



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

SECTION 1: Identification

1.1 Product identifier

Trade name **Armor All Air Freshener Smoke X Vent Clip Citrus Breeze**
Alternative number(s) 067788191924

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
A.7	reproductive toxicity	2	Repr. 2	H361
B.6	flammable liquid	3	Flam. Liq. 3	H226

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

2.2 Label elements

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

- Signal word warning

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.

- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing mist/vapors.
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.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	If exposed or concerned: Get medical advice/attention.
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.
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.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

- Hazardous ingredients for labelling

(R)-p-mentha-1,8-diene, p-mentha-1,4-diene, citral, Orange Oil Valencia, Linalool, Lemon Terpenes, Lime (Citrus aurantifolia), ext., Mandarin orange, ext., Linalyl acetate, Geranyl acetate, Neryl acetate

2.3 Other hazards

Hazards not otherwise classified

May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).

May be harmful if inhaled (GHS category 5: acutely toxic - inhalation).

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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

Results of PBT and vPvB assessment

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

Endocrine disrupting properties

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Dipropylene glycol methyl ether acetate	CAS No 88917-22-0	50 – < 75	Flam. Liq. 4 / H227	
decanal	CAS No 112-31-2	5 – < 10	Eye Irrit. 2 / H319 Flam. Liq. 4 / H227	
Linalyl acetate	CAS No 115-95-7	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Flam. Liq. 4 / H227	
Linalool	CAS No 78-70-6	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Flam. Liq. 4 / H227	
(R)-p-mentha-1,8-diene	CAS No 5989-27-5	1 – < 5	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
(2-methoxymethylethoxy)propanol	CAS No 34590-94-8	1 – < 5	Flam. Liq. 4 / H227	
citral	CAS No 5392-40-5	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317	
Orange Oil Valencia	CAS No 8008-57-9 8028-48-6 68606-94-0	1 – < 5	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	
Geranyl acetate	CAS No 105-87-3	< 1	Skin Irrit. 2 / H315 Skin Sens. 1 / H317	
Neryl acetate	CAS No 141-12-8	< 1	Skin Sens. 1B / H317	
p-mentha-1,4-diene	CAS No 99-85-4	< 1	Repr. 2 / H361 Flam. Liq. 3 / H226	
Lime (Citrus aurantifolia), ext.	CAS No 90063-52-8	< 1	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	
Lemon Terpenes	CAS No 68917-33-9 84929-31-7	< 1	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	
Mandarin orange, ext.	CAS No 8008-31-9 84929-38-4	< 1	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Following skin contact

Wash with plenty of soap and water.

Following eye contact

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

Following ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, 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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

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

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

- 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.

- Ventilation requirements

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

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

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)

Coun-try	Name of agent	CAS No	Iden-tifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceil-ing-C [ppm]	Ceil-ing-C [mg/m ³]	Nota-tion	Sour-ce
US	dipropylene glycol methyl ether	34590-94-8	PEL (CA)	100	600	150	900				Cal/ OSHA PEL
US	dipropylene glycol methyl ether	34590-94-8	REL	100 (10 h)	600 (10 h)	150	900				NIOSH REL
US	dipropylene glycol methyl ether	34590-94-8	PEL	100	600						29 CFR 1910.1000
US	dipropylene glycol methyl ether (DPGME)	34590-94-8	TLV®	50							AC-GIH® 2023
US	citral	5392-40-5	TLV®	5						iv, H	AC-GIH® 2023

Notation

Ceiling-C

H

iv

STEL

TWA

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

absorbed through the skin

inhalable fraction and vapor

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)

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)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Relevant DNELs of components of the mixture

Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Dipropylene glycol methyl ether acetate	88917-22-0	DNEL	1,556 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Dipropylene glycol methyl ether acetate	88917-22-0	DNEL	65 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
decanal	112-31-2	DNEL	24.86 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
decanal	112-31-2	DNEL	49.71 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
decanal	112-31-2	DNEL	62.14 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
decanal	112-31-2	DNEL	124.3 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
decanal	112-31-2	DNEL	7.05 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
decanal	112-31-2	DNEL	14.1 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
Linalyl acetate	115-95-7	DNEL	2.75 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Linalyl acetate	115-95-7	DNEL	2.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Linalyl acetate	115-95-7	DNEL	236.2 µg/cm ²	human, dermal	worker (industry)	chronic - local effects
Linalyl acetate	115-95-7	DNEL	236.2 µg/cm ²	human, dermal	worker (industry)	acute - local effects
Linalool	78-70-6	DNEL	16.5 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
Linalool	78-70-6	DNEL	5 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
Linalool	78-70-6	DNEL	24.58 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Linalool	78-70-6	DNEL	3.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
(R)-p-mentha-1,8-diene	5989-27-5	DNEL	66.7 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
(R)-p-mentha-1,8-diene	5989-27-5	DNEL	9.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Relevant DNELs of components of the mixture						
Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
(2-methoxymethyl-ethoxy)propanol	34590-94-8	DNEL	308 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
(2-methoxymethyl-ethoxy)propanol	34590-94-8	DNEL	283 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
citral	5392-40-5	DNEL	9 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
citral	5392-40-5	DNEL	1.7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
citral	5392-40-5	DNEL	140 µg/cm ²	human, dermal	worker (industry)	chronic - local effects
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	DNEL	31.1 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	DNEL	8.89 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	DNEL	185.8 µg/cm ²	human, dermal	worker (industry)	acute - local effects
Geranyl acetate	105-87-3	DNEL	62.59 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Geranyl acetate	105-87-3	DNEL	35.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
p-mentha-1,4-diene	99-85-4	DNEL	2.939 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
p-mentha-1,4-diene	99-85-4	DNEL	0.833 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Lemon Terpenes	68917-33-9 84929-31-7	DNEL	23.3 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Lemon Terpenes	68917-33-9 84929-31-7	DNEL	6.67 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Lime (Citrus auranti- folia), ext.	90063-52-8	DNEL	18.7 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Lime (Citrus auranti- folia), ext.	90063-52-8	DNEL	5.34 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Lime (Citrus auranti- folia), ext.	90063-52-8	DNEL	185.8 µg/cm ²	human, dermal	worker (industry)	acute - local effects



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Relevant DNELs of components of the mixture

Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Mandarin orange, ext.	8008-31-9 84929-38-4	DNEL	23.3 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Mandarin orange, ext.	8008-31-9 84929-38-4	DNEL	6.67 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Mandarin orange, ext.	8008-31-9 84929-38-4	DNEL	185.8 µg/cm ²	human, dermal	worker (industry)	acute - local effects

Relevant PNECs of components of the mixture

Name of sub-stance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Dipropylene glycol methyl ether acetate	88917-22-0	PNEC	0.11 mg/l	aquatic organisms	freshwater	short-term (single instance)
Dipropylene glycol methyl ether acetate	88917-22-0	PNEC	0.011 mg/l	aquatic organisms	marine water	short-term (single instance)
Dipropylene glycol methyl ether acetate	88917-22-0	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Dipropylene glycol methyl ether acetate	88917-22-0	PNEC	2.41 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Dipropylene glycol methyl ether acetate	88917-22-0	PNEC	0.241 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Dipropylene glycol methyl ether acetate	88917-22-0	PNEC	0.42 mg/kg	terrestrial organisms	soil	short-term (single instance)
decanal	112-31-2	PNEC	313 mg/kg	aquatic organisms	water	short-term (single instance)
decanal	112-31-2	PNEC	11.7 µg/l	aquatic organisms	water	intermittent release
decanal	112-31-2	PNEC	1.17 µg/l	aquatic organisms	freshwater	short-term (single instance)
decanal	112-31-2	PNEC	0.117 µg/l	aquatic organisms	marine water	short-term (single instance)
decanal	112-31-2	PNEC	3.16 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
decanal	112-31-2	PNEC	0.097 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
decanal	112-31-2	PNEC	0.01 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
decanal	112-31-2	PNEC	0.019 mg/kg	terrestrial organisms	soil	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0.11 mg/l	aquatic organisms	water	intermittent release
Linalyl acetate	115-95-7	PNEC	0.011 mg/l	aquatic organisms	freshwater	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0.001 mg/l	aquatic organisms	marine water	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0.609 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0.061 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Linalyl acetate	115-95-7	PNEC	0.115 mg/kg	terrestrial organisms	soil	short-term (single instance)
Linalool	78-70-6	PNEC	7.8 mg/kg	aquatic organisms	water	short-term (single instance)
Linalool	78-70-6	PNEC	2 mg/l	aquatic organisms	water	intermittent release
Linalool	78-70-6	PNEC	0.2 mg/l	aquatic organisms	freshwater	short-term (single instance)
Linalool	78-70-6	PNEC	0.02 mg/l	aquatic organisms	marine water	short-term (single instance)
Linalool	78-70-6	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Linalool	78-70-6	PNEC	2.22 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Linalool	78-70-6	PNEC	0.222 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Linalool	78-70-6	PNEC	0.327 mg/kg	terrestrial organisms	soil	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5	PNEC	14 µg/l	aquatic organisms	freshwater	short-term (single instance)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
(R)-p-mentha-1,8-diene	5989-27-5	PNEC	1.4 µg/l	aquatic organisms	marine water	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5	PNEC	1.8 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5	PNEC	3.85 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5	PNEC	0.385 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5	PNEC	0.763 mg/kg	terrestrial organisms	soil	short-term (single instance)
(2-methoxymethyl-ethoxy)propanol	34590-94-8	PNEC	190 mg/l	aquatic organisms	water	intermittent release
(2-methoxymethyl-ethoxy)propanol	34590-94-8	PNEC	19 mg/l	aquatic organisms	freshwater	short-term (single instance)
(2-methoxymethyl-ethoxy)propanol	34590-94-8	PNEC	1.9 mg/l	aquatic organisms	marine water	short-term (single instance)
(2-methoxymethyl-ethoxy)propanol	34590-94-8	PNEC	4,168 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
(2-methoxymethyl-ethoxy)propanol	34590-94-8	PNEC	70.2 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
(2-methoxymethyl-ethoxy)propanol	34590-94-8	PNEC	7.02 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
(2-methoxymethyl-ethoxy)propanol	34590-94-8	PNEC	2.74 mg/kg	terrestrial organisms	soil	short-term (single instance)
citral	5392-40-5	PNEC	0.007 mg/l	aquatic organisms	freshwater	short-term (single instance)
citral	5392-40-5	PNEC	0.001 mg/l	aquatic organisms	marine water	short-term (single instance)
citral	5392-40-5	PNEC	1.6 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
citral	5392-40-5	PNEC	0.125 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
citral	5392-40-5	PNEC	0.013 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
citral	5392-40-5	PNEC	0.021 mg/kg	terrestrial organisms	soil	short-term (single instance)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Relevant PNECs of components of the mixture

Name of sub-stance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	5.4 µg/l	aquatic organ-isms	freshwater	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	0.54 µg/l	aquatic organ-isms	marine water	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	2.1 mg/l	aquatic organ-isms	sewage treatment plant (STP)	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	1.3 mg/kg	aquatic organ-isms	freshwater sedi-ment	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	0.13 mg/kg	aquatic organ-isms	marine sediment	short-term (single instance)
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	PNEC	0.261 mg/kg	terrestrial organ-isms	soil	short-term (single instance)
Geranyl acetate	105-87-3	PNEC	37.2 µg/l	aquatic organ-isms	water	intermittent re-lease
Geranyl acetate	105-87-3	PNEC	3.72 µg/l	aquatic organ-isms	freshwater	short-term (single instance)
Geranyl acetate	105-87-3	PNEC	0.372 µg/l	aquatic organ-isms	marine water	short-term (single instance)
Geranyl acetate	105-87-3	PNEC	8 mg/l	aquatic organ-isms	sewage treatment plant (STP)	short-term (single instance)
Geranyl acetate	105-87-3	PNEC	0.442 mg/kg	aquatic organ-isms	freshwater sedi-ment	short-term (single instance)
Geranyl acetate	105-87-3	PNEC	0.044 mg/kg	aquatic organ-isms	marine sediment	short-term (single instance)
Geranyl acetate	105-87-3	PNEC	0.086 mg/kg	terrestrial organ-isms	soil	short-term (single instance)
p-mentha-1,4-diene	99-85-4	PNEC	0.003 mg/l	aquatic organ-isms	freshwater	short-term (single instance)
p-mentha-1,4-diene	99-85-4	PNEC	0 mg/l	aquatic organ-isms	marine water	short-term (single instance)
p-mentha-1,4-diene	99-85-4	PNEC	10 mg/l	aquatic organ-isms	sewage treatment plant (STP)	short-term (single instance)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
p-mentha-1,4-diene	99-85-4	PNEC	0.49 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
p-mentha-1,4-diene	99-85-4	PNEC	0.049 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
p-mentha-1,4-diene	99-85-4	PNEC	0.423 mg/kg	terrestrial organisms	soil	short-term (single instance)
Lemon Terpenes	68917-33-9 84929-31-7	PNEC	5.4 µg/l	aquatic organisms	freshwater	short-term (single instance)
Lemon Terpenes	68917-33-9 84929-31-7	PNEC	0.54 µg/l	aquatic organisms	marine water	short-term (single instance)
Lemon Terpenes	68917-33-9 84929-31-7	PNEC	2.1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Lemon Terpenes	68917-33-9 84929-31-7	PNEC	1.3 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Lemon Terpenes	68917-33-9 84929-31-7	PNEC	0.13 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Lemon Terpenes	68917-33-9 84929-31-7	PNEC	0.29 mg/kg	terrestrial organisms	soil	short-term (single instance)
Lime (Citrus aurantiifolia), ext.	90063-52-8	PNEC	5.4 µg/l	aquatic organisms	freshwater	short-term (single instance)
Lime (Citrus aurantiifolia), ext.	90063-52-8	PNEC	0.54 µg/l	aquatic organisms	marine water	short-term (single instance)
Lime (Citrus aurantiifolia), ext.	90063-52-8	PNEC	2.1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Lime (Citrus aurantiifolia), ext.	90063-52-8	PNEC	1.3 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Lime (Citrus aurantiifolia), ext.	90063-52-8	PNEC	0.13 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Lime (Citrus aurantiifolia), ext.	90063-52-8	PNEC	0.29 mg/kg	terrestrial organisms	soil	short-term (single instance)
Mandarin orange, ext.	8008-31-9 84929-38-4	PNEC	5.4 µg/l	aquatic organisms	freshwater	short-term (single instance)
Mandarin orange, ext.	8008-31-9 84929-38-4	PNEC	0.54 µg/l	aquatic organisms	marine water	short-term (single instance)
Mandarin orange, ext.	8008-31-9 84929-38-4	PNEC	2.1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Mandarin orange, ext.	8008-31-9 84929-38-4	PNEC	1.3 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Mandarin orange, ext.	8008-31-9 84929-38-4	PNEC	0.13 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Mandarin orange, ext.	8008-31-9 84929-38-4	PNEC	0.29 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

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

- Other protection measures

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

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

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	160 °C at 1,026 hPa
Flash point	51 °C at 1 atm
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)

Explosive limits

- Lower explosion limit (LEL)	1.1 vol%
- Upper explosion limit (UEL)	14 vol%
Vapor pressure	10 mmHg at 75.1 °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
-----------------------------	-----------------------------------



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Auto-ignition temperature	340 °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)	T2 (maximum permissible surface temperature on the equipment: 300°C)
--	--

SECTION 10: Stability and reactivity

10.1 Reactivity

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

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

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

Hints to prevent fire or explosion

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

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

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

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

Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful in contact with skin or if inhaled.

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.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
(R)-p-mentha-1,8-diene	5989-27-5	3	

Legend

3 Not classifiable as to carcinogenicity in humans

Reproductive toxicity

Suspected of damaging the unborn child. Suspected of damaging fertility.

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects. 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
Dipropylene glycol methyl ether acetate	88917-22-0	LC50	117.6 mg/l	fish	24 h
Dipropylene glycol methyl ether acetate	88917-22-0	EC50	1,090 mg/l	aquatic invertebrates	48 h
Dipropylene glycol methyl ether acetate	88917-22-0	ErC50	>1,000 mg/l	algae	72 h
Dipropylene glycol methyl ether acetate	88917-22-0	NOEC	125 mg/l	fish	96 h
decanal	112-31-2	LC50	2.1 mg/l	fish	96 h
decanal	112-31-2	EC50	2.95 mg/l	aquatic invertebrates	24 h
decanal	112-31-2	ErC50	4.5 mg/l	algae	72 h
decanal	112-31-2	NOEC	1.75 mg/l	fish	96 h
Linalyl acetate	115-95-7	ErC50	62 mg/l	algae	72 h
Linalyl acetate	115-95-7	LC50	11 mg/l	fish	96 h
Linalyl acetate	115-95-7	EC50	59 mg/l	aquatic invertebrates	48 h
Linalyl acetate	115-95-7	NOEC	25 mg/l	aquatic invertebrates	48 h
Linalool	78-70-6	LC50	27.8 mg/l	fish	96 h
Linalool	78-70-6	EC50	59 mg/l	aquatic invertebrates	48 h
Linalool	78-70-6	ErC50	156.7 mg/l	algae	96 h
Linalool	78-70-6	NOEC	<3.5 mg/l	fish	96 h
(R)-p-mentha-1,8-diene	5989-27-5	LC50	720 µg/l	fish	96 h
(R)-p-mentha-1,8-diene	5989-27-5	EC50	688 µg/l	fish	96 h
(R)-p-mentha-1,8-diene	5989-27-5	ErC50	0.32 mg/l	algae	72 h
(R)-p-mentha-1,8-diene	5989-27-5	NOEC	0.09 mg/l	algae	48 h



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
(2-methoxymethylethoxy)propanol	34590-94-8	LC50	>1,000 mg/l	fish	96 h
(2-methoxymethylethoxy)propanol	34590-94-8	ErC50	>969 mg/l	algae	72 h
(2-methoxymethylethoxy)propanol	34590-94-8	EC50	>969 mg/l	algae	72 h
(2-methoxymethylethoxy)propanol	34590-94-8	NOEC	969 mg/l	algae	72 h
citral	5392-40-5	LC50	6.78 mg/l	fish	96 h
citral	5392-40-5	EC50	6.8 mg/l	aquatic invertebrates	48 h
citral	5392-40-5	ErC50	103.8 mg/l	algae	72 h
citral	5392-40-5	NOEC	4.6 mg/l	fish	96 h
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	LL50	5.65 mg/l	fish	96 h
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	EL50	1.4 mg/l	aquatic invertebrates	24 h
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	NOELR	4 mg/l	fish	96 h
Geranyl acetate	105-87-3	LC50	68.12 mg/l	fish	96 h
Geranyl acetate	105-87-3	EC50	14.1 mg/l	aquatic invertebrates	48 h
Geranyl acetate	105-87-3	ErC50	3.72 mg/l	algae	72 h
Geranyl acetate	105-87-3	NOEC	10 mg/l	fish	96 h
Neryl acetate	141-12-8	LC50	6 mg/l	fish	96 h
Neryl acetate	141-12-8	EC50	10.68 mg/l	aquatic invertebrates	24 h
Neryl acetate	141-12-8	ErC50	4.9 mg/l	algae	72 h
p-mentha-1,4-diene	99-85-4	EC50	2.792 mg/l	fish	96 h
Lemon Terpenes	68917-33-9 84929-31-7	LL50	5.65 mg/l	fish	96 h



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Lemon Terpenes	68917-33-9 84929-31-7	EL50	1.4 mg/l	aquatic invertebrates	24 h
Lemon Terpenes	68917-33-9 84929-31-7	NOELR	4 mg/l	fish	96 h
Lime (Citrus aurantifolia), ext.	90063-52-8	LL50	>18 mg/l	fish	96 h
Lime (Citrus aurantifolia), ext.	90063-52-8	EL50	5 mg/l	aquatic invertebrates	48 h
Lime (Citrus aurantifolia), ext.	90063-52-8	NOELR	2.2 mg/l	aquatic invertebrates	48 h
Mandarin orange, ext.	8008-31-9 84929-38-4	LL50	>100 mg/l	fish	96 h
Mandarin orange, ext.	8008-31-9 84929-38-4	EL50	8.9 mg/l	aquatic invertebrates	48 h
Mandarin orange, ext.	8008-31-9 84929-38-4	ErC50	0.61 mg/l	algae	72 h
Mandarin orange, ext.	8008-31-9 84929-38-4	NOELR	2.2 mg/l	aquatic invertebrates	48 h
Mandarin orange, ext.	8008-31-9 84929-38-4	NOEC	0.14 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Dipropylene glycol methyl ether acetate	88917-22-0	LC50	211.1 mg/l	fish	3 h
Dipropylene glycol methyl ether acetate	88917-22-0	EC50	>1,000 mg/l	microorganisms	3 h
decanal	112-31-2	EC50	70 mg/l	microorganisms	3 h
decanal	112-31-2	NOEC	31.6 mg/l	microorganisms	3 h
Linalyl acetate	115-95-7	LC50	11.14 mg/l	fish	20 h
Linalyl acetate	115-95-7	NOEC	>25.7 mg/l	microorganisms	28 d
Linalool	78-70-6	LC50	27.8 mg/l	fish	24 h

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Linalool	78-70-6	EC50	>100 mg/l	microorganisms	30 min
(R)-p-mentha-1,8-diene	5989-27-5	EC50	<0.67 mg/l	fish	8 d
(R)-p-mentha-1,8-diene	5989-27-5	LC50	0.41 mg/l	fish	8 d
(R)-p-mentha-1,8-diene	5989-27-5	NOEC	0.37 mg/l	fish	8 d
(R)-p-mentha-1,8-diene	5989-27-5	LOEC	0.67 mg/l	fish	8 d
(2-methoxymethylethoxy)propanol	34590-94-8	LC50	>1,000 mg/l	aquatic invertebrates	24 h
(2-methoxymethylethoxy)propanol	34590-94-8	NOEC	≥0.5 mg/l	aquatic invertebrates	22 d
(2-methoxymethylethoxy)propanol	34590-94-8	LOEC	0.5 mg/l	aquatic invertebrates	22 d
citral	5392-40-5	EC50	160 mg/l	microorganisms	30 min
Neryl acetate	141-12-8	EC50	≥1,000 mg/l	microorganisms	3 h
Neryl acetate	141-12-8	NOEC	≥1,000 mg/l	microorganisms	3 h
p-mentha-1,4-diene	99-85-4	EC50	>1,000 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

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 ≥ 0.1%.

12.6 Endocrine disrupting properties

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

12.7 Other adverse effects

Data are not available.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

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

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. 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

DOT	UN 1993
IMDG-Code	UN 1993
ICAO-TI	UN 1993

14.2 UN proper shipping name

DOT	Flammable liquid, n.o.s.
IMDG-Code	FLAMMABLE LIQUID, N.O.S.
ICAO-TI	Flammable liquid, n.o.s.
Technical name (hazardous ingredients)	(R)-p-mentha-1,8-diene, Orange Oil Valencia

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

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

Particulars in the shipper's declaration UN1993, Flammable liquid, n.o.s., ((R)-p-mentha-1,8-diene, Orange Oil Valencia, solution), 3, III

Danger label(s) 3



Special provisions (SP) B1, B52, IB3, T4, TP1, TP29

ERG No 128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Particulars in the shipper's declaration UN1993, FLAMMABLE LIQUID, N.O.S., ((R)-p-mentha-1,8-diene, Orange Oil Valencia, solution), 3, III, 51°C c.c.

Marine pollutant -

Danger label(s) 3



Special provisions (SP) 223, 274, 955

Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

EmS F-E, S-E

Stowage category A

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

Particulars in the shipper's declaration UN1993, Flammable liquid, n.o.s., ((R)-p-mentha-1,8-diene, Orange Oil Valencia, solution), 3, III

Danger label(s) 3





Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Special provisions (SP)	A3
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

SECTION 15: Regulatory information

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

National regulations (United States)

Toxic Substance Control Act (TSCA)

all ingredients are listed (ACTIVE) or exempt from listing

Superfund Amendment and Reauthorization Act (SARA TITLE III)

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

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

none of the ingredients are listed

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

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
Dipropylene glycol methyl ether acetate	88917-22-0	fragrance	
decanal	112-31-2	fragrance	
Linalyl acetate	115-95-7	fragrance	
Linalool	78-70-6	fragrance	EU Fragrance Allergens
(R)-p-mentha-1,8-diene	5989-27-5	fragrance	EU Fragrance Allergens
(2-methoxymethylethoxy)propanol	34590-94-8	fragrance	
citral	5392-40-5	fragrance	EU Fragrance Allergens
Orange Oil Valencia	8008-57-9 8028-48-6 68606-94-0	fragrance	



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Name of substance	CAS No	Functionality	Authoritative Lists
Geranyl acetate	105-87-3	fragrance	
Neryl acetate	141-12-8	fragrance	
p-mentha-1,4-diene	99-85-4	fragrance	
Lime (Citrus aurantifolia), ext.	90063-52-8	fragrance	
Lemon Terpenes	68917-33-9 84929-31-7	fragrance	
Mandarin orange, ext.	8008-31-9 84929-38-4	fragrance	
Triethyl citrate	77-93-0	surfactant	
Geraniol	106-24-1	fragrance	EU Fragrance Allergens

- Toxic or Hazardous Substance List (MA-TURA)

none of the ingredients are listed

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
(2-methoxymethylethoxy)propanol	34590-94-8	A, O	

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

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
(2-methoxymethylethoxy)propanol	34590-94-8		F2
(R)-p-mentha-1,8-diene	138-86-3		F2

Legend

F2 Flammable - Second Degree

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

Name acc. to inventory	CAS No	Classification
PROPANOL, (2-METHOXYMETHYLETHOXY)-	34590-94-8	



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
(2-methoxymethylethoxy)propanol	34590-94-8	T

Legend

T Toxicity (ACGIH®)

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

none of the ingredients are listed

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

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	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		



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

National inventories

Country	Inventory	Status
AU	AIIC	all ingredients are listed
CA	DSL	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	all ingredients are listed
EU	REACH Reg.	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
US	TSCA	all ingredients are listed (ACTIVE)
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
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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

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): This mixture does not meet the criteria for classification.	Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)	yes
2.1		Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): change in the listing (table)	yes
2.1		The most important adverse physicochemical, human health and environmental effects: The product is combustible and can be ignited by potential ignition sources.	yes
2.2	Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): not required	Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)	yes
2.2		- Signal word: warning	yes
2.2		- Pictograms	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: (R)-p-mentha-1,8-diene, p-mentha-1,4-diene, citral, Orange Oil Valencia, Linalool, Lemon Terpenes, Lime (Citrus aurantifolia), ext., Mandarin orange, ext., Linalyl acetate, Geranyl acetate, Neryl acetate	yes
2.3		Hazards not otherwise classified	yes
2.3		Hazards not otherwise classified: change in the listing (table)	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.	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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
3.2	Description of the mixture: Not safety-relevant.	Description of the mixture	yes
3.2		Description of the mixture: change in the listing (table)	yes
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
5.1	Suitable extinguishing media: Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO ₂)	Suitable extinguishing media: Water spray, BC-powder, Carbon dioxide (CO ₂)	yes
5.2	Special hazards arising from the substance or mixture	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.	yes
5.2		Hazardous combustion products: Nitrogen oxides (NO _x), Carbon monoxide (CO), Carbon dioxide (CO ₂)	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
6.4	Reference to other sections: Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.	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.	yes
7.1	- Measures to prevent fire as well as aerosol and dust generation: Use local and general ventilation. Use only in well-ventilated areas.	- 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.	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
7.1		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.	yes
7.2		Managing of associated risks	yes
7.2		- Explosive atmospheres: Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.	yes
7.2		- 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.	yes
7.2		- Ventilation requirements: Use local and general ventilation. Ground/bond container and receiving equipment.	yes
7.2		- Packaging compatibilities: Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.	yes
8.1	Control parameters: This information is not available.	Control parameters	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	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
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Initial boiling point and boiling range: not determined	Initial boiling point and boiling range: 160 °C at 1,026 hPa	yes
9.1	Flash point: not determined	Flash point: 51 °C at 1 atm	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
9.1	Explosive limits: not determined	Explosive limits	yes
9.1		Lower explosion limit (LEL): 1.1 vol%	yes
9.1		Upper explosion limit (UEL): 14 vol%	yes
9.1	Vapor pressure: not determined	Vapor pressure: 10 mmHg at 75.1 °C	yes
9.1	Solubility(ies)	Solubility(ies): not determined	yes
9.1	Water solubility: miscible in any proportion		yes
9.1	Auto-ignition temperature: not determined	Auto-ignition temperature: 340 °C (auto-ignition temperature (liquids and gases))	yes
9.2	other information: there is no additional information	Other information	yes
9.2		Temperature class (USA, acc. to NEC 500): T2 (maximum permissible surface temperature on the equipment: 300°C)	yes
10.1	Reactivity: Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".	Reactivity: Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.	yes
10.1		If heated: Risk of ignition	yes
10.2	Chemical stability: The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.	Chemical stability: See below "Conditions to avoid".	yes
10.4	Conditions to avoid: There are no specific conditions known which have to be avoided.	Conditions to avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	yes
10.4		Hints to prevent fire or explosion: Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.	yes
10.5	Incompatible materials: There is no additional information.	Incompatible materials: Oxidizers	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
11.1	Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): This mixture does not meet the criteria for classification.	Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)	yes
11.1	Acute toxicity: Shall not be classified as acutely toxic.	Acute toxicity: Shall not be classified as acutely toxic. GHS of the United Nations, annex 4: May be harmful in contact with skin or if inhaled.	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: Shall not be classified as seriously damaging to the eye or eye irritant.	Serious eye damage/eye irritation: Causes serious eye irritation.	yes
11.1	Respiratory or skin sensitization: Shall not be classified as a respiratory or skin sensitizer.	Respiratory or skin sensitization: May cause an allergic skin reaction.	yes
11.1		IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: change in the listing (table)	yes
11.1	Reproductive toxicity: Shall not be classified as a reproductive toxicant.	Reproductive toxicity: Suspected of damaging the unborn child. Suspected of damaging fertility.	yes
12.1	Toxicity: Shall not be classified as hazardous to the aquatic environment.	Toxicity: Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.	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	Other adverse effects: Data are not available.	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	yes
13.1		Waste treatment-relevant information: Solvent reclamation/regeneration.	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
13.1	Waste treatment of containers/packages: Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	Waste treatment of containers/packages: Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	yes
14.1	UN number: not subject to transport regulations	UN number	yes
14.1		DOT: UN 1993	yes
14.1		IMDG-Code: UN 1993	yes
14.1		ICAO-TI: UN 1993	yes
14.2	UN proper shipping name: not assigned	UN proper shipping name	yes
14.2		DOT: Flammable liquid, n.o.s.	yes
14.2		IMDG-Code: FLAMMABLE LIQUID, N.O.S.	yes
14.2		ICAO-TI: Flammable liquid, n.o.s.	yes
14.2		Technical name (hazardous ingredients): (R)-p-mentha-1,8-diene, Orange Oil Valencia	yes
14.3	Transport hazard class(es): not assigned	Transport hazard class(es)	yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: not assigned	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Transport of dangerous goods by road or rail (49 CFR US DOT): Not subject to transport regulations.	Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information	yes
14.7		Particulars in the shipper's declaration: UN1993, Flammable liquid, n.o.s., ((R)-p-mentha-1,8-diene, Orange Oil Valencia, solution), 3, III	yes
14.7		Danger label(s): 3	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): B1, B52, IB3, T4, TP1, TP29	yes
14.7		ERG No: 128	yes
14.7	International Maritime Dangerous Goods Code (IMDG): Not subject to IMDG.	International Maritime Dangerous Goods Code (IMDG) - Additional information	yes
14.7		Particulars in the shipper's declaration: UN1993, FLAMMABLE LIQUID, N.O.S., ((R)-p-mentha-1,8-diene, Orange Oil Valencia, solution), 3, III, 51°C c.c.	yes
14.7		Marine pollutant: -	yes
14.7		Danger label(s): 3	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): 223, 274, 955	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 5 L	yes
14.7		EmS: F-E, <u>S-E</u>	yes
14.7		Stowage category: A	yes
14.7	International Civil Aviation Organization (ICAO-IATA/DGR): Not subject to ICAO-IATA.	International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7		Particulars in the shipper's declaration: UN1993, Flammable liquid, n.o.s., ((R)-p-mentha-1,8-diene, Orange Oil Valencia, solution), 3, III	yes
14.7		Danger label(s): 3	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): A3	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 10 L	yes
15.1		National regulations (United States)	yes
15.1		Toxic Substance Control Act (TSCA): all ingredients are listed (ACTIVE) or exempt from listing	yes
15.1		Superfund Amendment and Reauthorization Act (SARA TITLE III)	yes
15.1		The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304): none of the ingredients are listed	yes
15.1		Specific Toxic Chemical Listings (EPCRA Section 313): none of the ingredients are listed	yes
15.1		Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)	yes
15.1		List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4): none of the ingredients are listed	yes
15.1		Clean Air Act: none of the ingredients are listed	yes
15.1		Right to Know Hazardous Substance List	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK)	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
15.1		Toxic or Hazardous Substance List (MA-TURA): none of the ingredients are listed	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)	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		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987: none of the ingredients are listed	yes
15.1		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	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	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
ACGIH®	American Conference of Governmental Industrial Hygienists



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Abbr.	Descriptions of used abbreviations
ACGIH® 2023	From ACGIH®, 2023 TLVs® and BEIs® Book. Copyright 2023. 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
Asp. Tox.	Aspiration hazard
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
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)
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
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
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
ERG No	Emergency Response Guidebook - Number
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

Abbr.	Descriptions of used abbreviations
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
LOEC	Lowest Observed Effect Concentration
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
NOELR	No Observed Effect Loading Rate
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
Repr.	Reproductive toxicity
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
STEL	Short-term exposure limit
TLV®	Threshold Limit Values
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).



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Air Freshener Smoke X Vent Clip Citrus Breeze

Version number: 4.2
Replaces version of: 2020-10-21 (3)

Revision: 2023-09-11

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

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.

Disclaimer

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