Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Mega Foam

Version number: GHS 11.0
Replaces version of: 2024-11-13 (GHS 10)

Revision: 2024-11-22

SECTION 1: Identification

1.1 Product identifier

Trade name **Adam's Mega Foam**

ADP250-01

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

Relevant identified uses Professional use
Industrial use

HS code 3402.39.90
.

1.3 Details of the supplier of the safety data sheet

Adam's Polishes Inc.
8225 North Valley Hwy.
Thornton CO 80221
720-484-5059

tips@adamspolishes.com
www.adamspolishes.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	Hazard class and category	Hazard statement
A.2	skin corrosion/irritation	Skin Irrit. 2	H315
A.3	serious eye damage/eye irritation	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.

- Hazardous ingredients for labelling: D-Glucopyranose, oligomers, decyl octyl glycosides, sodium [dodecanoyl(methyl)amino]acetate, Dimethyldodecylamine-N-oxide, ammonium alcohol ether sulfate

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0.1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Hazardous ingredients acc. to GHS

Name of substance	Identifier	Wt%	Classification acc. to GHS
Sodium C14-16 olefin sulfonate	CAS No 68439-57-6	10 – < 30	Skin Irrit. 2 / H315 Eye Dam. 1 / H318
D-Glucopyranose, oligomers, decyl octyl glycosides	CAS No 68515-73-1	5 – < 10	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
Dimethyldodecylamine-N-oxide	CAS No 1643-20-5	1 – < 5	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318
ammonium alcohol ether sulfate	CAS No 68037-05-8	1 – < 5	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

Remarks

For full text of abbreviations: see SECTION 16. Exact percentage of ingredients is withheld as a trade secret.

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.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion

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

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

5.2 Special hazards arising from the substance or mixture

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

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. 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 feedingstuffs.

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/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

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)

Notation

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

Relevant DNELs of components

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Sodium C14-16 olefin sulfonate	68439-57-6	DNEL	152 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Sodium C14-16 olefin sulfonate	68439-57-6	DNEL	2,158 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	DNEL	420 mg/m³	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
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	DNEL	5 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	DNEL	71 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	DNEL	20 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
lauryl glucoside	110615-47-9	DNEL	420 mg/m³	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
Dimethyldodecylamine-N-oxide	1643-20-5	DNEL	6.2 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Dimethyldodecylamine-N-oxide	1643-20-5	DNEL	11 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-methylpentane-2,4-diol	107-41-5	DNEL	44 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

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Sodium C14-16 olefin sulfonate	68439-57-6	PNEC	0.024 mg/l	aquatic organisms	freshwater	short-term (single instance)
Sodium C14-16 olefin sulfonate	68439-57-6	PNEC	0.002 mg/l	aquatic organisms	marine water	short-term (single instance)
Sodium C14-16 olefin sulfonate	68439-57-6	PNEC	4 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Sodium C14-16 olefin sulfonate	68439-57-6	PNEC	0.77 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Sodium C14-16 olefin sulfonate	68439-57-6	PNEC	0.077 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Sodium C14-16 olefin sulfonate	68439-57-6	PNEC	1.2 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)
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)
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	PNEC	10 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
sodium [do-	137-16-6	PNEC	0.034 mg/kg	benthic organisms	sediment	short-term (single

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
decanoyl(methyl)amino]acetate						instance)
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	PNEC	0.0034 mg/kg	pelagic organisms	sediment	short-term (single instance)
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	PNEC	0.3 mg/l	aquatic organisms	water	intermittent release
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	PNEC	0.009 mg/l	aquatic organisms	freshwater	short-term (single instance)
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	PNEC	0.001 mg/l	aquatic organisms	marine water	short-term (single instance)
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	PNEC	3 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	PNEC	0.064 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	PNEC	0.006 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
sodium [do-decanoyl(methyl)amino]acetate	137-16-6	PNEC	0.008 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)

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Dimethyldodecylamine-N-oxide	1643-20-5	PNEC	0.034 mg/l	aquatic organisms	freshwater	short-term (single instance)
Dimethyldodecylamine-N-oxide	1643-20-5	PNEC	0.003 mg/l	aquatic organisms	marine water	short-term (single instance)
Dimethyldodecylamine-N-oxide	1643-20-5	PNEC	24 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Dimethyldodecylamine-N-oxide	1643-20-5	PNEC	5.2 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Dimethyldodecylamine-N-oxide	1643-20-5	PNEC	0.52 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Dimethyldodecylamine-N-oxide	1643-20-5	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.

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	scarlet red

Particle	not relevant (liquid)

Odor	fruity and sweet

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
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	32 hPa at 25 °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	
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none
	there is no additional information

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

Name of substance	CAS No	Exposure route	ATE
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	inhalation: dust/mist	>1 mg/l/4h
Dimethyldodecylamine-N-oxide	1643-20-5	oral	500 mg/kg

Acute toxicity of components

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Sodium C14-16 olefin sulfonate	68439-57-6	oral	LD50	2,290 mg/kg	rat
Sodium C14-16 olefin sulfonate	68439-57-6	inhalation: dust/mist	LC50	>52 mg/l/4h	rat
Sodium C14-16 olefin sulfonate	68439-57-6	dermal	LD50	6,300 mg/kg	rabbit
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	oral	LD50	>2,000 mg/kg	rat
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	dermal	LD50	>2,000 mg/kg	rabbit
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	oral	LD50	>5,000 mg/kg	rat

Acute toxicity of components

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
lauryl glucoside	110615-47-9	oral	LD50	>5,000 mg/kg	rat
lauryl glucoside	110615-47-9	dermal	LD50	>2,000 mg/kg	rabbit
2-methylpentane-2,4-diol	107-41-5	oral	LD50	4,700 mg/kg	rat
2-methylpentane-2,4-diol	107-41-5	oral	LD50	3,200 mg/kg	rabbit
2-methylpentane-2,4-diol	107-41-5	oral	LD50	2,800 mg/kg	guinea pig
2-methylpentane-2,4-diol	107-41-5	oral	LD50	3,900 mg/kg	mouse

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).

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

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sodium C14-16 olefin sulfonate	68439-57-6	LC50	4.2 mg/l	fish	96 h
Sodium C14-16 olefin sulfonate	68439-57-6	EC50	4.5 mg/l	aquatic invertebrates	48 h
Sodium C14-16 olefin sulfonate	68439-57-6	ErC50	5.2 mg/l	algae	72 h
D-Glucopyranose, oligomers, decyl octyl	68515-73-1	LC50	101 mg/l	fish	96 h

Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
glycosides					
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
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
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
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

Aquatic toxicity (chronic) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sodium C14-16 olefin sulfonate	68439-57-6	EC50	230 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
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	EC50	>1,000 mg/l	microorganisms	3 h
lauryl glucoside	110615-47-9	LC50	3.2 mg/l	fish	28 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 at a concentration of ≥ 0.1%.

12.6 Endocrine disrupting properties
Does not contain an endocrine disruptor (ED) in a concentration of ≥ 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.

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)

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)

- 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 C14-16 olefin sulfonate	68439-57-6	surfactant	
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	surfactant	
sodium [dodecanoyl(methyl)amino]acetate	137-16-6	surfactant	
lauryl glucoside	110615-47-9	surfactant	
Dimethyldodecylamine-N-oxide	1643-20-5	surfactant	
ammonium alcohol ether sulfate	68037-05-8	surfactant	
2-methylpentane-2,4-diol	107-41-5	humectant	
sodium sulfate	7757-82-6	cleaning agent	
N,N-dimethyltetradecylamine N-oxide	3332-27-2	surfactant	
isopropyl alcohol	67-63-0	alcohols	OEHHA RELs
alcohols, C6-12, ethoxylated	68439-45-2		
d-limonene	5989-27-5		EU Fragrance Allergens
C.I. Acid Red 18	2611-82-7	colorant	
eugenol	97-53-0	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®)

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

Proposition 65 List of chemicals				
Name acc. to inventory	**CAS No**	**Wt%**	**Remarks**	**Type of the toxicity**
1,4-dioxane	123-91-1	0.000098		cancer

VOC content

- Regulated Volatile Organic Compounds (VOC-EPA) 0.43 %
- Regulated Volatile Organic Compounds (VOC-Cal ARB) 0.43 %

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	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	-	

Chronic: chronic hazard
Flammability: flammability hazards
Health: health hazard

Personal protection:	personal protective equipment (PPE) for normal use
Physical hazard:	reactivity

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	AIIC	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	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
VN	NCI	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

Legend

TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

Additional information

The contained substances are listed in the following national inventories:
AICS (Australia)
DSL/NDSL (Canada)
IECSC (China)
KECL (Republic of Korea)
NZIoC (New Zealand)
PICCS (Philippines)
TCSI (Taiwan)
TSCA (United States)

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

Indication of changes (revised safety data sheet)

Alignment to regulation: Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").
Restructuring: section 9, section 14

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
9.1	Density: 1.1 $^{g}/_{ml}$	Density: not determined	yes
9.1		Relative density: Information on this property is not available	yes
11.1		Acute toxicity of components: change in the listing (table)	yes
16		Abbreviations and acronyms: change in the listing (table)	yes

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®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
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)

Abbr.	Descriptions of used abbreviations
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
ED	Endocrine disruptor
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
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HS	Harmonized Commodity Description and Coding System (Harmonized System, drawn up by the World Customs Organisation)
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
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose 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.

Disclaimer

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