

# SAFETY DATA SHEET

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

## HUMDAKIN – HAND & BODY SCRUB

Date of issue:

06. 06. 2022

Version: 1.0

This product is a cosmetic product which, in its finished state, is intended for the end user and is therefore not subject to the obligations under Regulation 1272/2008/EC - CLP (Article 1) and Title IV of Regulation 1907/2006/EC - REACH (Article 2).

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 – HAND & BODY SCRUB**

**UFI code**

Not relevant.

**Product code**

CH-406-19A.

**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

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

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

Causes serious eye damage.

### 2.2. Label elements

#### **Hazard pictograms**



#### **Signal word**

Danger.

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

Contains Betaines, C12-14 (even numbered)-alkyldimethyl, D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides, D-Glucopyranose, oligomers, decyl octyl glycosides.

#### **Hazard statements**

H318 Causes serious eye damage.

#### **Precautionary statements**

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 does 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 does 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

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

Identification of substance	Content wt. %	Classification according to 1272/2008/EC
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<b>Betaines, C12-14 (even numbered)-alkyldimethyl</b>			
CAS Number	66455-29-6		Skin Irrit. 2; H315
EC Number	931-700-2	< 3.0	Eye Dam. 1; H318
Index Number	not given		Aquatic Chronic 3; H412
Registration Number	01-2119529251-48-XXXX		
The substance has specific concentration limits:			
Skin Irrit. 2; H315		C ≥ 16 %	
Eye Dam. 1; H318		C > 16 %	
Eye Irrit. 2; H319		1 % ≤ C ≤ 16 %	
<b>D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides</b>			
CAS Number	110615-47-9		Skin Irrit. 2; H315
EC Number	600-975-8	< 2.5	Eye Dam. 1; H318
Index Number	not given		
Registration Number	01-2119489418-23-XXXX		
The substance has specific concentration limits:			
Eye Dam. 1; H318		C > 12 %	
Skin Irrit. 2; H315		C > 30 %	
<b>D-Glucopyranose, oligomers, decyl octyl glycosides</b>			
CAS Number	68515-73-1		
EC Number	500-220-1	< 2.5	Eye Dam. 1; H318
Index Number	not given		
Registration Number	01-2119488530-36-XXXX		

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. If pain or redness persists, 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

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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.

### **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 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**

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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure limit value

Not determined in EU.

#### 8.1.2. Biological limit values

Not determined in EU.

#### 8.1.3. DNEL and PNEC values

**Betaines, C12-14 (even numbered)-alkyldimethyl**

CAS: 66455-29-6

#### DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	0.822 mg/m <sup>3</sup>
Workers	Inhalation	Local effect	Long term	3.53 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	0.233 mg/kg/day
Workers	Dermal	Local effect	Long term	0.06 mg/cm <sup>2</sup>
General population	Inhalation	Systemic effect	Long term	0.145 mg/m <sup>3</sup>
General population	Inhalation	Local effect	Long term	0.87 mg/m <sup>3</sup>
General population	Dermal	Systemic effect	Long term	83.3 µg/kg/day
General population	Dermal	Local effect	Long term	0.03 mg/cm <sup>2</sup>
General population	Oral	Systemic effect	Long term	83.3 µg/kg/day

#### PNEC

Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.008 mg/l	0.001 mg/l	0.017 mg/l	not given	2.7 mg/l

#### PNEC

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Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.028 mg/kg	0.003 mg/kg	no effect	10 mg/kg	no effect
<b>D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides</b>				CAS: 110615-47-9
<b>DNEL</b>				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	420 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	595 000 mg/kg/den
General population	Inhalation	Systemic effect	Long term	124 mg/m <sup>3</sup>
General population	Dermal	Systemic effect	Long term	357 000 mg/kg/den
General population	Oral	Systemic effect	Long term	35.7 mg/kg/den
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.176 mg/l	0.018 mg/l	0.029 mg/l	not given	5 000 mg/l
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
1.516 mg/l	0.065 mg/kg	not given	0.654 mg/kg	111.11 mg/kg food
<b>D-Glucopyranose, oligomers, decyl octyl glycosides</b>				CAS: 68515-73-1
<b>DNEL</b>				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	420 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	595 000 mg/kg/den
General population	Inhalation	Systemic effect	Long term	124 mg/m <sup>3</sup>
General population	Dermal	Systemic effect	Long term	357 000 mg/kg/den
General population	Oral	Systemic effect	Long term	35.7 mg/kg/den
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.176 mg/l	0.018 mg/l	0.27 mg/l	not given	560 mg/l
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
1.516 mg/l	0.152 mg/kg	not given	0.654 mg/kg	111.11 mg/kg food
<b>8.2. Exposure controls</b>				
<b>8.2.1. Appropriate engineering controls</b>				



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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.

### 8.2.2. Individual protection measures, such as personal protective equipment

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.

#### Eye/face protection

Wear safety goggles or face shield when manufacturing and handling the product. They are not necessary when used by the consumer.

#### Skin protection - hand protection

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.

#### Skin protection - other

In normal use is not necessary, in case of prolonged contact with the product, wear protective work clothes and shoes.

#### Respiratory protection

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.

#### Thermal hazards

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>	Liquid (Homogeneous surfactant/tenside).
<b>Colour</b>	Yellowish/beige
<b>Odour</b>	Based on the used perfume (Clean Pearl AR 745893).
<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.

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<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>	6.5 - 6.8.
<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 liquid.
<b>Betaines, C12-14 (even numbered)-alkyldimethyl</b> CAS: 66455-29-6	
<b>Physical state</b>	Solid.
<b>Colour</b>	Creamy.
<b>Odour</b>	Not determined.
<b>Melting point/freezing point</b>	131.1 °C (decomposition, EU method A.1).
<b>Boiling point or initial boiling point and boiling range</b>	Not determined, substance decomposes.
<b>Flammability</b>	The substance is not classified as flammable (EU method A.10, EU method A.12, EU method A.13).
<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>	131.1 °C (decomposition, EU method A.1).
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Does not apply to solid.
<b>Solubility</b>	324 g/l (20 °C, pH > 6.51 - < 7.24, EU method A.6).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = -0.4 (20 °C, pH = 6.86, EU method A.8).
<b>Vapour pressure</b>	Not determined.
<b>Density and/or relative density</b>	1 067.5 kg/m <sup>3</sup> (129 °C, EU method A.3).
<b>Relative vapour density</b>	Does not apply to solid.
<b>Particle characteristics</b>	Not determined.
<b>D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides</b> CAS: 110615-47-9	



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## HUMDAKIN – HAND & BODY SCRUB

<b>Physical state</b>	Solid.
<b>Colour</b>	Not determined.
<b>Odour</b>	Not determined.
<b>Melting point/freezing point</b>	> 150 °C (OECD 102).
<b>Boiling point or initial boiling point and boiling range</b>	> 301 °C (OECD 103).
<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>	Not determined.
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Does not apply to solid.
<b>Solubility</b>	> 200 g/l (20 °C, OECD 105).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow ≤ -0.07 (20 °C, calculation).
<b>Vapour pressure</b>	Not determined.
<b>Density and/or relative density</b>	D <sub>4</sub> <sup>20</sup> = 1.16 (EU Method A.3).
<b>Relative vapour density</b>	Does not apply to solid.
<b>Particle characteristics</b>	Not determined.
<b>D-Glucopyranose, oligomers, decyl octyl glycosides</b> CAS: 68515-73-1	
<b>Physical state</b>	Solid.
<b>Colour</b>	Not determined.
<b>Odour</b>	Not determined.
<b>Melting point/freezing point</b>	> 150 °C (OECD 102).
<b>Boiling point or initial boiling point and boiling range</b>	> 300 °C (OECD 103).
<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>	Not determined.
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Does not apply to solid.
<b>Solubility</b>	> 200 g/l (20 °C, OECD 105).

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<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = 1.72 (40 °C, pH = 6.5, EU Method A.8).
<b>Vapour pressure</b>	Not determined.
<b>Density and/or relative density</b>	$D_4^{20} = 1.16$ (EU Method A.3).
<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.

##### Betaines, C12-14 (even numbered)-alkyldimethyl

CAS: 66455-29-6

##### **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**

It is not liquid.

##### **Flammable solids**

The substance is not classified as flammable (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**

The substance is not classified as pyrophoric solid (EU method A.13).

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

Data for the substance are not available.

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

The substance is not classified as substances, which emit flammable gases in contact with water (EU method A.12).

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<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>D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides</b>	CAS: 110615-47-9
<b><i>Explosives</i></b>	
Data for the substance are not available. The substance does not contain chemical groups associated with explosive properties.	
<b><i>Flammable gases</i></b>	
It is not gas.	
<b><i>Aerosols</i></b>	
It is not aerosol.	
<b><i>Oxidising gases</i></b>	
It is not gas.	
<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 (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>	

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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.

### **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.

### **D-Glucopyranose, oligomers, decyl octyl glycosides**

CAS: 68515-73-1

### **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**

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The substance is not classified as flammable solid (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**

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.

### **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>Mechanical sensitivity</b>	Not determined, it is not an explosive substance.
<b>Self-accelerating polymerisation temperature</b>	Not determined, it is not a polymerising substance.
<b>Formation of explosible dust/air mixtures</b>	Not determined, it is not a dust.
<b>Acid/alkaline reserve</b>	Not determined, pH is in the range 4 - 10.
<b>Evaporation rate</b>	Not determined.
<b>Miscibility</b>	Not determined.
<b>Conductivity</b>	Not determined.

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<b>Corrosiveness</b>	Not determined.
<b>Gas group</b>	Not determined, it is not gas.
<b>Redox potential</b>	Not determined.
<b>Radical formation potential</b>	Not determined.
<b>Photocatalytic properties</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.

#### 10.6. Hazardous decomposition products

They do not form under normal use. Burning releases carbon 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

The mixture is not classified as toxic for all routes of exposure.

##### Oral

Data for the mixture are not available.

The mixture does not contain substances classified as an acute toxicity by oral route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### Dermal

Data for the mixture are not available.

The mixture does not contain substances classified as an acute toxicity by dermal route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### Inhalation

Data for the mixture are not available.

The mixture does not contain substances classified as an acute toxicity by inhalation route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### 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).



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### ***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 does not contain substances classified as sensitizing or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Germ cell mutagenicity***

Data for the mixture are not available.

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

### ***Carcinogenicity***

Data for the mixture are not available.

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

### ***Reproductive toxicity***

Data for the mixture are not available.

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

### ***STOT – single exposure***

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

### ***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.

**Betaines, C12-14 (even numbered)-alkyldimethyl**

CAS: 66455-29-6

### ***Acute toxicity***

**Oral** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> = 2 640 mg/kg (rat, OECD 401).

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

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

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### **Skin corrosion/irritation**

The substance is classified as skin irritant.

Mean erythema score = 2.67 (fully reversible after 14 days) and oedema = 1 (fully reversible after 7 days) (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 (not fully reversible after 7 days), iritis = 0, conjunctival redness = 1; 1.33; 1.33 (not fully reversible after 7 days), conjunctival oedema = 1; 0.33; 0.66 (not fully reversible after 7 days) (rabbit, 72 hrs., 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 473, OECD 476).

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

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

NOAEL = 60 mg/kg/day (rat, female, oral, generation P0, OECD 422).

NOAEL = 300 mg/kg/day (rat, female, oral, generation P0, OECD 422).

NOAEL = 60 mg/kg/day (mortality, rat, oral, generation F1, OECD 422).

### **STOT – single exposure**

Data for the substance are not available.

The substance may cause respiratory irritation.

The substance may cause drowsiness or dizziness.

### **STOT – repeated exposure**

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

NOAEL = 60 mg/kg/day (rat, oral, 90 days, OECD 415).

### **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.

**D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides**

CAS: 110615-47-9

### **Acute toxicity**

**Oral** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 5 000 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**

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The substance is classified as skin irritant.

Mean erythema score = 2.9 (fully reversible after 17 days) and oedema = 2.1 (fully reversible after 10 days) (rabbit, 72 hrs., OECD 404).

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

The substance is classified as seriously damaging to the eyes.

Mean score of corneal opacity = 0.5 (not fully reversible after 21 days), iritis = 0.3 (fully reversible after 14 days), conjunctival redness = 2.1 (not fully reversible after 21 days), conjunctival oedema = 1 (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 (OECD 471, OECD 473, OECD 476).

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

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

NOAEL = 1 000 mg/kg/day (reproductive toxicity, oral, rat, generation P0, OECD 421).

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

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

NOAEL = 1000 mg/kg/day (systemic and cumulative effect, rat, oral, 90 d, EU Method B.26).

### **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.

**D-Glucopyranose, oligomers, decyl octyl glycosides**

CAS: 68515-73-1

### **Acute toxicity**

**Oral** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 2 000 mg/kg (rat, OECD 423).

**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**

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

Mean erythema score = 0.7, 1.3, 0.3 (fully reversible) and oedema = 0 (rabbit, 72 hrs. OECD 404).

Primary dermal irritation index PDII = 2.6 (max. 10, intact skin), mean erythema score ≥ 1 - ≤ 2 (moderate erythema on intact skin), mean oedema score = ca. 1 (moderate erythema on intact skin) (rabbit, 72 h, OECD 404).

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

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The substance is classified as seriously damaging to the eyes.

Mean score of corneal opacity = 2.3 (not fully reversible after 23 days), iritis = 1 (fully reversible after 7 days), conjunctival redness = 2.7 (not fully reversible after 21 days), conjunctival oedema = 1 (not fully reversible) (rabbit, 72 h, OECD 405).

### **Respiratory or skin sensitisation**

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

Not skin sensitising (mouse, OECD 429).

### **Germ cell mutagenicity**

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

Negative (OECD 476).

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

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

NOAEL = 1 000 mg/kg/day (read-across (SAT 981163), rat, oral, generation P0, OECD 421).

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

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

NOAEL = 1000 mg/kg/day (systemic and cumulative effect, rat, oral, 90 d, EU Method B.26).

### **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**

Mixture does 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 and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

Mixture does 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 does not contain substances classified as acute aquatic toxicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

#### **Chronic aquatic toxicity**

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

category	1	2	3	4
$\Sigma$	0	0	< 3.0	< 3.0

### **Betaines, C12-14 (even numbered)-alkyldimethyl**

CAS: 66455-29-6

The substance is classified as Aquatic Chronic 3; H412.

#### **Fish**

LC<sub>50</sub>, 96 hrs., Danio rerio: 4.44 mg/l (mortality, OECD 203).

#### **Crustaceans**

EC<sub>50</sub>, 48 hrs., Daphnia Magna: 7.76 mg/l (mobility, OECD 202).

NOEC, 21 d., Daphnia Magna: 2.99 mg/l (reproduction, OECD 211).

#### **Algae**

EC<sub>50</sub>, 72 hrs., Pseudokirchneriella subcapitata: 1.7 mg/l (growth rate, OECD 201).

NOEC, 72 hrs., Pseudokirchneriella subcapitata: 0.38 mg/l (growth rate, OECD 201).

### **D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides**

CAS: 110615-47-9

The substance is not classified as hazardous for the aquatic environment.

#### **Fish**

LC<sub>50</sub>, 96 hrs., Danio rerio: 2.95 mg/l (mortality).

NOEC, 28 d., Danio rerio: 1.8 mg/l (mortality, OECD 204).

NOEC, 28 d., Danio rerio: 3.2 mg/l (growth, OECD 204).

#### **Crustaceans**

EC<sub>50</sub>, 48 hrs., Daphnia Magna: 7 mg/l (mobility).

NOEC, 21 d., Daphnia Magna: 2 mg/l (reproduction, OECD 202).

NOEC, 21 d., Daphnia Magna: 1 mg/l (mobility, OECD 202).

#### **Algae**

EC<sub>50</sub>, 72 hrs., Desmodesmus subspicatus: 5 mg/l (biomass).

EC<sub>50</sub>, 72 hrs., Desmodesmus subspicatus: 12.5 mg/l (growth rate).

EC<sub>10</sub>, 72 hrs., Desmodesmus subspicatus: 1.45 mg/l (biomass).

EC<sub>10</sub>, 72 hrs., Desmodesmus subspicatus: 4.15 mg/l (growth rate).

### **D-Glucopyranose, oligomers, decyl octyl glycosides**

CAS: 68515-73-1

The substance is not classified as hazardous for the aquatic environment.

#### **Fish**

LC<sub>50</sub>, 96 hrs., Danio rerio: 100.81 mg/l (mortality, ISO 7346/1-3).

NOEC, 28 d., Danio rerio: 1.8 mg/l (mortality, OECD 204).

#### **Crustaceans**

EC<sub>50</sub>, 48 hrs., Daphnia Magna: > 100 mg/l (mobility, OECD 202).

NOEC, 21 d., Daphnia Magna: 2 mg/l (reproduction, OECD 202).

#### **Algae**

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EC<sub>50</sub>, 72 hrs., *Desmodesmus subspicatus*: 27.22 mg/ (biomass, DIN 38412, part 9).

EC<sub>10</sub>, 72 hrs., *Desmodesmus subspicatus*: 21 mg/l (growth rate, DIN 38412, part 9).

EC<sub>10</sub>, 72 hrs., *Desmodesmus subspicatus*: 6.25 mg/l (biomass, DIN 38412, part 9).

### 12.2. Persistence and degradability

#### Mixture

Data for the mixture are not available.

#### Betaines, C12-14 (even numbered)-alkyldimethyl

CAS: 66455-29-6

Readily biodegradable: 63 - 79 % after 28 days (CO<sub>2</sub> evolution, OECD 301 B).

#### D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides

CAS: 110615-47-9

Readily biodegradable: 88 % after 28 days (c = 2 mg/l, O<sub>2</sub> consumption, OECD 301 D).

Readily biodegradable: 60 % after 28 days (c = 5 mg/l, O<sub>2</sub> consumption, OECD 301 D).

#### D-Glucopyranose, oligomers, decyl octyl glycosides

CAS: 68515-73-1

Readily biodegradable: 100 % after 28 days (removal of dissolved organic carbon, OECD 301 E).

### 12.3. Bioaccumulative potential

#### Mixture

Data for the mixture are not available.

#### Betaines, C12-14 (even numbered)-alkyldimethyl

CAS: 66455-29-6

log Pow = -0.4 (20 °C, pH = 6.86, EU method A.8).

#### D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides

CAS: 110615-47-9

log Pow ≤ -0.07 (20 °C, calculation).

#### D-Glucopyranose, oligomers, decyl octyl glycosides

CAS: 68515-73-1

log Pow = 1.72 (40 °C, pH = 6.5, EU Method A.8).

### 12.4. Mobility in soil

#### Mixture

Data for the mixture are not available.

#### Betaines, C12-14 (even numbered)-alkyldimethyl

CAS: 66455-29-6

K<sub>oc</sub> = 0.703.

#### D-Glucopyranose, oligomeric, C10-16 (even numbered) alkyl glycosides

CAS: 110615-47-9

log K<sub>oc</sub> = 1.7 (25 °C).

#### D-Glucopyranose, oligomers, decyl octyl glycosides

CAS: 68515-73-1

log K<sub>oc</sub> = 1.7 (25 °C, OECD 121).

### 12.5. Results of PBT and vPvB assessment

Mixture does 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).

### 12.6. Endocrine disrupting properties



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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 does 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.

### 12.7. Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Disposal methods of the substance or mixture and the contaminated packaging**

Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). **Do not empty unused product into drainage systems.** 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.

#### **Possible waste code**

16 03 05\* - organic wastes containing dangerous substances (mixture), 15 01 10\* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging).

#### **Physical/chemical properties that may affect waste treatment options**

Not known.

#### **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.

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### 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

Aquatic Chronic 3	Chronic aquatic hazard, cat. 3
Eye Dam. 1	Serious eye damage, cat. 1
Eye Irrit. 2	Eye irritation, cat. 2
Skin Irrit. 2	Skin irritation, cat. 2
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

H315	Causes skin irritation.
H318	Causes serious eye damage.

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H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
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.