



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

SECTION 1: Identification

1.1 Product identifier

Trade name **Armor All Snow Foam Car Wash - Bottle**
Alternative number(s) 067788191597, 070612191410, 070612194237,
070612194633, 067788194703, 070612194244,
070612491978, 070612491961

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: <http://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.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
A.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
A.4S	skin sensitization	1	Skin Sens. 1	H317

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 warning

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

- Pictograms

GHS07



- Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

- Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P261 Avoid breathing mist/vapors.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves.
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.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling

Cocamidopropyl betaine, Methylchloroisothiazolinone

2.3 Other hazards

Hazards not otherwise classified

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

Results of PBT and vPvB assessment

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

Endocrine disrupting properties

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

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11









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	Pictograms
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	CAS No 68439-57-6	5 – < 10	Skin Irrit. 2 / H315 Eye Dam. 1 / H318	
Sodium Lauryl Ether Sulfate	CAS No 68585-34-2	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319	
Sodium sulfate	CAS No 7757-82-6	1 – < 5	Acute Tox. 4 / H332	
Cocamidopropyl betaine	CAS No 61789-40-0	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317	
C10-16 Alcohol Ethoxylate	CAS No 68002-97-1	< 1	Acute Tox. 1 / H330	
Methylchloroiso-thiazolinone	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	  

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

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

Following inhalation

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

Following skin contact

Wash with plenty of soap and water.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

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, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

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	glycerine	56-81-5	REL							mist, appx-D	NIOSH REL
US	glycerol	56-81-5	PEL		15					mist, i	29 CFR 1910.1000
US	glycerol	56-81-5	PEL		5					mist, r	29 CFR 1910.1000

Notation

appx-D see Appendix D - Substances with No Established RELs
 Ceiling-C ceiling value is a limit value above which exposure should not occur
 i inhalable fraction
 mist as mists
 r respirable fraction
 STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
 TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
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
Sodium sulfate	7757-82-6	DNEL	20 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Sodium sulfate	7757-82-6	DNEL	20 mg/m ³	human, inhalatory	worker (industry)	chronic - local 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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

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Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Methylchloroiso-thiazolinone	55965-84-9	DNEL	0.02 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Methylchloroiso-thiazolinone	55965-84-9	DNEL	0.04 mg/m ³	human, inhalatory	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
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, sodium salts	68439-57-6	PNEC	0.002 mg/l	aquatic organisms	marine water	short-term (single instance)
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)
Sodium sulfate	7757-82-6	PNEC	11.09 mg/l	aquatic organisms	freshwater	short-term (single instance)
Sodium sulfate	7757-82-6	PNEC	1.109 mg/l	aquatic organisms	marine water	short-term (single instance)
Sodium sulfate	7757-82-6	PNEC	800 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

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Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Sodium sulfate	7757-82-6	PNEC	40.2 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Sodium sulfate	7757-82-6	PNEC	4.02 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Sodium sulfate	7757-82-6	PNEC	1.54 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)
Methylchloroisothiazolinone	55965-84-9	PNEC	3.39 µg/l	aquatic organisms	freshwater	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	3.39 µg/l	aquatic organisms	marine water	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	0.23 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	0.027 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	0.027 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	0.01 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

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	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	not determined
Evaporation rate	Not determined



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

Flammability (solid, gas)	not relevant, (fluid)
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Explosive limits

- Lower explosion limit (LEL)	2.7 vol%
- Upper explosion limit (UEL)	19 vol%

Vapor pressure	0.003 mmHg at 50 °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
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Auto-ignition temperature

Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

9.2 Other information	there is no additional information
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SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

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

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

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Sodium sulfate	7757-82-6	inhalation: dust/mist	>2.4 mg/l/4h
C10-16 Alcohol Ethoxylate	68002-97-1	inhalation: vapor	>0.1 mg/l/4h
Methylchloroisothiazolinone	55965-84-9	oral	457 mg/kg
Methylchloroisothiazolinone	55965-84-9	dermal	660 mg/kg
Methylchloroisothiazolinone	55965-84-9	inhalation: vapor	11 mg/l/4h
Methylchloroisothiazolinone	55965-84-9	inhalation: dust/mist	2.36 mg/l/4h

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

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
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 salts	68439-57-6	ErC50	5.2 mg/l	algae	72 h
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	NOEC	3.2 mg/l	algae	72 h
Sodium Lauryl Ether Sulfate	68585-34-2	EC50	27 mg/l	algae	72 h
Sodium Lauryl Ether Sulfate	68585-34-2	EC50	7.2 mg/l	daphnia	48 h
Sodium Lauryl Ether Sulfate	68585-34-2	EC50	7.1 mg/l	zebra fish	96 h
Sodium sulfate	7757-82-6	LC50	7,960 mg/l	fish	96 h
Sodium sulfate	7757-82-6	EC50	3,150 mg/l	aquatic invertebrates	48 h



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
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
C10-16 Alcohol Ethoxylate	68002-97-1	EC50	0.41 mg/l	algae	96 h
C10-16 Alcohol Ethoxylate	68002-97-1	EC50	0.39 mg/l	daphnia	48 h
C10-16 Alcohol Ethoxylate	68002-97-1	EC50	0.876 mg/l	zebra fish	96 h
Methylchloroisothiazolinone	55965-84-9	LC50	0.19 mg/l	fish	96 h
Methylchloroisothiazolinone	55965-84-9	EC50	0.16 mg/l	aquatic invertebrates	48 h
Methylchloroisothiazolinone	55965-84-9	ErC50	19.9 µg/l	algae	72 h
Methylchloroisothiazolinone	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
Sodium Lauryl Ether Sulfate	68585-34-2	NOEC	0.27 mg/l	daphnia	21 d
Sodium Lauryl Ether Sulfate	68585-34-2	NOEC	1 mg/l	fish	45 d



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sodium sulfate	7757-82-6	EC50	1,698 mg/l	aquatic invertebrates	7 d
Sodium sulfate	7757-82-6	LC50	3,030 mg/l	aquatic invertebrates	7 d
Sodium sulfate	7757-82-6	LOEC	1,329 mg/l	aquatic invertebrates	7 d
Sodium sulfate	7757-82-6	NOEC	26 g/l	microorganisms	37 d
Sodium sulfate	7757-82-6	NOAEL	8 g/l	microorganisms	37 d
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
C10-16 Alcohol Ethoxylate	68002-97-1	NOEC	0.77 mg/l	daphnia	21 d
C10-16 Alcohol Ethoxylate	68002-97-1	NOEC	0.16 mg/l	fish	10 d
Methylchloroisothiazolinone	55965-84-9	LC50	0.07 mg/l	fish	14 d
Methylchloroisothiazolinone	55965-84-9	EC50	>0.18 mg/l	aquatic invertebrates	21 d
Methylchloroisothiazolinone	55965-84-9	ErC50	45.6 µg/l	algae	120 h
Methylchloroisothiazolinone	55965-84-9	NOEC	≥46.4 µg/l	fish	35 d
Methylchloroisothiazolinone	55965-84-9	LOEL	0.06 mg/l	fish	36 d
Methylchloroisothiazolinone	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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

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

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

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

Waste treatment of containers/packages

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

Remarks

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

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

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

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

National regulations (United States)

Toxic Substance Control Act (TSCA) not all ingredients are listed (ACTIVE)

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	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	cleaning agent	
Sodium Lauryl Ether Sulfate	68585-34-2	surfactant	
Glycerol	56-81-5	solvents	
Salt	7647-14-5	preservative	
Sodium sulfate	7757-82-6	filler	
n-[3-(Dimethylnitro)propyl]dodecanamide	61792-31-2	surfactant	
Sodium xylenesulphonate	1300-72-7	surfactant	
Water	7732-18-5	solvents	
Hydroxyethyl cellulose	9004-62-0	thickener	
Alkenes, C>10 alpha	64743-02-8	surfactant	
Myristamidopropylamine oxide	67806-10-4	surfactant	
Cocamidopropyl betaine	61789-40-0	surfactant	
C10-16 Alcohol Ethoxylate	68002-97-1	surfactant	
Non-hazardous ingredients	Mixture	miscellaneous	
2-t-Butylcyclohexyl Acetate	88-41-5	fragrance	
hydrogen peroxide	7722-84-1	oxidizer	
1,2-Benzisothiazolin-3-one	2634-33-5	preservative	



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

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

Name acc. to inventory	CAS No	Classification
SODIUM SULFATE (SOLUTION)	7757-82-6	E

Legend

E Environmental hazard

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
1,4-dioxane	123-91-1		cancer
benzene	71-43-2		cancer
benzene	71-43-2		developmental, male
dichloroacetic acid	79-43-6		cancer
dichloroacetic acid	79-43-6		developmental, male
ethylbenzene	100-41-4		cancer
cumene	98-82-8		cancer
formaldehyde	50-00-0	gas	cancer
methanol	67-56-1		developmental
toluene	108-88-3		developmental

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	2	temporary or minor injury may occur
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	-	



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

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	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	not 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	not all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	not all ingredients are listed
VN	NCI	not all ingredients are listed

Legend

AIIC Australian Inventory of Industrial Chemicals
CICR Chemical Inventory and Control Regulation
CSCL-ENCS List of Existing and New Chemical Substances (CSCL-ENCS)
DSL Domestic Substances List (DSL)
ECSI EC Substance Inventory (EINECS, ELINCS, NLP)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

Legend

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
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
2.1		Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): change in the listing (table)	yes
2.2	- Signal word: danger	- Signal word: warning	yes
2.2		- Pictograms: change in the listing (table)	yes
2.2		- Hazard statements: change in the listing (table)	yes
2.2		- Precautionary statements: change in the listing (table)	yes
2.2	- Hazardous ingredients for labelling: Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts, Methylchloroiso-thiazolinone, Glycerol	- Hazardous ingredients for labelling: Cocamidopropyl betaine, Methylchloroiso-thiazolinone	yes
2.3		Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0.1\%$.	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	yes
3.2		Description of the mixture: change in the listing (table)	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
4.1	Following inhalation: If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.	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.	yes
6.2	Environmental precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.	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.	yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
11.1	Acute toxicity: Harmful if swallowed.	Acute toxicity: Shall not be classified as acutely toxic.	yes
11.1		- Acute toxicity estimate (ATE): change in the listing (table)	yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
11.1	Skin corrosion/irritation: Shall not be classified as corrosive/irritant to skin.	Skin corrosion/irritation: Causes skin irritation.	yes
11.1	Serious eye damage/eye irritation: Causes serious eye damage.	Serious eye damage/eye irritation: Causes serious eye irritation.	yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0.1\%$.	yes
12.6	Endocrine disrupting properties: None of the ingredients are listed.	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	yes
14.3	Transport hazard class(es): not assigned	Transport hazard class(es): none	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
15.1		Toxic Substance Control Act (TSCA): not all ingredients are listed (ACTIVE)	yes
15.1	Hazardous Substances List (MN-ERTK)		yes
15.1		Hazardous Substances List (MN-ERTK): change in the listing (table)	yes
15.1	Hazardous Substance List (NJ-RTK)		yes
15.1		Hazardous Substance List (NJ-RTK): change in the listing (table)	yes
15.1		Hazardous Substance List (Chapter 323) (PA-RTK): change in the listing (table)	yes
15.1	Hazardous Substance List (RI-RTK)		yes
15.1		Hazardous Substance List (RI-RTK): change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes

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
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
Replaces version of: 2022-06-23 (6)

Revision: 2023-09-11

Abbr.	Descriptions of used abbreviations
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
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
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
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
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)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Snow Foam Car Wash - Bottle

Version number: 7.2
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Abbr.	Descriptions of used abbreviations
Skin Sens.	Skin sensitization
STEL	Short-term exposure limit
TWA	Time-weighted average
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.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
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.