

**NIELSEN****SAFETY DATA SHEET  
SHAMPOO & WAX**

According to Regulation (EC) No 1907/2006, Annex II, as amended.

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name	SHAMPOO & WAX
Internal identification	L055
UFI	UFI: 89H1-S00H-F00X-VA0Q

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

Identified uses	Cleaning agent.
Uses advised against	Use only for intended applications.

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

Supplier	NIELSEN CHEMICALS RAWDON ROAD, MOIRA, SWADLINCOTE, DERBYSHIRE, DE12 6DA, ENGLAND TEL: +44 (0) 1283 222277 FAX: +44 (0) 1283 225731 info@nielsenchemicals.com
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**1.4. Emergency telephone number**

Emergency telephone	+44 (0) 777 8505 330 (24 hrs).
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**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Aquatic Chronic 3 - H412

**2.2. Label elements****Hazard pictograms**

Signal word	Danger
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## SHAMPOO & WAX

<b>Hazard statements</b>	<p>EUH208 Contains Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT). May produce an allergic reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves, eye and face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>UFI</b>	UFI: 89H1-S00H-F00X-VA0Q
<b>Contains</b>	SODIUM DODECYL BENZENE SULPHONATE
<b>Detergent labelling</b>	5 - < 15% anionic surfactants, < 5% amphoteric surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one with magnesium chloride and magnesium nitrate, 1,2-BENZOISOTHIAZOL-3(2H)-ONE, METHYLISOTHIAZOLINONE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>SODIUM DODECYL BENZENE SULPHONATE</b>	<b>5-10%</b>
CAS number: 85117-50-6	EC number: 285-600-2
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
<b>COCO AMIDO PROPYL BETAINE</b>	<b>1-5%</b>
CAS number: 97862-59-4	EC number: 931-296-8
	REACH registration number: 01-2119488533-30-XXXX
<b>Classification</b>	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	
<b>Alcohols, C12-C14 (even numbered), ethoxylated&lt;2.5EO, sulphates, sodium salts</b>	<b>1-5%</b>
CAS number: 68891-38-3	EC number: 500-234-8
	REACH registration number: 01-2119488639-16-XXXX
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	

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<b>Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)</b>	<b>1-5%</b>
CAS number: 68155-07-7	EC number: 931-329-6
REACH registration number: 01-2119490100-53-XXXX	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Chronic 2 - H411	
<b>D-Glucopyranose, oligomers, decyl octyl glycosides</b>	<b>&lt;1%</b>
CAS number: 68515-73-1	EC number: 500-220-1
REACH registration number: 01-2119488530-36-XXXX	
<b>Classification</b>	
Eye Dam. 1 - H318	
<b>ALCOHOL C9-11 ETHOXYLATE</b>	<b>&lt;1%</b>
CAS number: 68439-46-3	
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
<b>Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)</b>	<b>&lt;1%</b>
CAS number: 55965-84-9	
M factor (Acute) = 100	M factor (Chronic) = 100
<b>Classification</b>	
Acute Tox. 3 - H301	
Acute Tox. 3 - H311	
Acute Tox. 3 - H331	
Skin Corr. 1C - H314	
Eye Dam. 1 - H318	
Skin Sens. 1A - H317	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention immediately. If medical advice is needed, have product container or label at hand. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

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**Skin contact** Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

**Eye contact** Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

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

**Inhalation** Coughing, chest tightness, feeling of chest pressure.

**Ingestion** Gastrointestinal symptoms, including upset stomach.

**Skin contact** May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged contact may cause dryness of the skin. Product has a defatting effect on skin.

**Eye contact** Causes serious eye damage.

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

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Use fire-extinguishing media suitable for the surrounding fire.

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

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>). Sulphurous gases (SO<sub>x</sub>).

### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

## SECTION 6: Accidental release measures

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

**Personal precautions** Ensure procedures and training for emergency decontamination and disposal are in place. No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Evacuate area. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Clean contaminated objects and areas thoroughly, observing environmental regulations. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**                    Observe any occupational exposure limits for the product or ingredients. Wear protective gloves, eye and face protection. Avoid contact with skin, eyes and clothing. Do not reuse empty containers. Do not eat, drink or smoke when using this product. Do not empty into drains. Avoid release to the environment. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash hands thoroughly after handling.

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

**Storage precautions**                    Store at temperatures between 4°C and 40°C.

**Storage class**                            Miscellaneous hazardous material storage.

#### 7.3. Specific end use(s)

**Specific end use(s)**                    The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### COCO AMIDO PROPYL BETAINE (CAS: 97862-59-4)

<b>DNEL</b>	Industry - Dermal; Long term systemic effects: 12.5 Consumer - Dermal; Long term systemic effects: 7.5 mg/kg/day Industry - Inhalation; Long term systemic effects: 44 mg/m <sup>3</sup>
<b>PNEC</b>	- Fresh water; 0.0135 mg/l - STP; 300 mg/l - Soil; 0.8 mg/kg - Sediment (Marinewater); 0.1 mg/kg - Sediment (Freshwater); 1 mg/kg - marine water; 0.00135 mg/l

##### Alcohols, C12-C14 (even numbered), ethoxylated<2.5EO, sulphates, sodium salts (CAS: 68891-38-3)

<b>DNEL</b>	Industry - Dermal; Long term systemic effects: 2750 mg/kg/day Industry - Inhalation; Long term systemic effects: 175 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 15 mg/kg/day Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day Consumer - Inhalation; Long term systemic effects: 52 mg/m <sup>3</sup>
<b>PNEC</b>	- Fresh water; 0.24 mg/l - marine water; 0.024 mg/l - Intermittent release; 0.071 mg/l - Sediment (Freshwater); 5.45 mg/kg - Sediment (Marinewater); 0.545 mg/kg - Soil; 0.946 mg/kg - STP; 10000 mg/l

##### Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl) (CAS: 68155-07-7)

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<b>DNEL</b>	Industry - Dermal; Long term systemic effects: 4.16 mg/kg/day
	Industry - Dermal; Long term local effects: 0.09 mg/cm <sup>2</sup>
	Industry - Inhalation; Long term systemic effects: 73.4 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 2.5 mg/kg/day
	Consumer - Dermal; Long term local effects: 0.048 mg/cm <sup>2</sup>
	Consumer - Inhalation; Long term systemic effects: 21.73 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 6.25 mg/kg/day

<b>PNEC</b>	- Fresh water; 0.007 mg/l
	- marine water; 0.0007 mg/l
	- Intermittent release; 0.0024 mg/l
	- STP; 830 mg/l
	- Soil; 0.0348 mg/l
	- Sediment (Freshwater); 0.195 mg/kg
	- Sediment (Marinewater); 0.0195 mg/kg

### D-Glucopyranose, oligomers, decyl octyl glycosides (CAS: 68515-73-1)

<b>DNEL</b>	Workers - Dermal; Long term systemic effects: 595000 mg/kg/day
	Workers - Inhalation; Long term systemic effects: 420 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 357000 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 124 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 35.7 mg/kg/day

<b>PNEC</b>	- Fresh water; 0.1 mg/l
	- marine water; 0.01 mg/l
	- STP; 560 mg/l
	- Soil; 0.654 mg/kg
	- Sediment (Freshwater); 0.487 mg/kg
	- Sediment (Marinewater); 0.048 mg/kg

### ALCOHOL C9-11 ETHOXYLATE (CAS: 68439-46-3)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 294 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 2080 mg/kg/day
	General population - Inhalation; Long term systemic effects: 87 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 1250 mg/kg/day
	General population - Oral; Long term systemic effects: 25 mg/kg/day

<b>PNEC</b>	- Fresh water; 0.10379 mg/l
	- marine water; 0.10379 mg/l
	- Fresh water, Intermittent release; 0.014 mg/l
	- Sediment (Freshwater); 13.7 mg/kg
	- Sediment (Marinewater); 13.7 mg/kg
	- Soil; 1 mg/kg
	- STP; 1.4 mg/l

## 8.2. Exposure controls

### Protective equipment



Appropriate engineering controls

Not relevant.

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<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. The following protection should be worn: Chemical splash goggles.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. Protective gloves should have a minimum thickness of 0.15 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Rubber (natural, latex). Neoprene.
<b>Other skin and body protection</b>	Provide eyewash station.
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Wash contaminated clothing before reuse.
<b>Environmental exposure controls</b>	Store in a demarcated bunded area to prevent release to drains and/or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Dark. Blue.
<b>Odour</b>	Fruity.
<b>pH</b>	pH (concentrated solution): ~ 7.0
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not applicable.
<b>Vapour pressure</b>	Not determined.
<b>Relative density</b>	~ 1.02 @ 25°C

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<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not applicable.
<b>Viscosity</b>	~ 1350 cP @ 25°C
<b>Explosive properties</b>	There are no chemical groups present in the product that are associated with explosive properties.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.
<b>Comments</b>	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

### 9.2. Other information

**Other information** Not determined.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined.

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>). Sulphurous gases (SO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 12,823.09

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation



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<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
<b>Extreme pH</b>	Moderate pH (> 2 and < 11.5).
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	May cause sensitisation or allergic reactions in sensitive individuals. Based on available data the classification criteria are not met.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Does not contain any substances known to be mutagenic.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Does not contain any substances known to be carcinogenic.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Does not contain any substances known to be toxic to reproduction.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not anticipated to present an aspiration hazard, based on chemical structure.
<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	Gastrointestinal symptoms, including upset stomach.
<b>Skin contact</b>	May cause skin sensitisation or allergic reactions in sensitive individuals.
<b>Eye contact</b>	Causes serious eye damage.
<b>Acute and chronic health hazards</b>	Corneal damage. May cause skin sensitisation or allergic reactions in sensitive individuals. Defatting, drying and cracking of skin.
<b>Route of exposure</b>	Skin and/or eye contact
<b>Target organs</b>	Eyes Skin
<b>Medical symptoms</b>	Allergies. Dry skin.
<b>Medical considerations</b>	Skin disorders and allergies.

### Toxicological information on ingredients.

#### SODIUM DODECYL BENZENE SULPHONATE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 650.0

Species Rat

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ATE oral (mg/kg) 650.0

### COCO AMIDO PROPYL BETAINE

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,000.0

Species Rat

### Alcohols, C12-C14 (even numbered), ethoxylated<2.5EO, sulphates, sodium salts

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 4,100.0

Species Rat

Notes (oral LD<sub>50</sub>)

ATE oral (mg/kg) 4,100.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

### Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.1

Species Rat

ATE dermal (mg/kg) 2,000.1

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

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,001.0

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<b>Species</b>	Rabbit
<b>ATE dermal (mg/kg)</b>	2,001.0

**ALCOHOL C9-11 ETHOXYLATE****Acute toxicity - oral**

<b>ATE oral (mg/kg)</b>	500.0
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**Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)****Acute toxicity - oral**

<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	53.0
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<b>Species</b>	Rat
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<b>Notes (oral LD<sub>50</sub>)</b>	Estimated value.
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<b>ATE oral (mg/kg)</b>	53.0
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**Acute toxicity - dermal**

<b>ATE dermal (mg/kg)</b>	300.0
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**Acute toxicity - inhalation**

<b>ATE inhalation (vapours mg/l)</b>	3.0
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**Skin sensitisation**

<b>Skin sensitisation</b>	Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.
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**2-METHYL-2H-ISOTHIAZOL-3-ONE****Acute toxicity - inhalation**

<b>ATE inhalation (dusts/mists mg/l)</b>	0.05
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**SECTION 12: Ecological information**

<b>Ecotoxicity</b>	Harmful to aquatic life with long lasting effects.
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**12.1. Toxicity****Acute aquatic toxicity**

<b>Acute toxicity - fish</b>	Not determined.
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**Chronic aquatic toxicity**

<b>Chronic toxicity - fish early life stage</b>	Not determined.
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**Ecological information on ingredients.****COCO AMIDO PROPYL BETAINE****Acute aquatic toxicity**

<b>Acute toxicity - fish</b>	LC50, 96 hours: 1.11 mg/l, Pimephales promelas (Fat-head Minnow) LC50, 96 hours: 1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)
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**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 1.9 mg/l, Freshwater invertebrates  
EC<sub>50</sub>, : 0.3 mg/l, Freshwater invertebrates  
EC<sub>50</sub>, 48 hours: 21.5 mg/l mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 48 hours: 30.0 mg/l, Marinewater algae

### Alcohols, C12-C14 (even numbered), ethoxylated<2.5EO, sulphates, sodium salts

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 7.1 mg/l, Brachydanio rerio (Zebra Fish)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 7.4 mg/l, Daphnia magna  
NOEC, 48 hours: 0.27 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 27 mg/l, Scenedesmus subspicatus

### Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 2.4 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 3.2 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 18.6 mg/l, Freshwater algae

#### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** NOEC, 28 days: 0.32 mg/l,

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 0.07 mg/l, Daphnia magna

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

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >100 mg/l, Brachydanio rerio (Zebra Fish)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: >100 mg/l, Daphnia magna

### ALCOHOL C9-11 ETHOXYLATE

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 57 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 2.5 mg/l, Daphnia magna

### Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.001 < L(E)C<sub>50</sub> ≤ 0.01

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<b>M factor (Acute)</b>	100
<b>Acute toxicity - fish</b>	Estimated value. LC <sub>50</sub> , 96 hours: 13 mg/l, Fish
<b><u>Chronic aquatic toxicity</u></b>	
<b>NOEC</b>	0.0001 < NOEC ≤ 0.001
<b>Degradability</b>	Non-rapidly degradable
<b>M factor (Chronic)</b>	100

### 2-METHYL-2H-ISOTHIAZOL-3-ONE

<b><u>Acute aquatic toxicity</u></b>	
<b>LE(C)<sub>50</sub></b>	0.01 < L(E)C <sub>50</sub> ≤ 0.1
<b>M factor (Acute)</b>	10
<b><u>Chronic aquatic toxicity</u></b>	
<b>NOEC</b>	0.01 < NOEC ≤ 0.1
<b>Degradability</b>	Non-rapidly degradable
<b>M factor (Chronic)</b>	1

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** Not determined.

#### 12.4. Mobility in soil

**Mobility** Soluble in water.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** Not determined.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### **Special Provisions note**

##### 14.1. UN number

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Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

## SECTION 15: Regulatory information

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

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended).
<b>EU legislation</b>	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

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<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>IATA: International Air Transport Association.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>NOEC: No Observed Effect Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>UN: United Nations.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
<b>Classification abbreviations and acronyms</b>	<p>Acute Tox. = Acute toxicity</p> <p>Aquatic Acute = Hazardous to the aquatic environment (acute)</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p> <p>Eye Dam. = Serious eye damage</p> <p>Skin Irrit. = Skin irritation</p> <p>Skin Corr. = Skin corrosion</p> <p>Skin Sens. = Skin sensitisation</p>
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	<p>EUH208, Eye Dam. 1 - H318, Aquatic Chronic 3 - H412: Calculation method.</p>
<b>Revision comments</b>	<p>NOTE: Lines within the margin indicate significant changes from the previous revision.</p>
<b>Revision date</b>	17/06/2021
<b>Revision</b>	5.0
<b>Supersedes date</b>	05/02/2020
<b>SDS number</b>	29759
<b>Hazard statements in full</b>	<p>H301 Toxic if swallowed.</p> <p>H302 Harmful if swallowed.</p> <p>H311 Toxic in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H331 Toxic if inhaled.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>EUH208 Contains Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT). May produce an allergic reaction.</p>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.