

**Safety data sheet**  
**ACCORDING TO COMMISSION REGULATION (EU) 2020/878**  
**amending Annex II to Regulation (EC) No 1907/2006**

Printing date 07.03.2024

Version number 1.0

Revision: 07.03.2024

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

- **1.1 Product identifier**
- **Trade name:** Sofin Complete Care&Black Color Protection Washing Liquid
- **UFI:** WNY3-5U7D-HQ3W-AS9X
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Detergents
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Dr. Miele Cosmed Group S.A.  
 ul. Wielkopolska 3, 26-600 Radom, Poland  
 tel. +48 48 384 58 01  
 www.dr-miele.eu  
 www.sofin.pl  
 info@dr-miele.eu
- **1.4 Emergency telephone number:** +48 (48) 384-58-01 (Mo. to Fr. 8:00 - 16:00)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

- Eye Irrit. 2 H319 Causes serious eye irritation.
- Skin Sens. 1 H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
 METHYLISOTHIAZOLINONE (2-methyl-2H-isothiazol-3-one)  
 BENZISOTHIAZOLINONE (1,2-benzisothiazol-3(2H)-one)
- **Hazard statements**  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.
- **Precautionary statements**  
 P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P280 Wear protective gloves / eye protection / face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with national regulations to disposal.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Determination of endocrine-disrupting properties** Not applicable.

**SECTION 3: Composition/information on ingredients**

· **3.2 Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16	<b>SODIUM LAURETH SULFATE</b> (Alcohols C12-14 ethoxylated, sulfates, sodium salt) ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: $C \geq 10\%$ Eye Irrit. 2; H319: $5\% \leq C < 10\%$	$\geq 5 - < 10\%$
CAS: 160901-19-9 EC number: 931-954-4 Reg.nr.: 01-2119490233-42	<b>C12-13 PARETH-7</b> (Alcohols C12-13 branched and linear, ethoxylated) ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: $C \geq 10\%$ Eye Irrit. 2; H319: $1\% \leq C < 10\%$	$\geq 1 - < 2.5\%$
CAS: 61789-30-8 EINECS: 263-049-9	<b>POTASSIUM COCOATE</b> (Fatty acids, coco, potassium salts) ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	$\geq 1 - < 5\%$
CAS: 1334422-09-1 EC number: 931-513-6 Reg.nr.: 01-2119513359-38	<b>COCAMIDOPROPYL BETAINE</b> (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18) acyl derivs.) ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: $C \geq 10\%$ Eye Irrit. 2; H319: $4\% \leq C < 10\%$	$\geq 1 - < 2.5\%$
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60	<b>BENZISOTHIAZOLINONE</b> (1,2-benzisothiazol-3(2H)-one) ⚠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: $C \geq 0.036\%$	$< 0.025\%$
CAS: 2682-20-4 EINECS: 220-239-6 Index number: 613-326-00-9 Reg.nr.: 01-2120764690-50	<b>METHYLISOTHIAZOLINONE</b> (2-methyl-2H-isothiazol-3-one) ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ⚠ Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: $C \geq 0.0015\%$	$\geq 0.0015 - < 0.025\%$

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<b>· Regulation (EC) No 648/2004 on detergents / Labelling for contents</b>	
anionic surfactants	≥5 - <15%
non-ionic surfactants, soap, amphoteric surfactants	<5%
perfumes (HEXYL CINNAMAL), preservation agents (BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE, PHENOXYETHANOL, DIDECYLDIMONIUM CHLORIDE), enzymes	

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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

· **4.1 Description of first aid measures**

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Rinse with warm water.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

### **SECTION 5: Firefighting measures**

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Water spray

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· **5.3 Advice for firefighters**

· **Protective equipment:** No special measures required.

### **SECTION 6: Accidental release measures**

· **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid skin and eye contact.

Slipping hazard due to leaking product.

· **6.2 Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
*No special measures required.*  
*Keep away from frost and heat.*
- **Information about fire - and explosion protection:** *No special measures required.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store only in the original receptacle.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**  
*Keep container tightly sealed.*  
*Store and transport uprightly.*
- **Storage class:** 12
- **7.3 Specific end use(s)**  
*The product is a detergent for household cleaning. Observe the warnings and instructions on the packaging.*

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

- **DNELs**

**68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salt)**

Oral	DNEL - long-term, oral, systemic effect	15 mg/kg (consumer)
Dermal	DNEL - long-term, dermal, systemic effect	2,750 mg/kg (worker)
		1,650 mg/kg (consumer)
	DNEL - long-term, dermal, local effect	132 µg/cm <sup>2</sup> (worker)
		79 µg/cm <sup>2</sup> (consumer)
Inhalative	DNEL - long-term, inhaled, systemic effect	175 mg/m <sup>3</sup> (worker)

**160901-19-9 C12-13 PARETH-7 (Alcohols C12-13 branched and linear, ethoxylated)**

Oral	DNEL - long-term, oral, systemic effect	25 mg/kg (consumer)
Dermal	DNEL - long-term, dermal, systemic effect	2,080 mg/kg (worker)
		1,250 mg/kg (consumer)
Inhalative	DNEL - long-term, inhaled, systemic effect	294 mg/m <sup>3</sup> (worker)
		87 mg/m <sup>3</sup> (consumer)

**1334422-09-1 COCAMIDOPROPYL BETAINE (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18) acyl derivs.)**

Oral	DNEL - long-term, oral, systemic effect	7.5 mg/kg (consumer)
Dermal	DNEL - long-term, dermal, systemic effect	12.5 mg/kg (worker)
		7.5 mg/kg (consumer)
Inhalative	DNEL - long-term, inhaled, systemic effect	44 mg/m <sup>3</sup> (worker)

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<b>· PNECs</b>	
<b>68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salt)</b>	
PNEC water (fresh water)	240 µg/l
PNEC water (marine water)	24 µg/l
PNEC water (intermittent)	71 µg/l
PNEC sediment (fresh water)	0.9168 mg/kg
PNEC sediment (marine water)	0.09168 mg/kg
PNEC (soil)	7.5 mg/kg
<b>160901-19-9 C12-13 PARETH-7 (Alcohols C12-13 branched and linear, ethoxylated)</b>	
PNEC water (fresh water)	80 µg/l
PNEC water (marine water)	8 µg/l
PNEC water (intermittent)	0.28 µg/l
PNEC sediment (fresh water)	63.83 mg/kg
PNEC sediment (marine water)	6.38 mg/kg
PNEC (soil)	1 mg/kg
PNEC (sewage plant)	10,000 mg/l
<b>1334422-09-1 COCAMIDOPROPYL BETAINE (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18) acyl derivs.)</b>	
PNEC water (fresh water)	13.5 µg/l
PNEC water (marine water)	1.35 µg/l
PNEC sediment (fresh water)	1 mg/kg
PNEC (soil)	0.805 mg/kg

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further relevant information available.

· **Individual protection measures, such as personal protective equipment**

· **Respiratory protection:** Not required.

· **Hand protection**



Protective gloves

Due to missing tests, it is not possible to give exact information about the glove material for the product.

Recommended is therefore:

Only use chemical-protective gloves with CE-labelling of category III.

· **Material of gloves**

Recommended for contact with the product are protective gloves of chemical protection category III made of special nitrile (material thickness > 0.1 mm). Protective gloves should be tested for workplace specific suitability (e.g. mechanical and thermal resistance, antistatic, etc.). For first signs of wear, the protective gloves must be replaced immediately.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

Penetration time > 480 minutes recommended. Named penetration times can be significantly shorter in practice.

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## · Eye/face protection



Tightly sealed goggles

## · General protective and hygienic measures:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

· Environmental exposure controls Do not allow product to reach ground water, water course or sewage system.

## SECTION 9: Physical and chemical properties

## · 9.1 Information on basic physical and chemical properties

## · General Information

· Physical state	Fluid
· Colour:	Colourless
· Odour:	Pleasant
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	100 °C (7732-18-5 water)
· Flammability	Not flammable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	160 °C (56-81-5 GLYCERIN (Glycerol))
· Auto-ignition temperature:	250 °C (68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salt))
· Decomposition temperature:	Not determined.
· pH at 20 °C	7.5-8.5
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic at 20 °C:	<10,000 mPas
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa (7732-18-5 water)
· Density and/or relative density	
· Density at 20 °C:	1.013-1.033 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.

## · 9.2 Other information

## · Appearance:

· Form: Liquid

## · Important information on protection of health and environment, and on safety.

· Explosive properties: Product does not present an explosion hazard.

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· Solvent content:	
· Organic solvents:	0.4 %
· Water:	>86.8 %
· Solids content:	7.9 %
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

### SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability Product is stable.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid Keep away from frost and heat.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

### SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

**ATE (Acute Toxicity Estimates)**

Oral	LD50	>20,000-133,333 mg/kg
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**68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salt)**

Oral	LD50	>5,000 mg/kg (rat) (OECD TG 401)
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Dermal	LD50	>2,000 mg/kg (rat) (OECD TG 402)
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**160901-19-9 C12-13 PARETH-7 (Alcohols C12-13 branched and linear, ethoxylated)**

Oral	LD50	>300-2,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rabbit)
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**61789-30-8 POTASSIUM COCOATE (Fatty acids, coco, potassium salts)**

Oral	LD50	>2,000 mg/kg
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Dermal	LD50	>2,000 mg/kg
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**1334422-09-1 COCAMIDOPROPYL BETAINE (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18) acyl derivs.)**

Oral	LD50	2,335 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
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**2634-33-5 BENZISOTHIAZOLINONE (1,2-benzisothiazol-3(2H)-one)**

Oral	LD50	1,193 mg/kg (rat)
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Dermal	LD50	4,115 mg/kg (rat)
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**2682-20-4 METHYLISOTHIAZOLINONE (2-methyl-2H-isothiazol-3-one)**

Oral	LD50	391 mg/kg (rat)
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- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity**  
Based on available data, the classification criteria are not met.

**68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salt)**

NOAEL	>300 mg/kg bw/d (rat) (OECD TG 416)
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- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
Based on available data, the classification criteria are not met.

**68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salt)**

NOAEL	>225 mg/kg/d (rat) (OECD TG 408)
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**1334422-09-1 COCAMIDOPROPYL BETAINE (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18) acyl derivs.)**

NOEL	300 mg/kg (rat)
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- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

1222-05-5	HEXAHYDROHEXAMETHYL CYCLOPENTABENZOPYRAN (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)	List II
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118-58-1	benzyl salicylate	List II
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1506-02-1	1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid)	List II
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## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

<b>68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salt)</b>	
Toxicity (fish): LC50	>10-100 mg/l, 96 h ( <i>Leuciscus idus</i> )
Toxicity chronic (fish): NOEC	>1-10 mg/l, 28 d ( <i>Leuciscus idus</i> )
Toxicity ( <i>Daphnia</i> ): EC50	>10-100 mg/l, 48 h ( <i>Daphnia magna</i> )
Toxicity ( <i>Algae</i> ): EC50	>10-100 mg/l, 72 h ( <i>Scenedesmus subspicatus</i> )
<b>160901-19-9 C12-13 PARETH-7 (Alcohols C12-13 branched and linear, ethoxylated)</b>	
Toxicity (fish): LC50	>1-10 mg/l, 96 h ( <i>Cyprinus carpio</i> ) (OECD TG 203)
Toxicity ( <i>Daphnia</i> ): EC50	>1-10 mg/l, 48 h ( <i>Daphnia magna</i> ) (OECD TG 202)
Toxicity ( <i>Algae</i> ): EC50	>1-10 mg/l, 72 h ( <i>Desmodesmus subspicatus</i> ) (OECD TG 201)
<b>1334422-09-1 COCAMIDOPROPYL BETAINE (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18) acyl derivs.)</b>	
Toxicity (fish): LC50	1.1 mg/l, 96 h ( <i>Cyprinodon variegatus</i> ) 1.11 mg/l, 96 h ( <i>Pimephales promelas</i> )
Toxicity chronic (fish): NOEC	0.135 mg/l, 28 d ( <i>Oncorhynchus mykiss</i> )
Toxicity ( <i>Daphnia</i> ): EC50	1.9 mg/l, 48 h ( <i>Daphnia magna</i> )
Toxicity ( <i>Algae</i> ): EC50	2.4 mg/l, 72 h
Toxicity chronic ( <i>Algae</i> ): NOEC	0.6 mg/l, 72 h
<b>2634-33-5 BENZISOTHIAZOLINONE (1,2-benzisothiazol-3(2H)-one)</b>	
Toxicity (fish): LC50	2.18 mg/l, 96 h ( <i>Oncorhynchus mykiss</i> ) (OECD TG 203)
Toxicity ( <i>Daphnia</i> ): EC50	2.94 mg/l, 48 h ( <i>Daphnia magna</i> ) (OECD TG 202)
Toxicity ( <i>Algae</i> ): EC50	0.11 mg/l, 72 h ( <i>Pseudokirchneriella subcapitata</i> ) (OECD TG 201)
Toxicity chronic ( <i>Algae</i> ): NOEC	0.027 mg/l, 72 h ( <i>Skeletonema costatum</i> ) (OECD TG 201)
<b>2682-20-4 METHYLISOTHIAZOLINONE (2-methyl-2H-isothiazol-3-one)</b>	
Toxicity (fish): LC50	4.77 mg/l, 96 h ( <i>Oncorhynchus mykiss</i> )
Toxicity ( <i>Daphnia</i> ): EC50	0.93-1.9 mg/l, 48 h ( <i>Daphnia magna</i> )
Toxicity ( <i>Algae</i> ): EC50	0.158 mg/l, 72 h ( <i>Selenastrum capricornutum</i> )

### · 12.2 Persistence and degradability

No information for the product available. The contained surfactants are readily biodegradable.

<b>68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salt)</b>	
Readily biodegradable	>90 % (28 d)
<b>160901-19-9 C12-13 PARETH-7 (Alcohols C12-13 branched and linear, ethoxylated)</b>	
Readily biodegradable	>60 % (28 d) (OECD TG 301 B)
<b>1334422-09-1 COCAMIDOPROPYL BETAINE (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18) acyl derivs.)</b>	
Readily biodegradable	>75 % (28 d) (-)
<b>2634-33-5 BENZISOTHIAZOLINONE (1,2-benzisothiazol-3(2H)-one)</b>	
Readily biodegradable	% (OECD TG 301 B)

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**2682-20-4 METHYLISOTHIAZOLINONE (2-methyl-2H-isothiazol-3-one)**

biodegradable	0.38-1.4 % (aerob)
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· **12.3 Bioaccumulative potential**

**68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salt)**

Log Pow	0.3 (Potential: low)
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- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.*

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
*Empty the container thoroughly.  
 Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.*
- **Waste disposal key:**  
 20 01 29  
 15 01 10
- **Uncleaned packaging:**
- **Recommendation:**  
*Non contaminated packagings may be recycled.  
 Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.*
- **Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

### SECTION 14: Transport information

- |   |                 |
|---|-----------------|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN number or ID number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>                                  | Void            |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>                                 | Void            |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR, ADN, IMDG, IATA</b></li> <li>· <b>Class</b></li> </ul> | Void            |
| <ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>   | Void            |
| <ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> </ul>  | Not applicable. |

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· **14.6 Special precautions for user** Not applicable.

· **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

· **UN "Model Regulation":** Void

### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 · **Labelling according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Regulations:** Regulation (EC) No: 1907/2006, 1272/2008, 648/2004 (all as amended).

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone- depleting potential)**

· **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information given in the Material Safety Data Sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on our present knowledge. In particular, the information derive the purpose of describing our product under the aspect of hazards caused by such product and pertaining safety actions. The information does not constitute any guarantee of product quality and/or quality features. This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

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EU

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*H330 Fatal if inhaled.**H400 Very toxic to aquatic life.**H410 Very toxic to aquatic life with long lasting effects.**H412 Harmful to aquatic life with long lasting effects.*

- **Training hints**

*When manufacturing and distributing the product: information and instruction in handling, safety and hygiene.**When transporting the product: information and instruction in ADR.*

- **Classification according to Regulation (EC) No 1272/2008**

*The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.*

- **Department issuing SDS:**

Regulatory Affairs

MH

- **Contact: reg@dr-miele.eu**

- **Abbreviations and acronyms:**

*ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure**MARPOL: International Convention for the Prevention of Marine Pollution from Ships (marine pollution)**IBC: Intermediate Bulk Container**IMO: International Maritime Organisation**ECHA: European Chemicals Agency**IVIS: In Vitro Irritancy Score**CLP regulation: "Classification, Labelling and Packaging" regulation, regulation (EC) Nr. 1272/2008**REACH (regulation): "Registration, Evaluation, Authorisation and Restriction of Chemicals" regulation, regulation (EC) Nr. 1907/2006**CE: Conformité Européenne (European Conformity)**Reg. no.: Registration number**log Kow / log Pow: decaadic logarithm of the octanol/water partition coefficient**ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonised System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**EC50: Effective concentration, 50 percent**WEL: Workplace Exposure Limits**NOAEL (NOAEC): No observed adverse effect level (concentration)**NOEL (NOEC): No observed effect level (concentration)**NLP: No-Longer-Polymer**OECD: Organisation for Economic Co-operation and Development**TG: Test Guideline**BCOP: Bovine Corneal Opacity and Permeability**Acute Tox. 3: Acute toxicity – Category 3**Acute Tox. 4: Acute toxicity – Category 4**Acute Tox. 2: Acute toxicity – Category 2**Skin Corr. 1B: Skin corrosion/irritation – Category 1B**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**Skin Sens. 1A: Skin sensitisation – Category 1A**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

- **\* Data compared to the previous version altered.**