



SAFETY DATA SHEET

Armor All® Air Freshener Gel Cans 55g Arctic Cool

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Armor All® Air Freshener Gel Cans 55g Arctic Cool
Product number 18535

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

Identified uses Air freshener
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Armored Auto UK Ltd
 Unit 16, Rassau Industrial Estate
 Ebbw Vale
 Gwent NP23 5SD
 UK
 Tel: +44 1495 350234
 Fax: + 44 1495 350431
 euregulatory@eu.spectrumbrands.com

1.4. Emergency telephone number

Emergency telephone +44 1495 350234
 Monday - Thursday: 0830 - 1700
 Friday: 0830 - 1530

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains benzyl salicylate, Linalool, d-Limonene, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
Precautionary statements P102 Keep out of reach of children.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Armor All® Air Freshener Gel Cans 55g Arctic Cool

Propane-1,2-diol	5 - <10%
CAS number: 57-55-6	EC number: 200-338-0
Classification	
Not Classified	
Methyl 4-hydroxybenzoate	1 - <2.5%
CAS number: 99-76-3	EC number: 202-785-7
Classification	
Aquatic Chronic 3 - H412	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Inhalation	If throat irritation or coughing persists, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms are severe or persist.
Skin contact	Brush off loose particles from skin. Wash with plenty of water. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist after washing.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Drowsiness. Dizziness.
Ingestion	Due to the physical nature of this product, it is unlikely that ingestion will occur. May cause discomfort if swallowed.
Skin contact	Due to the physical nature of this product, exposure by this route is unlikely. Prolonged skin contact may cause redness and irritation.
Eye contact	Due to the physical nature of this product, exposure by this route is unlikely. May cause irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically. Keep affected person under observation.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
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Armor All® Air Freshener Gel Cans 55g Arctic Cool

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Use water to keep fire exposed containers cool and disperse vapours.

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all ignition sources if safe to do so. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Eliminate all ignition sources if safe to do so. Do not touch or walk into spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Use only non-sparking tools. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Reference to other sections See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Keep away from heat, sparks and open flame. Provide adequate ventilation.

Advice on general occupational hygiene Avoid contact with eyes and prolonged skin contact. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool and well-ventilated place. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Armor All® Air Freshener Gel Cans 55g Arctic Cool

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Propane-1,2-diol

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates

boran-2-one

Long-term exposure limit (8-hour TWA): WEL 2 ppm 13 mg/m³

Short-term exposure limit (15-minute): WEL 3 ppm 19 mg/m³

WEL = Workplace Exposure Limit

benzyl salicylate (CAS: 118-58-1)

DNEL	Workers - Inhalation; Long term systemic effects: 3.17 mg/m ³ Workers - Dermal; Long term systemic effects: 0.9 mg/kg/day General population - Inhalation; Long term systemic effects: 0.78 mg/m ³ General population - Dermal; Long term systemic effects: 0.45 mg/kg/day General population - Oral; Long term systemic effects: 0.45 mg/kg/day
PNEC	Fresh water; 0.001 mg/l marine water; 0 mg/l STP; 10 mg/l Sediment (Freshwater); 0.583 mg/kg Sediment (Marinewater); 0.058 mg/kg Soil; 1.41 mg/kg Oral; 80 mg/kg

2,6-Dimethyloct-7-en-2-ol (CAS: 18479-58-8)

DNEL	Workers - Inhalation; Long term systemic effects: 73.5 mg/m ³ Workers - Dermal; Long term systemic effects: 20.8 mg/kg/day General population - Inhalation; Long term systemic effects: 21.7 mg/m ³ General population - Dermal; Long term systemic effects: 12.5 mg/kg/day General population - Oral; Long term systemic effects: 12.5 mg/kg/day
PNEC	Fresh water; 0.0278 mg/l marine water; 0.00278 mg/l STP; 10 mg/l Sediment (Freshwater); 0.594 mg/kg Sediment (Marinewater); 0.059 mg/kg Soil; 0.103 mg/kg Oral; 111 mg/kg

benzyl acetate (CAS: 140-11-4)

DNEL	Workers - Inhalation; Long term systemic effects: 9 mg/m ³ Workers - Dermal; Long term systemic effects: 2.5 mg/kg/day General population - Inhalation; Long term systemic effects: 2.2 mg/m ³ General population - Dermal; Long term systemic effects: 1.3 mg/kg/day General population - Oral; Long term systemic effects: 1.3 mg/kg/day
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Armor All® Air Freshener Gel Cans 55g Arctic Cool

PNEC

Fresh water; 0.018 mg/l
 marine water; 0.002 mg/l
 STP; 8.55 mg/l
 Sediment (Freshwater); 0.526 mg/kg
 Sediment (Marinewater); 0.053 mg/kg
 Soil; 0.094 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. All handling should only take place in well-ventilated areas. Avoid inhalation of vapours and spray/mists. Use explosion-proof electrical, ventilating and lighting equipment.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Do not smoke in work area. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Gel.
Colour	Yellow.
Odour	Characteristic.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.

Armor All® Air Freshener Gel Cans 55g Arctic Cool

Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	1 kPa @ 50°C
Vapour density	Not determined.
Relative density	Not determined.
Bulk density	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Other information No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Keep away from heat, sparks and open flame. Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid None known.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO₂). Carbon monoxide (CO). Toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Armor All® Air Freshener Gel Cans 55g Arctic Cool

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Toxicological information on ingredients.

Propane-1,2-diol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 22,000.0

Species Rat

ATE oral (mg/kg) 22,000.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rabbit REACH dossier information.

Skin corrosion/irritation

Animal data Dose: 0.5 ml, 4 hours, Rabbit Primary dermal irritation index: 0 Not irritating. REACH dossier information.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 100 µl, 96 hours, Rabbit Not irritating. REACH dossier information.

Armor All® Air Freshener Gel Cans 55g Arctic Cool

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative. REACH dossier information.

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information.

Carcinogenicity

Carcinogenicity NOAEL 1700 mg/kg/day, Oral, Rat REACH dossier information.

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOAEL 10100 mg/kg/day, Oral, Mouse P REACH dossier information.

Reproductive toxicity - development Maternal toxicity: - NOAEL: 520 mg/kg/day, Oral, Mouse REACH dossier information.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 1700 mg/kg/day, Oral, Rat REACH dossier information.

Methyl 4-hydroxybenzoate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,100.0

Species Rat

Notes (oral LD₅₀) REACH dossier information.

ATE oral (mg/kg) 2,100.0

Skin corrosion/irritation

Animal data Dose: 0.1 ml, 24 hours, Rabbit Primary dermal irritation index: 0.67 Not irritating. REACH dossier information.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 ml, 48 hours, Rabbit Slightly irritating. REACH dossier information.

Skin sensitisation

Skin sensitisation Not sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information.

Reproductive toxicity

Reproductive toxicity - development Developmental toxicity:, Maternal toxicity: - NOEL: 300 mg/kg/day, Oral, Rabbit REACH dossier information.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL ≥250 mg/kg/day, Oral, Rat REACH dossier information.

SECTION 12: Ecological information

12.1. Toxicity

Armor All® Air Freshener Gel Cans 55g Arctic Cool

Toxicity Not considered toxic to fish. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

Propane-1,2-diol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 40613 mg/l, Oncorhynchus mykiss (Rainbow trout)
REACH dossier information.

Acute toxicity - aquatic invertebrates LC₅₀, 48 hours: 18340 mg/l, Ceriodaphnia dubia
REACH dossier information.

Acute toxicity - aquatic plants EC₅₀, 72 hours: 24200 mg/l, Pseudokirchneriella subcapitata
REACH dossier information.

Methyl 4-hydroxybenzoate

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 59.5 mg/l, Oryzias latipes (Red killifish)
REACH dossier information.

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 11.2 mg/l, Daphnia magna
REACH dossier information.

Acute toxicity - aquatic plants EC₅₀, 72 hours: 91 mg/l, Pseudokirchneriella subcapitata
NOEC, 72 hours: 20 mg/l, Pseudokirchneriella subcapitata
REACH dossier information.

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates EC₅₀, 21 days: 0.89 mg/l, Daphnia magna
NOEC, 21 days: 0.2 mg/l, Daphnia magna
REACH dossier information.

12.2. Persistence and degradability

Persistence and degradability No data available.

Ecological information on ingredients.

Propane-1,2-diol

Biodegradation Water - Degradation 81.7%: 28 days
The substance is readily biodegradable.
REACH dossier information.

Methyl 4-hydroxybenzoate

Biodegradation Water - Degradation 89%: 28 days
The substance is readily biodegradable.
REACH dossier information.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

Ecological information on ingredients.

Armor All® Air Freshener Gel Cans 55g Arctic Cool

Propane-1,2-diol

Partition coefficient log Pow: -1.07 REACH dossier information.

Methyl 4-hydroxybenzoate

Partition coefficient log Pow: 1.98 REACH dossier information.

12.4. Mobility in soil

Mobility The product is partly soluble in water and may spread in the aquatic environment.

Ecological information on ingredients.

Propane-1,2-diol

Mobility Soluble in water.

Methyl 4-hydroxybenzoate

Mobility Soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Propane-1,2-diol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Methyl 4-hydroxybenzoate

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Armor All® Air Freshener Gel Cans 55g Arctic Cool

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	EH40/2005 Workplace exposure limits.
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IMDG: International Maritime Dangerous Goods. IATA: International Air Transport Association. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ATE: Acute Toxicity Estimate. DNEL: Derived No Effect Level. LC ₅₀ : Lethal Concentration to 50 % of a test population. LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. BCF: Bioconcentration Factor.
Classification procedures according to Regulation (EC) 1272/2008	Not classified.: Calculation method.
Revision comments	Section 2: Hazards identification // 2.2. Label elements.

Armor All® Air Freshener Gel Cans 55g Arctic Cool

Revision date	10/07/2018
Revision	2
Supersedes date	23/05/2018
SDS number	1155
Hazard statements in full	H412 Harmful to aquatic life with long lasting effects. EUH208 Contains benzyl salicylate, Linalool, d-Limonene, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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