

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Alchemist Car Care AquaFoil

Version number: GHS 1.0

Date of compilation: 2023-07-17

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name **Alchemist Car Care AquaFoil**

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

Relevant identified uses  
Foaming vehicle wash  
Concentrate  
Professional use  
Industrial use

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

Alchemist Ltd  
203 Polaris Ridge Ave  
Henderson, NV 89011

1-800-806-8267  
info@carcarealchemist.com  
www.carcarealchemist.com

#### 1.4 Emergency telephone number

Emergency information service  
USA 1.800.535.5053, INTL 1.352.323.3500  
24 hour emergency number

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
A.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318

For full text of abbreviations: see SECTION 16.

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word **danger**

- Pictograms

GHS05



- Hazard statements

H315 Causes skin irritation.  
H318 Causes serious eye damage.

- Precautionary statements

P280 Wear protective gloves/protective clothing/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.  
P310 Immediately call a poison center/doctor.  
P321 Specific treatment (see on this label).  
P362 Take off contaminated clothing and wash before reuse.

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- Hazardous ingredients for labelling

sodium [dodecanoyl(methyl)amino]acetate, D-Glucopyranose, oligomers, decyl octyl glycosides, amines, coco alkyldimethyl, N-oxides, lauryl glucoside

### 2.3 Other hazards

Hazards not otherwise classified

Toxic to aquatic life (GHS category 2: aquatic toxicity - acute).

Harmful to aquatic life with long lasting effects (GHS category 3: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0.1\%$ .

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0.1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Sodium olefin sulfonate	CAS No 68439-57-6	5 - < 12	Skin Irrit. 2 / H315 Eye Dam. 1 / H318
sodium [dodecanoyl(methyl)amino]acetate	CAS No 137-16-6	1 - < 5	Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Dam. 1 / H318
lauryl glucoside	CAS No 110615-47-9	1 - < 5	Skin Irrit. 2 / H315 Eye Dam. 1 / H318
D-Glucopyranose, oligomers, decyl octyl glycosides	CAS No 68515-73-1	1 - < 5	Eye Dam. 1 / H318
amines, coco alkyldimethyl, N-ox- ides	CAS No 61788-90-7	1 - < 5	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318
2-methylpentane-2,4-diol	CAS No 107-41-5	1 - < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319

Hazardous ingredients, Consideration of other advice

*This table, if present, includes all GHS classified ingredients present above their cut-off limits, even if the finished product is not classified as hazardous by GHS.*

Exact percentage of ingredients is withheld as a trade secret.

For full text of abbreviations: see SECTION 16.

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

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### Following skin contact

Wash with plenty of soap and water.

### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Water jet

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

#### Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Remove persons to safety.

#### For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

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

#### Advice on how to contain a spill

Covering of drains

#### Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

#### Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingsuffs.

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

Control of the effects

Protect against external exposure, such as

frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
US	hexylene glycol	107-41-5	PEL (CA)					25	125		Cal/OSHA PEL
US	hexylene glycol	107-41-5	REL					25	125		NIOSH REL
US	hexylene glycol	107-41-5	TLV®				10			i, aerosol	ACGIH® 2019
US	hexylene glycol	107-41-5	TLV®	25		50				vap	ACGIH® 2019

#### Notation

aerosol

as aerosols

Ceiling-C

ceiling value is a limit value above which exposure should not occur

i

inhalable fraction

STEL

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

vap

as vapors

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Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Sodium olefin sulfonate	68439-57-6	DNEL	152 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Sodium olefin sulfonate	68439-57-6	DNEL	2,158 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	DNEL	5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	DNEL	71 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	DNEL	20 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	DNEL	420 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	DNEL	595,000 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
lauryl glucoside	110615-47-9	DNEL	420 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
lauryl glucoside	110615-47-9	DNEL	595,000 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
amines, coco alkyl dimethyl, N-oxides	61788-90-7	DNEL	6.2 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
amines, coco alkyl dimethyl, N-oxides	61788-90-7	DNEL	11 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-methylpentane-2,4-diol	107-41-5	DNEL	44 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
2-methylpentane-2,4-diol	107-41-5	DNEL	49 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
2-methylpentane-2,4-diol	107-41-5	DNEL	98 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
2-methylpentane-2,4-diol	107-41-5	DNEL	42 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Sodium olefin sulfonate	68439-57-6	PNEC	0.024 mg/l	aquatic organisms	freshwater	short-term (single instance)
Sodium olefin sulfonate	68439-57-6	PNEC	0.002 mg/l	aquatic organisms	marine water	short-term (single instance)
Sodium olefin sulfonate	68439-57-6	PNEC	4 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

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Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Sodium olefin sulfonate	68439-57-6	PNEC	0.77 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Sodium olefin sulfonate	68439-57-6	PNEC	0.077 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Sodium olefin sulfonate	68439-57-6	PNEC	1.2 mg/kg	terrestrial organisms	soil	short-term (single instance)
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	10 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	0.034 mg/kg	benthic organisms	sediment	short-term (single instance)
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	0.0034 mg/kg	pelagic organisms	sediment	short-term (single instance)
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	0.3 mg/l	aquatic organisms	water	intermittent release
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	0.009 mg/l	aquatic organisms	freshwater	short-term (single instance)
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	0.001 mg/l	aquatic organisms	marine water	short-term (single instance)
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	3 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	0.064 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	0.006 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	PNEC	0.008 mg/kg	terrestrial organisms	soil	short-term (single instance)
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	560 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	1.5 mg/kg	benthic organisms	sediment	short-term (single instance)
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	111 mg/kg	(top) predators	water	short-term (single instance)
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	0.27 mg/l	aquatic organisms	water	intermittent release
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	0.15 mg/kg	pelagic organisms	sediment	short-term (single instance)

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Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	0.18 mg/l	aquatic organisms	freshwater	short-term (single instance)
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	0.018 mg/l	aquatic organisms	marine water	short-term (single instance)
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	560 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	1.5 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	0.15 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	PNEC	0.65 mg/kg	terrestrial organisms	soil	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	5,000 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	1.5 mg/kg	benthic organisms	sediment	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	0.065 mg/kg	pelagic organisms	sediment	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	111 mg/kg	(top) predators	water	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	0.03 mg/l	aquatic organisms	water	intermittent release
lauryl glucoside	110615-47-9	PNEC	0.18 mg/l	aquatic organisms	freshwater	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	0.018 mg/l	aquatic organisms	marine water	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	5,000 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	1.5 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	0.065 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
lauryl glucoside	110615-47-9	PNEC	0.65 mg/kg	terrestrial organisms	soil	short-term (single instance)
amines, coco alkyl dimethyl, N-oxides	61788-90-7	PNEC	0.034 mg/l	aquatic organisms	freshwater	short-term (single instance)
amines, coco alkyl dimethyl, N-oxides	61788-90-7	PNEC	0.003 mg/l	aquatic organisms	marine water	short-term (single instance)
amines, coco alkyl dimethyl, N-oxides	61788-90-7	PNEC	0.034 mg/l	aquatic organisms	water	intermittent release
amines, coco alkyl dimethyl, N-oxides	61788-90-7	PNEC	24 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

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Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
amines, coco alkyldimethyl, N-oxides	61788-90-7	PNEC	5.2 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
amines, coco alkyldimethyl, N-oxides	61788-90-7	PNEC	0.52 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
amines, coco alkyldimethyl, N-oxides	61788-90-7	PNEC	1 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	0.43 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	0.043 mg/l	aquatic organisms	marine water	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	20 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	1.6 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	0.16 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	0.066 mg/kg	terrestrial organisms	soil	short-term (single instance)

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection.

##### Skin protection

###### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

###### - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

##### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.



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### SECTION 9: Physical and chemical properties

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

##### Appearance

Physical state	liquid
Color	purple
Particle	not relevant (liquid)
Odor	fruity

##### Other safety parameters

pH (value)	7 – 8
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	not determined closed cup
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	32 hPa at 25 °C
Density	1.1 g/ml
Vapor density	this information is not available

##### Solubility(ies)

- Water solubility	miscible in any proportion
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##### Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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##### Auto-ignition temperature

Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

#### 10.5 Incompatible materials

Oxidizers

#### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

##### Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	inhalation: dust/mist	>1 mg/l/4h

##### Skin corrosion/irritation

Causes skin irritation.

##### Serious eye damage/eye irritation

Causes serious eye damage.

##### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

##### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

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### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sodium olefin sulfonate	68439-57-6	LC50	4.2 mg/l	fish	96 h
Sodium olefin sulfonate	68439-57-6	EC50	4.5 mg/l	aquatic invertebrates	48 h
Sodium olefin sulfonate	68439-57-6	ErC50	5.2 mg/l	algae	72 h
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	LC50	107 mg/l	fish	96 h
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	EC50	30 mg/l	aquatic invertebrates	48 h
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	ErC50	79 mg/l	algae	72 h
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	LC50	101 mg/l	fish	96 h
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	EC50	>100 mg/l	aquatic invertebrates	48 h
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	ErC50	27 mg/l	algae	72 h
lauryl glucoside	110615-47-9	LC50	3 mg/l	fish	96 h
lauryl glucoside	110615-47-9	EC50	7 mg/l	aquatic invertebrates	48 h
lauryl glucoside	110615-47-9	ErC50	12 mg/l	algae	72 h
amines, coco alkyl dimethyl, N-oxides	61788-90-7	LC50	134 mg/l	fish	96 h
amines, coco alkyl dimethyl, N-oxides	61788-90-7	EC50	3.9 mg/l	aquatic invertebrates	48 h
amines, coco alkyl dimethyl, N-oxides	61788-90-7	ErC50	0.86 mg/l	algae	72 h
2-methylpentane-2,4-diol	107-41-5	LC50	9,910 mg/l	fish	96 h
2-methylpentane-2,4-diol	107-41-5	EC50	5,410 mg/l	aquatic invertebrates	48 h
2-methylpentane-2,4-diol	107-41-5	ErC50	>429 mg/l	algae	72 h

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Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sodium olefin sulfonate	68439-57-6	EC50	230 mg/l	microorganisms	3 h
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	EC50	>1,000 mg/l	microorganisms	3 h
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	LC50	3.2 mg/l	fish	28 d
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	EC50	>560 mg/l	microorganisms	6 h
lauryl glucoside	110615-47-9	LC50	3.2 mg/l	fish	28 d
amines, coco alkyldimethyl, N-oxides	61788-90-7	LC50	0.87 mg/l	fish	120 d
amines, coco alkyldimethyl, N-oxides	61788-90-7	EC50	0.88 mg/l	aquatic invertebrates	21 d

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0.1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0.1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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### SECTION 14: Transport information

- 14.1 UN number** not subject to transport regulations
- 14.2 UN proper shipping name** not relevant
- 14.3 Transport hazard class(es)** none
- 14.4 Packing group** not assigned
- 14.5 Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations
- 14.6 Special precautions for user**  
There is no additional information.
- 14.7 Transport in bulk according to IMO instruments**  
The cargo is not intended to be carried in bulk.

#### Information for each of the UN Model Regulations

##### Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Not subject to transport regulations.

##### International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

##### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### National regulations (United States)

##### Toxic Substance Control Act (TSCA)

all ingredients are listed (ACTIVE) or exempt from listing

##### Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

##### Clean Air Act

none of the ingredients are listed

##### Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
water	7732-18-5	solvent	
Sodium olefin sulfonate	68439-57-6	surfactant	
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	surfactant	
lauryl glucoside	110615-47-9	surfactant	
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	surfactant	
amines, coco alkyldimethyl, N-oxides	61788-90-7	surfactant	

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Name of substance	CAS No	Functionality	Authoritative Lists
ammonium alcohol ether sulfate	68037-05-8	surfactant	
2-methylpentane-2,4-diol	107-41-5	humectant	
sodium sulfate	7757-82-6	cleaning agent	
isopropyl alcohol	67-63-0	alcohols	OEHA RELs
benzyl benzoate	120-51-4	fragrance	EU Fragrance Allergens
benzyl benzoate	120-51-4	fragrance	EU Fragrance Allergens
DMBC butyrate	10094-34-5	fragrance	
rosin, hydrogenated, methyl ester	8050-15-5	fragrance	
Terpenes & Terpenoids, grapefruit oil	68917-32-8	fragrance	
diethyl phthalate	84-66-2	fragrance	CDC 4th National Exposure Report CECBP - Priority Chemicals CWA 303(c) CWA 303(d)
diethyl phthalate	84-66-2	fragrance	Nonfunctional constituents
gamma Undecalactone	104-67-6	fragrance	
cyclamen aldehyde	103-95-7	fragrance	
benzyl salicylate	118-58-1	fragrance	
2-(4-tert-butylbenzyl)propionaldehyde	80-54-6	fragrance	EU Fragrance Allergens

### - Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
2-methylpentane-2,4-diol	107-41-5	A	

#### Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

### - Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
2-methylpentane-2,4-diol	107-41-5		F2

#### Legend

F2 Flammable - Second Degree

### - Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
2,4-PENTANEDIOL, 2-METHYL-	107-41-5	

### - Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
2-methylpentane-2,4-diol	107-41-5	T

#### Legend

T Toxicity (ACGIH®)

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### California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

### VOC content

- Regulated Volatile Organic Compounds (VOC-EPA) 0.62 %
- Regulated Volatile Organic Compounds (VOC-Cal ARB) 0.62 %

### Industry or sector specific available guidance(s)

#### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	3	major injury likely unless prompt action is taken and medical treatment is given
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

#### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

### National inventories

Country	Inventory	Status
CA	DSL	all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)
AU	AIC	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
PH	PICCS	all ingredients are listed

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Country	Inventory	Status
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
VN	NCI	not all ingredients are listed

### Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
ISHA-ENCS	Inventory of Existing and New Chemical Substances (ISHA-ENCS)
KECI	Korea Existing Chemicals Inventory
NCI	National Chemical Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information, including date of preparation or last revision

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
ACGIH® 2019	From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: <a href="http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement">http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement</a>
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
Cal ARB	California Air Resources Board
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EPA	Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye



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Abbr.	Descriptions of used abbreviations
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NLP	No-Longer Polymer
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
TLV®	Threshold Limit Values
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

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### **Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.