Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Ethos Foam Party

Version number: GHS 1.0 Date of compilation: 2019-12-13

SECTION 1: Identification

1.1 Product identifier

Trade name **Ethos Foam Party**

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

Relevant identified uses General use

1.3 Details of the supplier of the safety data sheet

Ethos Handcrafted Car Care
2332 La Mirada Drive, Ste 400
Vista CA 92081

1-800-535-5053
http://ethoscarcare.com
support@ethoscarcare.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 state-ment
A.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
A.4S	skin sensitization	1	Skin Sens. 1	H317
B.6	flammable liquid	4	Flam. Liq. 4	H227

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

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

- Signal word danger
- Pictograms

GHS05, GHS07

- Hazard statements

H227 Combustible liquid.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

- Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing must not be allowed out of the workplace.
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).
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling: Orange oil, sweet, sodium laureth sulfate, sodium n-lauroylsarcosinate

2.3 Other hazards

This material is combustible, but will not ignite readily.

Hazards not otherwise classified

Contains Orange oil, sweet. May produce an allergic reaction.
May be harmful if inhaled (GHS category 5: acutely toxic - inhalation).
Harmful to aquatic life with long lasting effects (GHS category 3: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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
cocamidopropylhydroxysultaine	CAS No 68139-30-0	3 – < 12	Eye Irrit. 2A / H319
sodium laureth sulfate	CAS No 9004-82-4 68891-38-3 15826-16-1	3 – < 12	Acute Tox. 4 / H312 Skin Irrit. 2 / H315 Eye Dam. 1 / H318
dipropylene glycol monomethyl ether	CAS No 34590-94-8	3 – < 12	Flam. Liq. 4 / H227
Propan-2-ol	CAS No 67-63-0	1 – < 3	Eye Irrit. 2 / H319 STOT SE 3 / H336 Flam. Liq. 2 / H225
2-methylpentane-2,4-diol	CAS No 107-41-5	1 – < 3	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319
sodium n-lauroylsarcosinate	CAS No 137-16-6	1 – < 3	Acute Tox. 2 / H330 Skin Irrit. 2 / H315 Eye Dam. 1 / H318
Orange oil, sweet	CAS No 8008-57-9 8028-48-6 68647-72-3	0.1 – < 1	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226

Hazardous ingredients, Consideration of other advice

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. Provide fresh air.

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 (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

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.

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.

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. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

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 feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

Control of the effects

Protect against external exposure, such as

Frost

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

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/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	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
US	(2-methoxymethylethoxy)propanol	34590-94-8	TLV®	100		150					ACGIH® 2019
US	dipropylene glycol methyl ether	34590-94-8	PEL (CA)	100	600	150	900				Cal/OSHA PEL
US	dipropylene glycol methyl ether	34590-94-8	REL	100 (10 h)	600 (10 h)	150	900				NIOSH REL
US	dipropylene glycol methyl ether	34590-94-8	PEL	100	600						29 CFR 1910.1000
US	2-propanol	67-63-0	TLV®	200		400					ACGIH® 2019
US	isopropyl alcohol	67-63-0	PEL (CA)	400	980	500	1,225				Cal/OSHA PEL
US	isopropyl alcohol	67-63-0	REL	400 (10 h)	980 (10 h)	500	1,225				NIOSH REL
US	isopropyl alcohol	67-63-0	PEL	400	980						29 CFR 1910.1000

Notation

aerosol	as aerosols
Ceiling-C	ceiling value is a limit value above which exposure should not occur
i	inhalable fraction

Notation

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

Biological limit values

Country	Name of agent	Parameter	Notation	Identifier	Value	Source
US	isopropanol	acetone		BEI®	40 mg/l	ACGIH® 2019

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	DNEL	175 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	DNEL	2,750 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	DNEL	132 µg/cm²	human, dermal	worker (industry)	chronic - local effects
dipropylene glycol monomethyl ether	34590-94-8	DNEL	950 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
dipropylene glycol monomethyl ether	34590-94-8	DNEL	404 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Propan-2-ol	67-63-0	DNEL	888 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Propan-2-ol	67-63-0	DNEL	500 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-methylpentane-2,4-diol	107-41-5	DNEL	44.4 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-methylpentane-2,4-diol	107-41-5	DNEL	49 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
2-methylpentane-2,4-diol	107-41-5	DNEL	98 mg/m³	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
sodium n-lauroylsarcosinate	137-16-6	DNEL	5 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
sodium n-lauroylsarcosinate	137-16-6	DNEL	5 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	DNEL	8.89 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	DNEL	31.1 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	DNEL	185.8 µg/cm²	human, dermal	worker (industry)	acute - local effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	PNEC	0.24 mg/l	aquatic organisms	freshwater	short-term (single instance)
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	PNEC	0.024 mg/l	aquatic organisms	marine water	short-term (single instance)
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	PNEC	10 g/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	PNEC	0.917 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	PNEC	0.092 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	PNEC	7.5 mg/kg	terrestrial organisms	soil	short-term (single instance)
dipropylene glycol monomethyl ether	34590-94-8	PNEC	4,168 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
dipropylene glycol monomethyl ether	34590-94-8	PNEC	19.2 mg/l	aquatic organisms	freshwater	short-term (single instance)
dipropylene glycol monomethyl ether	34590-94-8	PNEC	1.92 mg/l	aquatic organisms	marine water	short-term (single instance)
dipropylene glycol monomethyl ether	34590-94-8	PNEC	4,168 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
dipropylene glycol monomethyl ether	34590-94-8	PNEC	2.2 mg/kg	terrestrial organisms	soil	short-term (single instance)
dipropylene glycol monomethyl ether	34590-94-8	PNEC	192 mg/l	aquatic organisms	water	intermittent release
Propan-2-ol	67-63-0	PNEC	140.9 mg/l	aquatic organisms	freshwater	short-term (single instance)
Propan-2-ol	67-63-0	PNEC	140.9 mg/l	aquatic organisms	marine water	short-term (single instance)
Propan-2-ol	67-63-0	PNEC	2,251 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
Propan-2-ol	67-63-0	PNEC	552 mg/kg	benthic organisms	sediment	short-term (single instance)
Propan-2-ol	67-63-0	PNEC	552 mg/kg	pelagic organisms	sediment	short-term (single instance)
Propan-2-ol	67-63-0	PNEC	160 mg/kg	(top) predators	water	short-term (single instance)
Propan-2-ol	67-63-0	PNEC	28 mg/kg	terrestrial organisms	soil	short-term (single instance)
Propan-2-ol	67-63-0	PNEC	140.9 mg/l	aquatic organisms	water	intermittent release
2-methylpentane-2,4-diol	107-41-5	PNEC	0.429 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)

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
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	1.59 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	0.159 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)
sodium n-lauroylsarcosinate	137-16-6	PNEC	0.0297 mg/l	aquatic organisms	freshwater	short-term (single instance)
sodium n-lauroylsarcosinate	137-16-6	PNEC	10 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
sodium n-lauroylsarcosinate	137-16-6	PNEC	0.034 mg/kg	benthic organisms	sediment	short-term (single instance)
sodium n-lauroylsarcosinate	137-16-6	PNEC	0.0034 mg/kg	pelagic organisms	sediment	short-term (single instance)
sodium n-lauroylsarcosinate	137-16-6	PNEC	0.012 mg/kg	terrestrial organisms	soil	short-term (single instance)
sodium n-lauroylsarcosinate	137-16-6	PNEC	0.297 mg/l	aquatic organisms	water	intermittent release
sodium n-lauroylsarcosinate	137-16-6	PNEC	0.003 mg/l	aquatic organisms	marine water	short-term (single instance)
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	PNEC	5.4 µg/l	aquatic organisms	freshwater	short-term (single instance)
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	PNEC	0.54 µg/l	aquatic organisms	marine water	short-term (single instance)
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	PNEC	2.1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	PNEC	1.3 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	PNEC	0.13 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	PNEC	44.44 mg/kg	aquatic organisms	water	short-term (single instance)
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	PNEC	0.261 mg/kg	terrestrial organisms	soil	short-term (single instance)
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	PNEC	5.77 µg/l	aquatic organisms	water	intermittent release

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	golden yellow
Odor	fruity

Other safety parameters

pH (value)	7 – 8
Melting point/freezing point	not determined
Initial boiling point and boiling range	82.5 °C
Flash point	70 °C at 101.3 kPa closed cup
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)

Explosive limits

- Lower explosion limit (LEL)	1.1 vol%
- Upper explosion limit (UEL)	3 vol%

Vapor pressure	4.3 kPa at 20 °C
Density	not determined
Vapor density	this information is not available
Relative density	information on this property is not available

Solubility(ies)

- Water solubility	miscible in any proportion

Partition coefficient

- n-octanol/water (log KOW)	this information is not available

Auto-ignition temperature	270 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

Temperature class (USA, acc. to NEC 500)	T2B (maximum permissible surface temperature on the equipment: 260°C)

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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.

GHS of the United Nations, annex 4: May be harmful if inhaled.

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	dermal	≥2,000 $^{mg}/_{kg}$
sodium n-lauroylsarcosinate	137-16-6	inhalation: vapor	0.5 $^{mg}/_{l}$/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
Propan-2-ol	67-63-0	3	

Legend

3 Not classifiable as to carcinogenicity in humans

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).

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

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
cocamidopropylhydroxysultaine	68139-30-0	LC50	1.7 – 2 mg/l	algae	72 h
cocamidopropylhydroxysultaine	68139-30-0	LC50	1.7 – 2 mg/l	daphnia	48 h
cocamidopropylhydroxysultaine	68139-30-0	LC50	1.7 – 2 mg/l	fish	96 h
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	LC50	7.1 mg/l	fish	96 h
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	EC50	7.2 mg/l	aquatic invertebrates	48 h
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	ErC50	27 mg/l	algae	72 h
dipropylene glycol monomethyl ether	34590-94-8	LC50	>150 mg/l	fish	72 h
dipropylene glycol monomethyl ether	34590-94-8	ErC50	>969 mg/l	algae	72 h
Propan-2-ol	67-63-0	LC50	10,000 mg/l	fish	96 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
sodium n-lauroylsarcosinate	137-16-6	EC50	107 mg/l	fish	96 h
sodium n-lauroylsarcosinate	137-16-6	LC50	29.7 mg/l	aquatic invertebrates	48 h
sodium n-lauroylsarcosinate	137-16-6	ErC50	79 mg/l	algae	72 h
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	LL50	5.65 mg/l	fish	96 h
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	EL50	1.4 mg/l	aquatic invertebrates	24 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	EC50	0.37 $^{mg}/_{l}$	aquatic invertebrates	21 d
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	LC50	0.74 $^{mg}/_{l}$	aquatic invertebrates	21 d
Propan-2-ol	67-63-0	LC50	>10,000 $^{mg}/_{l}$	aquatic invertebrates	24 h
sodium n-lauroylsarcos-inate	137-16-6	EC50	>1,000 $^{mg}/_{l}$	microorganisms	3 h

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

Data are not available.

12.6 Other adverse effects

Endocrine disrupting potential

None of the ingredients are listed.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

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.

SECTION 14: Transport information

14.1	**UN number**	not subject to transport regulations
14.2	**UN proper shipping name**	not assigned
14.3	**Transport hazard class(es)**	not assigned
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 Annex II of MARPOL and the IBC Code

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)

Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)

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

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name acc. to inventory	**CAS No**	**Remarks**	**Effective date**
isopropyl alcohol	67-63-0	only persons who manufacture by the strong acid process are subject, supplier notification not required	1986-12-31

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	carrier fluid / dissolver	
ammonium alcohol ether sulfate	68037-05-8	surfactant	
cocamidopropylhydroxysultaine	68139-30-0	surfactant	
sodium laureth sulfate	9004-82-4 68891-38-3 15826-16-1	surfactant	
dipropylene glycol monomethyl ether	34590-94-8	surfactant	
Propan-2-ol	67-63-0	alcohols	OEHHA RELs
2-methylpentane-2,4-diol	107-41-5	humectant	
sodium n-lauroylsarcosinate	137-16-6	surfactant	
sodium chloride	7647-14-5	viscosity modifier	
Orange oil, sweet	8008-57-9 8028-48-6 68647-72-3	fragrance	
polyethylene oxide lauryl ether	9002-92-0	surfactant	

Name of substance	CAS No	Functionality	Authoritative Lists
isoamyl butyrate	106-27-4	fragrance	
benzyl benzoate	120-51-4	fragrance	EU Fragrance Allergens
Allyl hexanoate	123-68-2	fragrance	
ethyl butyrate	105-54-4	fragrance	
C.I. Acid Yellow 23, trisodium salt	1934-21-0	colorant	
benzaldehyde	100-52-7	fragrance	
d-limonene	5989-27-5	fragrance	EU Fragrance Allergens
ethyl isovalerate	108-64-5	fragrance	
lime terpenes	68917-71-5 90063-52-8	fragrance	
Terpenes & Terpenoids, grapefruit oil	68917-32-8	fragrance	
ethyl vanillin	121-32-4	fragrance	
amyl acetate	628-63-7	fragrance	
Vanillin	121-33-5	fragrance	
alpha terpineol	98-55-5	fragrance	
Lime oil	8008-26-2 68917-71-5 90063-52-8	fragrance	
gamma Undecalactone	104-67-6	fragrance	
2-methylbutyl acetate	624-41-9	fragrance	
Decanal	112-31-2	fragrance	
cyclamen aldehyde	103-95-7	fragrance	
benzyl salicylate	118-58-1	fragrance	

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Propan-2-ol	67-63-0				1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
dipropylene glycol monomethyl ether	34590-94-8	A, O	
Propan-2-ol	67-63-0	A, N, O	
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

N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer

O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
dipropylene glycol monomethyl ether	34590-94-8		F2
Propan-2-ol	67-63-0		F3
2-methylpentane-2,4-diol	107-41-5		F2

Legend
F2 Flammable - Second Degree
F3 Flammable - Third Degree

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

Name of substance	CAS No	Classification
dipropylene glycol monomethyl ether	34590-94-8	
Propan-2-ol	67-63-0	E
2-methylpentane-2,4-diol	107-41-5	

Legend
E Environmental hazard

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
dipropylene glycol monomethyl ether	34590-94-8	T
Propan-2-ol	67-63-0	T, F
2-methylpentane-2,4-diol	107-41-5	T

Legend
F Flammability (NFPA®)
T Toxicity (ACGIH®)

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

Proposition 65 List of chemicals

Name of substance	Name acc. to inventory	CAS No	Wt%	Remarks	Type of the toxicity
ethyl alcohol	ethanol (ethyl alcohol)	64-17-5	0.00476	in alcoholic beverages	developmental
ethylene oxide	ethylene oxide	75-21-8	0.00001851		cancer
ethylene oxide	ethylene oxide	75-21-8	0.00001851		female
ethylene oxide	ethylene oxide	75-21-8	0.00001851		developmental, male
1,4-dioxane	1,4-dioxane	123-91-1	0.0001851		cancer

VOC content

Regulated Volatile Organic Compounds (VOC-EPA): 7.808 %
Regulated Volatile Organic Compounds (VOC-Cal ARB): 7.827 %

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	3	major injury likely unless prompt action is taken and medical treatment is given
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures 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	2	material that must be moderately heated or exposed to relatively high ambient temperatures 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

Legend

DSL	Domestic Substances List (DSL)
REACH Reg.	REACH registered substances
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
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
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®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
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
DEP CODE	Department of Environmental Protection Code
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
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
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
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HHS	Higher hazard substance
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
LHS	Lower hazard substance
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA®	National Fire Protection Association (United States)
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
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
PEL	Permissible exposure limit
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)

Abbr.	Descriptions of used abbreviations
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
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 chapter 2 and 3)

Code	Text
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H336	May cause drowsiness or dizziness.

Disclaimer

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