, OECD 408).

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

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Reaction mass of 3,7-dimethyloct-7-en-1-yl 3-methylbut-2-enoate and 3,7-dimethyloctyl 3-methyl-2-butenate and citronellyl 3-methylcrotonate		ES: 946-248-1
<b>Acute toxicity</b>		
<b>Oral</b>	Based on available data, the classification criteria are not met. LD <sub>50</sub> > 10 ml/kg (rat, no death is observed, OECD 401).	
<b>Dermal</b>	Based on available data, the classification criteria are not met. LD <sub>50</sub> > 5 000 mg/kg (rabbit, OECD 402).	
<b>Inhalation</b>	Data for the substance are not available.	
<b>Skin corrosion/irritation</b>		
Data for the substance are not available.		
<b>Serious eye damage/irritation</b>		
The substance is not classified as eye irritant (bovine eyes, OECD 437).		
<b>Respiratory or skin sensitisation</b>		
Based on available data, the classification criteria are not met. Not skin sensitising (guinea pig, OECD 406).		
<b>Germ cell mutagenicity</b>		
Based on available data, the classification criteria are not met. Negative (OECD 471, OECD 487, OECD 490).		
<b>Carcinogenicity</b>		
Data for the substance are not available.		
<b>Reproductive toxicity</b>		
Data for the substance are not available.		
<b>STOT – single exposure</b>		
Data for the substance are not available.		
<b>STOT – repeated exposure</b>		
Data for the substance are not available.		
<b>Aspiration hazard</b>		
The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm <sup>2</sup> /s or less at 40 °C.		
Acrylamide		CAS: 79-06-1
<b>Acute toxicity</b>		
<b>Oral</b>	The substance is classified in category 3 according to harmonized classification. LD <sub>50</sub> = 354 mg/kg (rat, female, EU Method B.1). ATE = 100 mg/kg (for calculation by additive formula).	
<b>Dermal</b>	Based on available data, the classification criteria are not met. LD <sub>50</sub> = 1 141 mg/kg (rabbit, OECD 402).	
<b>Inhalation</b>	The substance is classified in category 4 according to harmonized classification. LC <sub>0</sub> = 12.1 mg/l (aerosol, rat, 4 hrs., no death is observed, OECD 433). ATE = 1.5 mg/l (for calculation by additive formula, aerosol).	

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## HUMDAKIN – ANTI SMELL HAND SOAP

### **Skin corrosion/irritation**

The substance is classified as skin irritant according to harmonized classification.  
Mean erythema score = 0 and oedema = 0 (rabbit, 72 hrs., OECD 404).

### **Serious eye damage/irritation**

The substance is classified as eye irritant.  
Mean score of corneal opacity = 2 (fully reversible after 14 days), iritis = 1 (fully reversible after 21 days), conjunctival redness = 2 (fully reversible after 14 days), conjunctival oedema = 1.66 (fully reversible after 14 days) (rabbit, 72 h, OECD 405).

### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.  
The substance is classified as skin sensitising in category 1 (guinea pig, OECD 406).

### **Germ cell mutagenicity**

The substance is classified in category 1B.

#### In vitro:

Negative (OECD 471, OECD 476).

Positive (OECD 473).

#### In vivo:

Positive (OECD 478).

### **Carcinogenicity**

The substance is classified in category 1B.  
NOAEL = 0.5 mg/kg/day (rat, oral, EPA OPP 83-2).

### **Reproductive toxicity**

The substance is classified in category 2.  
NOAEL = 2 mg/kg/day (rat, oral, generation P0, OECD 416).  
NOAEL = 2 mg/kg/day (rat, oral, generation F1, OECD 416).  
NOAEL = 2 mg/kg/day (rat, oral, generation F2, OECD 416).

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

The substance is classified in category 1.  
NOAEL = 0.5 mg/kg/day (rat, oral, 90 days, OECD 453).

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

## **11.2. Information on other hazards**

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Mixture do not contain substance(s) meets meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

Mixture do not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Mixture

Data for the mixture are not available.

##### **Acute aquatic toxicity**

The mixture is not classified as acute aquatic toxicity based on calculation according to the summation method.

##### **Chronic aquatic toxicity**

The mixture is classified as Aquatic Chronic 3; H412 based on calculation according to the summation method.

##### **Alcohols, C12-14, ethoxylated, sulfates, sodium salts**

CAS: 68891-38-3

The substance is classified as Aquatic Chronic 3; H412.

##### **Fish**

LC<sub>50</sub>, 96 hrs., Danio rerio: 7.1 mg/l (mortality, OECD 203).

NOEC, 28 d., Oncorhynchus mykiss: 0.14 mg/l (mortality and sublethal effects, OECD 204).

##### **Crustaceans**

EC<sub>50</sub>, 48 hrs., Daphnia Magna: 7.4 mg/l (mobility, OECD 202).

NOEC, 21 d., Daphnia Magna: 0.27 mg/l (survival and reproduction, OECD 211).

##### **Algae**

EC<sub>50</sub>, 72 hrs., Desmodesmus subspicatus: 27.7 mg/l (growth rate, OECD 201).

EC<sub>10</sub>, 72 hrs., Desmodesmus subspicatus: 4.4 mg/l (growth rate, OECD 201).

NOEC, 72 hrs., Desmodesmus subspicatus: 0.95 mg/l (growth rate, OECD 201).

##### **Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)**

ES: 931-329-6

The substance is classified as Aquatic Chronic 2; H411.

##### **Fish**

LC<sub>50</sub>, 96 hrs., Oncorhynchus mykiss: 2.4 mg/l (mortality, OECD 203).

NOEC, 28 d., Oncorhynchus mykiss: 0.35 mg/l (mortality, OECD 215).

##### **Crustaceans**

EC<sub>50</sub>, 48 hrs., Daphnia Magna: ca. 3.2 mg/l (mobility, OECD 202).

NOEC, 21 d., Daphnia Magna: 0.07 mg/l (reproduction, OECD 211).

##### **Algae**



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<p>EC<sub>50</sub>, 72 hrs., Desmodesmus subspicatus: ca. 3.9 mg/l (growth rate, OECD 201).          EC<sub>50</sub>, 72 hrs., Desmodesmus subspicatus: ca. 2.1 mg/l (biomass, OECD 201).          NOEC, 72 hrs., Desmodesmus subspicatus: ca. 0.3 mg/l (biomass, OECD 201).</p>	
<p><b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts</b></p>	<p>ES: 931-333-8</p>
<p>The substance is classified as Aquatic Chronic 3; H412.</p>	
<p><b>Fish</b></p>	
<p>LC<sub>50</sub>, 96 hrs., Pimephales promelas: 1.11 mg/l (mortality, OECD 203).          NOEC, 28 d., Oncorhynchus mykiss: ca. 0.16 mg/l (mortality, OECD 210).</p>	
<p><b>Crustaceans</b></p>	
<p>EC<sub>50</sub>, 48 hrs., Daphnia Magna: ca. 1.9 mg/l (mobility, OECD 202).          NOEC, 21 d., Daphnia Magna: 0.32 mg/l (reproduction).          NOEC, 21 d., Daphnia Magna: 0.56 mg/l (mortality).</p>	
<p><b>Algae</b></p>	
<p>EC<sub>50</sub>, 96 hrs., Pseudokirchneriella subcapitata: &gt; 10 mg/l (growth rate, OECD 201).          EC<sub>50</sub>, 96 hrs., Pseudokirchneriella subcapitata: ca. 8 mg/l (biomass, OECD 201).          NOEC, 96 hrs, Pseudokirchneriella subcapitata: 3.2 mg/l (growth rate and biomass, OECD 201).</p>	
<p><b>Reaction mass of 3,7-dimethyloct-7-en-1-yl 3-methylbut-2-enoate and 3,7-dimethyloctyl 3-methyl-2-butenate and citronellyl 3-methylcrotonate</b></p>	<p>ES: 946-248-1</p>
<p>The substance is classified as Aquatic Acute 1; H400 (M = 10) and Aquatic Chronic 2; H411.</p>	
<p><b>Fish</b></p>	
<p>LC<sub>50</sub>, 96 hrs., Oncorhynchus mykiss: 4.76 mg/l (cytotoxicity).          NOEC, 7 d., Pimephales promelas: ≥ 0.79 mg/l (mortality, ASTM Method E729).</p>	
<p><b>Crustaceans</b></p>	
<p>EC<sub>50</sub>, 48 hrs., Daphnia Magna: 0.076 mg/l (mobility, OECD 202).          NOEC, 21 d., Ceriodaphnia dubia: 0.1 mg/l (reproduction, ASTM Method E729).</p>	
<p><b>Algae</b></p>	
<p>EC<sub>50</sub>, 72 hrs., Pseudokirchneriella subcapitata: &gt; 0.11 mg/l (growth rate, OECD 201).          EC<sub>10</sub>, 72 hrs., Pseudokirchneriella subcapitata: 0.028 mg/l (growth rate, OECD 201).          NOEC, 72 hrs., Pseudokirchneriella subcapitata: 0.023 mg/l (growth rate, OECD 201).</p>	
<p><b>Acrylamide</b></p>	<p>CAS: 79-06-1</p>
<p>The substance is not classified as hazardous for the aquatic environment.</p>	
<p><b>Fish</b></p>	
<p>LC<sub>50</sub>, 96 hrs., Oncorhynchus mykiss: 180 ppm (mortality, OECD 203).          NOEC, 28 d., Cyprinus carpio: 5 000 µg/l (mortality).</p>	
<p><b>Crustaceans</b></p>	
<p>EC<sub>50</sub>, 48 hrs., Daphnia Magna: 98 mg/l (mortality).          NOEC, 28 d., Americamysis bahia: 4.4 mg/l (reproduction).</p>	
<p><b>Algae</b></p>	

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IC<sub>50</sub>, 72 hrs., Pseudokirchneriella subcapitata: > 100 mg/l (growth rate, OECD 201).  
 IC<sub>50</sub>, 72 hrs., Pseudokirchneriella subcapitata: 67.7 mg/l (biomass, OECD 201).  
 NOEC, 72 hrs., Pseudokirchneriella subcapitata: 56 mg/l (growth rate, OECD 201).  
 NOEC, 72 hrs., Pseudokirchneriella subcapitata: 32 mg/l (biomass, OECD 201).

### 12.2. Persistence and degradability

#### Mixture

Data for the mixture are not available.

**Alcohols, C12-14, ethoxylated, sulfates, sodium salts** CAS: 68891-38-3

Readily biodegradable: 100 % after 28 days (dissolved organic carbon removal, EU method C.4-C).

**Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)** ES: 931-329-6

Readily biodegradable: ca. 92.5 % after 28 days (OECD 301 B).

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts** ES: 931-333-8

Readily biodegradable: 87.2 % after 28 days (CO<sub>2</sub> evolution, EPA OPPTS 835.3120).

**Reaction mass of 3,7-dimethyloct-7-en-1-yl 3-methylbut-2-enoate and 3,7-dimethyloctyl 3-methyl-2-butenate and citronellyl 3-methylcrotonate** ES: 946-248-1

Readily biodegradable: 80 % after 28 days (O<sub>2</sub> consumption, OECD 301 F).

**Acrylamide** CAS: 79-06-1

Readily biodegradable: 100 % after 28 days (O<sub>2</sub> consumption, OECD 301 D). Data for the substance are not available.

### 12.3. Bioaccumulative potential

#### Mixture

Data for the mixture are not available.

**Alcohols, C12-14, ethoxylated, sulfates, sodium salts** CAS: 68891-38-3

log Pow = 0.3 (23 °C, pH = 6.1, OECD 123).

**Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)** ES: 931-329-6

BCF = ca. 65.36 l/kg (calculation).

log Pow = ca. 1.35 - ≤ 4.84 (20 °C, pH = ca. 5.5, OECD 117).

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts** ES: 931-333-8

BCF = 3 l/kg (C8 derivatives, (Q)SAR method).

BCF = 71 l/kg (C10 - C18 and C18 unsaturated derivatives, (Q)SAR method).

log Pow = 4.44 (20 °C, pH = 3 - 8, weighted mean value, (Q)SAR method).

**Reaction mass of 3,7-dimethyloct-7-en-1-yl 3-methylbut-2-enoate and 3,7-dimethyloctyl 3-methyl-2-butenate and citronellyl 3-methylcrotonate** ES: 946-248-1

log Pow = 6 - 6.6 (35 °C, pH = 7, OECD 117).

**Acrylamide** CAS: 79-06-1

Data for the substance are not available.

### 12.4. Mobility in soil

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<b>Mixture</b>	
Data for the mixture are not available.	
<b>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</b>	CAS: 68891-38-3
Koc = 2.2 (Q)SAR method.	
<b>Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)</b>	ES: 931-329-6
Koc = 243 l/kg (calculation).	
<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts</b>	ES: 931-333-8
log Koc = 2.5 (C12 derivate, 20 °C, OECD 121).	
<b>Reaction mass of 3,7-dimethyloct-7-en-1-yl 3-methylbut-2-enoate and 3,7-dimethyloctyl 3-methyl-2-butenate and citronellyl 3-methylcrotonate</b>	ES: 946-248-1
log Koc = 4.1 - 4.6 (25 °C, OECD 121).	
<b>Acrylamide</b>	CAS: 79-06-1
Data for the substance are not available.	
<b>12.5. Results of PBT and vPvB assessment</b>	
Mixture do not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH Regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation.	
<b>12.6. Endocrine disrupting properties</b>	
The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation. Mixture do not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.	
<b>12.7. Other adverse effects</b>	
Data are not available.	
<b>SECTION 13: Disposal considerations</b>	
<b>13.1. Waste treatment methods</b>	
<b>Disposal methods of the substance or mixture and the contaminated packaging</b>	
Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). <b>Do not empty unused product into drainage systems.</b> Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.	
<b>Possible waste code</b>	
16 03 05* - organic wastes containing dangerous substances (mixture), 15 01 10* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging).	
<b>Physical/chemical properties that may affect waste treatment options</b>	
Not known.	

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### ***Special precautions recommended for waste management***

Not known.

### ***Waste legislation***

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

## **SECTION 14: Transport information**

This product is not classified as a dangerous for transportation (ADR/RID, IMDG, ICAO/IATA).

### ***14.1. UN number or ID number***

Not given.

### ***14.2. UN proper shipping name***

Not given.

### ***14.3. Transport hazard class(es)***

Not given.

### ***14.4. Packing group***

Not given.

### ***14.5. Environmental hazards***

It is not dangerous for the environment during transport.

### ***14.6. Special precautions for user***

Not given.

### ***14.7. Maritime transport in bulk according to IMO instruments***

Not available.

## **SECTION 15: Regulatory information**

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

Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

### ***15.2. Chemical safety assessment***

Has not been carried out for mixture.

## **SECTION 16: Other information**

### ***Reason for the revision of the safety data sheet***

First edition.

### ***Key or legend to abbreviations and acronyms***

Acute Tox. 3                      Acute toxicity, cat. 3

Acute Tox. 4                      Acute toxicity, cat. 4

Aquatic Acute 1                      Acute aquatic hazard, cat. 1

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Aquatic Chronic 2	Chronic aquatic hazard, cat. 2
Aquatic Chronic 3	Chronic aquatic hazard, cat. 3
Carc. 1B	Carcinogenicity, cat. 1B
Eye Dam. 1	Serious eye damage, cat. 1
Eye Irrit. 2	Eye irritation, cat. 2
Muta. 1B	Germ cell mutagenicity, cat. 1B
Repr. 2	Reproductive toxicity, cat. 2
Skin Irrit. 2	Skin irritation, cat. 2
Skin Sens. 1	Skin sensitization, cat. 1
STOT RE 1	Specific target organ toxicity - repeated exposure, cat. 1
M	Multiplying factor
ADR	Accord Dangereuses Route
CLP	Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures
DNEL	Derived No Effect Level
ICAO/IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent, bioaccumulative, toxic substance
PNEC	Predicted No Effect Concentration
REACH	Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific target organ toxicity
vPvB	Very persistent and very bioaccumulative substance

### **Sources of key data used to compile the Safety Data Sheet**

European legislation, manufacturer's safety data sheet, registration dossier of substances.

### **List of H- and P- phrases**

H301	Toxic if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H340	May cause genetic defects.
H350	May cause cancer.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure.

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H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P273	Avoid release to the environment.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### **Training advice**

According to SDS.

### **Other information**

Classification according to data from the manufacturer. The mixture is classified using calculation methods according to Regulation CLP and tests. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is created in accordance with Regulation No. 2020/878/EC. There is no additional information in accordance with the local and national legislation of the Member State in the European Union, in the safety data sheet.

The safety data sheet was created by company LACHEPRA s.r.o.