



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Podium Series Wheel and Tire Cleaner

Version number: 5.0
Replaces version of: 2025-07-11 (4)

Revision: 2025-08-25

SECTION 1: Identification

1.1 Product identifier

Trade name **Armor All Podium Series Wheel and Tire Cleaner**
Alternative number(s) 070612002976, 067788100230

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

Energizer Manufacturing, Inc.
25225 Detroit Rd.
Westlake OH 44145
United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)
e-mail: Autocare.regulatory@energizer.com
Website: <https://data.energizer.com>

1.4 Emergency telephone number

Emergency information service FOR EMERGENCY in USA & Canada CALL +1 800 255-3924 / For International CALL +1 813 248 0585
This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

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.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
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 warning

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- Pictograms

GHS07



- Hazard statements

H227 Combustible liquid.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

- Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. 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/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.
P321 Specific treatment (see on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
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 national regulations.

- Hazardous ingredients for labelling

Cocamidopropyl betaine, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

2.3 Other hazards

Hazards not otherwise classified

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).
Causes mild skin irritation (GHS category 3: irritant to skin).

Results of PBT and vPvB assessment

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

Endocrine disrupting properties

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)








3.2 Mixtures

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Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Diethylene glycol monobutyl ether	CAS No 112-34-5	10 - < 25	Eye Irrit. 2 / H319	
Diethylene glycol mono-hexyl ether	CAS No 112-59-4	1 - < 5	Acute Tox. 4 / H312 Eye Dam. 1 / H318	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	CAS No 68439-57-6	1 - < 5	Skin Irrit. 2 / H315 Eye Dam. 1 / H318	
Cocamidopropyl betaine	CAS No 61789-40-0	1 - < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317	
Sodium Carbonate	CAS No 497-19-8 6132-02-1	1 - < 5	Eye Irrit. 2 / H319	
hexan-1-ol	CAS No 111-27-3	1 - < 5	Acute Tox. 4 / H302 Acute Tox. 4 / H312 Acute Tox. 1 / H330 Eye Irrit. 2 / H319 Flam. Liq. 3 / H226	
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS No 55965-84-9	< 1	Acute Tox. 4 / H302 Acute Tox. 3 / H311 Acute Tox. 4 / H332 Skin Corr. 1C / H314 Eye Dam. 1 / H318 Skin Sens. 1A / H317	

Remarks

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.



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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, 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 (NO_x), 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. 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.



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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



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Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
US	diethylene glycol monobutyl ether	112-34-5	TLV®	10	67.5					iv	AC-GIH® 2025

Notation

- Ceiling-C ceiling value is a limit value above which exposure should not occur
- iv inhalable fraction and vapor
- 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)

Relevant DNELs of components

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Diethylene glycol monobutyl ether	112-34-5	DNEL	67.5 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Diethylene glycol monobutyl ether	112-34-5	DNEL	83 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Diethylene glycol monobutyl ether	112-34-5	DNEL	67.5 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Diethylene glycol monobutyl ether	112-34-5	DNEL	101.2 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	DNEL	152.2 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	DNEL	2,158 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Diethylene glycol monohexyl ether	112-59-4	DNEL	16.3 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Diethylene glycol monohexyl ether	112-59-4	DNEL	50 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Cocamidopropyl betaine	61789-40-0	DNEL	8.22 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Cocamidopropyl betaine	61789-40-0	DNEL	2.33 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects



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Relevant DNELs of components

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
hexan-1-ol	111-27-3	DNEL	99 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
hexan-1-ol	111-27-3	DNEL	210 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
hexan-1-ol	111-27-3	DNEL	28 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
hexan-1-ol	111-27-3	DNEL	190 µg/cm ²	human, dermal	worker (industry)	chronic - local effects
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	DNEL	0.02 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	DNEL	0.04 mg/m ³	human, inhalatory	worker (industry)	acute - local effects

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Diethylene glycol monobutyl ether	112-34-5	PNEC	200 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Diethylene glycol monobutyl ether	112-34-5	PNEC	1.1 mg/l	aquatic organisms	freshwater	short-term (single instance)
Diethylene glycol monobutyl ether	112-34-5	PNEC	0.11 mg/l	aquatic organisms	marine water	short-term (single instance)
Diethylene glycol monobutyl ether	112-34-5	PNEC	4.4 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Diethylene glycol monobutyl ether	112-34-5	PNEC	0.44 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Diethylene glycol monobutyl ether	112-34-5	PNEC	0.32 mg/kg	terrestrial organisms	soil	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	0.024 mg/l	aquatic organisms	freshwater	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene,	68439-57-6	PNEC	0.002 mg/l	aquatic organisms	marine water	short-term (single instance)



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Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
sodium salts						
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	4 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	0.767 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	0.077 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	1.21 mg/kg	terrestrial organisms	soil	short-term (single instance)
Diethylene glycol monohexyl ether	112-59-4	PNEC	1.963 mg/l	aquatic organisms	freshwater	short-term (single instance)
Diethylene glycol monohexyl ether	112-59-4	PNEC	0.196 mg/l	aquatic organisms	marine water	short-term (single instance)
Diethylene glycol monohexyl ether	112-59-4	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Diethylene glycol monohexyl ether	112-59-4	PNEC	10.7 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Diethylene glycol monohexyl ether	112-59-4	PNEC	1.07 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Diethylene glycol monohexyl ether	112-59-4	PNEC	0.995 mg/kg	terrestrial organisms	soil	short-term (single instance)
Cocamidopropyl betaine	61789-40-0	PNEC	3.2 µg/l	aquatic organisms	freshwater	short-term (single instance)
Cocamidopropyl betaine	61789-40-0	PNEC	0.32 µg/l	aquatic organisms	marine water	short-term (single instance)
Cocamidopropyl betaine	61789-40-0	PNEC	300 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Cocamidopropyl betaine	61789-40-0	PNEC	0.219 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Cocamidopropyl betaine	61789-40-0	PNEC	21.9 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
Cocamidopropyl betaine	61789-40-0	PNEC	41.9 µg/kg	terrestrial organisms	soil	short-term (single instance)
hexan-1-ol	111-27-3	PNEC	62 mg/l	aquatic organ-	sewage treatment	short-term (single



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Relevant PNECs of components						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
				isms	plant (STP)	instance)
hexan-1-ol	111-27-3	PNEC	1.4 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
hexan-1-ol	111-27-3	PNEC	0.14 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
hexan-1-ol	111-27-3	PNEC	0.26 mg/l	aquatic organisms	freshwater	short-term (single instance)
hexan-1-ol	111-27-3	PNEC	0.026 mg/l	aquatic organisms	marine water	short-term (single instance)
hexan-1-ol	111-27-3	PNEC	0.12 mg/kg	terrestrial organisms	soil	short-term (single instance)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	PNEC	3.39 µg/l	aquatic organisms	freshwater	short-term (single instance)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	PNEC	3.39 µg/l	aquatic organisms	marine water	short-term (single instance)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	PNEC	0.23 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	PNEC	0.027 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	PNEC	0.027 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	PNEC	0.01 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.



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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	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	5 – 8
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	>60 °C
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)

Explosive limits

- Lower explosion limit (LEL)	0 vol%
- Upper explosion limit (UEL)	0 vol%



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Vapor pressure	3.64 mbar at 38 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	210 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

9.2 Other information

Temperature class (USA, acc. to NEC 500)	T3 (maximum permissible surface temperature on the equipment: 200°C)
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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



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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

Based on available data, the classification criteria are not met.
GHS of the United Nations, annex 4: May be harmful if inhaled.

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
Diethylene glycol monobutyl ether	112-34-5	oral	2,410 mg/kg
Diethylene glycol monobutyl ether	112-34-5	dermal	2,764 mg/kg
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	oral	2,290 mg/kg
Diethylene glycol monoethyl ether	112-59-4	dermal	1,100 mg/kg
hexan-1-ol	111-27-3	oral	3,210 mg/kg
hexan-1-ol	111-27-3	dermal	>1,500 mg/kg
hexan-1-ol	111-27-3	inhalation: vapor	>0.237 mg/l/4h
hexan-1-ol	111-27-3	inhalation: dust/mist	>10.5 mg/l/4h
Sodium Carbonate	497-19-8 6132-02-1	oral	2,800 mg/kg
Sodium Carbonate	497-19-8 6132-02-1	dermal	>2,000 mg/kg
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	oral	457 mg/kg
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	dermal	660 mg/kg
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	inhalation: vapor	11 mg/l/4h
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	inhalation: dust/mist	2.36 mg/l/4h

Skin corrosion/irritation

Based on available data, the classification criteria are not met.



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Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

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
Diethylene glycol monobutyl ether	112-34-5	LC50	1,300 mg/l	fish	96 h
Diethylene glycol monobutyl ether	112-34-5	EC50	>100 mg/l	aquatic invertebrates	48 h
Diethylene glycol monobutyl ether	112-34-5	ErC50	>100 mg/l	algae	96 h
Diethylene glycol monobutyl ether	112-34-5	NOEC	≥100 mg/l	aquatic invertebrates	48 h
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	LC50	4.2 mg/l	fish	96 h
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	EC50	4.53 mg/l	aquatic invertebrates	48 h
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium	68439-57-6	ErC50	5.2 mg/l	algae	72 h



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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
salts					
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	NOEC	3.2 mg/l	algae	72 h
Diethylene glycol monoethyl ether	112-59-4	LC50	200 mg/l	fish	96 h
Diethylene glycol monoethyl ether	112-59-4	EC50	>100 mg/l	aquatic invertebrates	48 h
Diethylene glycol monoethyl ether	112-59-4	ErC50	198.3 mg/l	algae	72 h
Cocamidopropyl betaine	61789-40-0	LC50	2 mg/l	fish	96 h
Cocamidopropyl betaine	61789-40-0	EC50	6.4 mg/l	aquatic invertebrates	48 h
hexan-1-ol	111-27-3	LC50	97.5 mg/l	fish	96 h
hexan-1-ol	111-27-3	LL50	>0.7 mg/l	fish	96 h
hexan-1-ol	111-27-3	EC50	201 mg/l	aquatic invertebrates	24 h
hexan-1-ol	111-27-3	EL50	0.3 mg/l	aquatic invertebrates	48 h
hexan-1-ol	111-27-3	ErC50	79.7 mg/l	algae	72 h
hexan-1-ol	111-27-3	NOEC	≥1 mg/l	fish	96 h
hexan-1-ol	111-27-3	LOEC	3.1 mg/l	aquatic invertebrates	48 h
hexan-1-ol	111-27-3	NOELR	0.03 mg/l	algae	72 h
Sodium Carbonate	497-19-8 6132-02-1	LC50	300 mg/l	fish	96 h
Sodium Carbonate	497-19-8 6132-02-1	EC50	227 mg/l	aquatic invertebrates	48 h
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	LC50	0.19 mg/l	fish	96 h
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	EC50	0.16 mg/l	aquatic invertebrates	48 h
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-	55965-84-9	ErC50	19.9 µg/l	algae	72 h



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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
methyl-2H-isothiazol-3-one (3:1)					
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	NOEC	0.13 mg/l	fish	96 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	EC50	230 mg/l	microorganisms	3 h
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	NOEC	6.3 mg/l	aquatic invertebrates	21 d
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	LOEC	20 mg/l	aquatic invertebrates	21 d
Diethylene glycol monoethyl ether	112-59-4	NOEC	1,000 mg/l	microorganisms	30 min
Cocamidopropyl betaine	61789-40-0	NOEC	0.16 mg/l	fish	28 d
Cocamidopropyl betaine	61789-40-0	LOEC	0.5 mg/l	fish	28 d
hexan-1-ol	111-27-3	LC50	3.4 mg/l	fish	120 h
hexan-1-ol	111-27-3	EC50	>47.6 µg/l	aquatic invertebrates	21 d
hexan-1-ol	111-27-3	NOEC	>140 µg/l	fish	35 d
hexan-1-ol	111-27-3	LOEC	0.54 mg/l	fish	33 d
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	LC50	0.07 mg/l	fish	14 d
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-	55965-84-9	EC50	>0.18 mg/l	aquatic invertebrates	21 d

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Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
one (3:1)					
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	ErC50	45.6 µg/l	algae	120 h
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	NOEC	≥46.4 µg/l	fish	35 d
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	LOEL	0.06 mg/l	fish	36 d
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	LOEC	0.144 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

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

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information



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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

DOT

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)

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	solvents	
Diethylene glycol monobutyl ether		solvents	CA TACs



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Name of substance	CAS No	Functionality	Authoritative Lists
Diethylene glycol monoethyl ether	112-59-4		
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	cleaning agent	
Cocamidopropyl betaine	61789-40-0	surfactant	
Sodium Bicarbonate	144-55-8	foaming agent	
Sodium Carbonate	497-19-8 6132-02-1	cleaning agent	
hexan-1-ol	111-27-3	fragrance	
Salt	7647-14-5	preservative	
Sodium sulfate	7757-82-6	filler	
Tetrasodium ethylenediamine tetraacetate	64-02-8	chelating agent	
Alkenes, C>10 alpha	64743-02-8	surfactant	
Glycerol	56-81-5	solvents	
1,2-Benzisothiazolin-3-one	2634-33-5	preservative	
Triethylene glycol monoethyl ether			CA TACs
Non-hazardous ingredients	Mixture	miscellaneous	
Hexoxyethanol	112-25-4		
Triethylene glycol	112-27-6	solvents	
Hexyl cinnamaldehyde	101-86-0	fragrance	EU Fragrance Allergens
diethylene glycol	111-46-6	solvents	
sodium hydroxide	1310-73-2	pH Adjuster	OEHHA RELs
Sodium Glycolate	2836-32-0	gelling agent	
Dihydromyrcenol	18479-58-8	fragrance	
Linalool	78-70-6	fragrance	EU Fragrance Allergens

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Diethylene glycol monoethyl ether		1022			1.0 %
Diethylene glycol monobutyl ether		1022			1.0 %



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- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Diethylene glycol monoethyl ether	112-59-4		
Diethylene glycol monobutyl ether			
hexan-1-ol	111-27-3		F2

Legend

F2 Flammable - Second Degree

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

Name acc. to inventory	CAS No	Classification
GLYCOL ETHERS		E
GLYCOL ETHERS		E
1-HEXANOL	111-27-3	

Legend

E Environmental hazard

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
hexan-1-ol	111-27-3	F

Legend

F Flammability (NFPA®)

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	Remarks	Type of the toxicity
dichloroacetic acid	79-43-6		cancer
dichloroacetic acid	79-43-6		developmental, male
formaldehyde	50-00-0	gas	cancer
methanol	67-56-1		developmental

Drug precursors, Chemicals designated within the Controlled Substances Act, 21 U.S.C. § 802, paragraphs 34 (list I) and 35 (list II)

none of the ingredients are listed



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Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	2	temporary or minor injury may occur
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	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
AU	AIIC	not all ingredients are listed
CA	DSL	not all ingredients are listed
CA	NDSL	not all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	not all ingredients are listed
EU	REACH Reg.	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



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Country	Inventory	Status
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)

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
NDSL	Non-domestic Substances List (NDSL)
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

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes

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).

Disclaimer



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