



## SAFETY DATA SHEET

### Armor All® Air Freshener 3ct Cards Classic Cotton

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 3ct Cards Classic Cotton  
**Product number** 18516

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

**Identified uses** Hanging 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

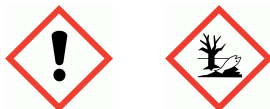
##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

##### 2.2. Label elements

###### Hazard pictograms



**Signal word** Warning

**Hazard statements** H317 May cause an allergic skin reaction.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

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**Exemptions from CLP Article 17 [Article 29(2)]** - 1.5.2.1. Labelling of packages where the contents do not exceed 125 ml] The following are not required for labelling: H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements** P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains**  $\alpha$ -hexylcinnamaldehyde, 3-p-cumenyl-2-methylpropionaldehyde, 2-(4-tert-butylbenzyl)propionaldehyde, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one

**Supplementary precautionary statements** P272 Contaminated work clothing should not be allowed out of the workplace.  
P362+P364 Take off contaminated clothing and wash it before reuse.

### 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

<b>Benzyl benzoate</b> <span style="float: right;"><b>25 - &lt;50%</b></span>		
CAS number: 120-51-4	EC number: 204-402-9	REACH registration number: 01-2119976371-33-XXXX
M factor (Acute) = 1		
<b>Classification</b>		
Acute Tox. 4 - H302		
Aquatic Acute 1 - H400		
Aquatic Chronic 2 - H411		
<b><math>\alpha</math>-hexylcinnamaldehyde</b> <span style="float: right;"><b>1 - &lt;2.5%</b></span>		
CAS number: 165184-98-5	EC number: 639-566-4	REACH registration number: 01-2119533092-50-XXXX
M factor (Acute) = 1		
<b>Classification</b>		
Skin Sens. 1 - H317		
Aquatic Acute 1 - H400		
Aquatic Chronic 2 - H411		
<b>3-p-cumenyl-2-methylpropionaldehyde</b> <span style="float: right;"><b>1 - &lt;2.5%</b></span>		
CAS number: 103-95-7	EC number: 203-161-7	
<b>Classification</b>		
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
Aquatic Chronic 3 - H412		

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<b>2-(4-tert-butylbenzyl)propionaldehyde</b> <span style="float: right;">0.5 - &lt;1%</span>		
CAS number: 80-54-6	EC number: 201-289-8	REACH registration number: 01-2119485965-18-XXXX
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Repr. 2 - H361 Aquatic Chronic 2 - H411		
<b>3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one</b> <span style="float: right;">0.25 - &lt;0.5%</span>		
CAS number: 127-51-5	EC number: 204-846-3	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411		
<b>benzyl salicylate</b> <span style="float: right;">0.25 - &lt;0.5%</span>		
CAS number: 118-58-1	EC number: 204-262-9	REACH registration number: 01-2119969442-31-XXXX
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412		
<b>tetramethyl acetyloctahydronaphthalenes</b> <span style="float: right;">0.25 - &lt;0.5%</span>		
CAS number: —	EC number: 915-730-3	REACH registration number: 01-2119489989-04-XXXX
M factor (Chronic) = 1		
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Aquatic Chronic 1 - H410		
<b>α-methyl-1,3-benzodioxole-5-propionaldehyde</b> <span style="float: right;">0.25 - &lt;0.5%</span>		
CAS number: 1205-17-0	EC number: 214-881-6	
<b>Classification</b> Skin Sens. 1 - H317 Aquatic Chronic 2 - H411		

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<b>Linalool</b>	<b>0.025 - &lt;0.25%</b>
CAS number: 78-70-6	EC number: 201-134-4
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1B - H317	
<b>hydroxyisohexyl 3-cyclohexene carboxaldehyde</b>	<b>0.025 - &lt;0.25%</b>
CAS number: —	EC number: 915-617-9
	REACH registration number: 01-2119971808-21-XXXX
<b>Classification</b>	
Skin Sens. 1A - H317	
<b>d-Limonene</b>	<b>0.025 - &lt;0.25%</b>
CAS number: 5989-27-5	EC number: 227-813-5
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
<b>geranyl acetate</b>	<b>0.025 - &lt;0.25%</b>
CAS number: 105-87-3	EC number: 203-341-5
	REACH registration number: 01-2119973480-35-XXXX
<b>Classification</b>	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Aquatic Chronic 3 - H412	
<b>4-tert-butylcyclohexyl acetate</b>	<b>0.025 - &lt;0.25%</b>
CAS number: 32210-23-4	EC number: 250-954-9
	REACH registration number: 01-2119976286-24-XXXX
<b>Classification</b>	
Skin Sens. 1B - H317	

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<b>(Z)-3,4,5,6,6-pentamethylhept-3-en-2-one</b>	<b>0.025 - &lt;0.25%</b>
CAS number: 81786-73-4	EC number: 279-822-9
<b>Classification</b>	
Skin Sens. 1B - H317	
Aquatic Chronic 2 - H411	
<b>2,4-dimethylcyclohex-3-ene-1-carbaldehyde</b>	<b>0.025 - &lt;0.25%</b>
CAS number: 68039-49-6	EC number: 268-264-1
<b>Classification</b>	
Skin Irrit. 2 - H315	
Skin Sens. 1B - H317	
Aquatic Chronic 2 - H411	
<b>pentyl salicylate</b>	<b>0.025 - &lt;0.25%</b>
CAS number: 2050-08-0	EC number: 218-080-2
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	
Acute Tox. 4 - H302	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
<b>1-(2,6,6-trimethyl-1-cyclohexen-1-yl)pent-1-en-3-one</b>	<b>0.025 - &lt;0.25%</b>
CAS number: 127-43-5	EC number: 204-843-7
<b>Classification</b>	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
<b>Skin contact</b>	Brush off loose particles from skin. Wash with plenty of water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	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

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<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Drowsiness. Dizziness.
<b>Ingestion</b>	Due to the physical nature of this product, it is unlikely that ingestion will occur. May cause sensitisation or allergic reactions in sensitive individuals. Gastrointestinal symptoms, including upset stomach.
<b>Skin contact</b>	Due to the physical nature of this product, exposure by this route is unlikely. May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged skin contact may cause redness and irritation. Prolonged contact may cause dryness of the skin.
<b>Eye contact</b>	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**

<b>Notes for the doctor</b>	Treat symptomatically. Keep affected person under observation.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	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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<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
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### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Use water to keep fire exposed containers cool and disperse vapours.
<b>Special protective equipment for firefighters</b>	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**

<b>Personal precautions</b>	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.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Avoid discharge into drains or watercourses or onto the ground.
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### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	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.
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### 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.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Benzyl benzoate (CAS: 120-51-4)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 5.1 mg/m <sup>3</sup> Workers - Inhalation; Short term systemic effects: 102 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 2.6 mg/kg/day General population - Inhalation; Long term systemic effects: 1.25 mg/m <sup>3</sup> General population - Inhalation; Long term systemic effects: 25 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 1.3 mg/kg/day General population - Oral; Long term systemic effects: 0.4 mg/kg/day General population - Oral; Short term systemic effects: 78 mg/kg/day
<b>PNEC</b>	Fresh water; 0.017 mg/l marine water; 0.002 mg/l STP; 100 mg/l Sediment (Freshwater); 10.66 mg/kg Sediment (Marinewater); 1.07 mg/kg Soil; 2.12 mg/kg

#### α-hexylcinnamaldehyde (CAS: 165184-98-5)

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**DNEL**

Workers - Inhalation; Long term systemic effects: 0.078 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term local effects: 6.28 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 18.2 mg/kg/day  
 Workers - Dermal; Long term local effects: 0.525 mg/cm<sup>2</sup>  
 Workers - Dermal; Short term local effects: 0.525 mg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 0.019 mg/m<sup>3</sup>  
 General population - Inhalation; Short term local effects: 4.71 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 9.11 mg/kg/day  
 General population - Dermal; Long term local effects: 0.078 mg/cm<sup>2</sup>  
 General population - Dermal; Short term local effects: 0.078 mg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 0.056 mg/kg/day

**PNEC**

Fresh water; 0.001 mg/l  
 Fresh water, Intermittent release; 0.002 mg/l  
 marine water; 0 mg/l  
 STP; 10 mg/l  
 Sediment (Freshwater); 3.2 mg/kg  
 Sediment (Marinewater); 0.064 mg/kg  
 Soil; 0.398 mg/kg  
 Oral; 6.6 mg/kg

### 2-(4-tert-butylbenzyl)propionaldehyde (CAS: 80-54-6)

**PNEC**

Fresh water; 0.004 mg/l  
 Fresh water, Intermittent release; 0.024 mg/l  
 marine water; 0 mg/l  
 STP; 10 mg/l  
 Sediment (Freshwater); 0.528 mg/kg  
 Sediment (Marinewater); 0.053 mg/kg  
 Soil; 0.103 mg/kg

### benzyl salicylate (CAS: 118-58-1)

**DNEL**

Workers - Inhalation; Long term systemic effects: 3.17 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 0.9 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 0.78 mg/m<sup>3</sup>  
 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

### tetramethyl acetyloctahydronaphthalenes

**DNEL**

Workers - Inhalation; Long term systemic effects: 30 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 28.7 mg/kg/day  
 Workers - Dermal; Long term local effects: 648 µg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 9 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 17.2 mg/kg/day  
 General population - Dermal; Long term local effects: 380 µg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 3 mg/kg/day



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**PNEC**

Fresh water; 0.0028 mg/l  
 marine water; 0.00028 mg/l  
 STP; 10 mg/l  
 Sediment (Freshwater); 3.73 mg/kg  
 Sediment (Marinewater); 0.75 mg/kg  
 Soil; 2.7 mg/kg  
 Oral; 10 mg/kg

### Menthyl acetate (CAS: 89-48-5)

**DNEL**

Workers - Inhalation; Long term systemic effects: 33.6 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 9.5 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 8.3 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 4.8 mg/kg/day  
 General population - Oral; Long term systemic effects: 4.8 mg/kg/day

**PNEC**

Fresh water; 0.0027 mg/l  
 marine water; 0.00027 mg/l  
 STP; 0.26 mg/l  
 Sediment (Freshwater); 0.434 mg/kg  
 Sediment (Marinewater); 0.043 mg/kg  
 Soil; 0.085 mg/kg  
 Oral; 317 mg/kg

### hydroxyisohexyl 3-cyclohexene carboxaldehyde

**DNEL**

Workers - Inhalation; Long term systemic effects: 3.67 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 1.45 mg/kg/day  
 Workers - Dermal; Long term local effects: 2.5 mg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 1.09 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 0.87 mg/kg/day  
 General population - Dermal; Long term local effects: 1.5 mg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 0.63 mg/kg/day

**PNEC**

Fresh water; 0.0118 mg/l  
 marine water; 0.00118 mg/l  
 STP; 0.2 mg/l  
 Sediment (Freshwater); 0.195 mg/kg  
 Sediment (Marinewater); 0.0195 mg/kg  
 Soil; 0.0321 mg/kg

### 4-tert-butylcyclohexyl acetate (CAS: 32210-23-4)

**PNEC**

Fresh water; 0.0053 mg/l  
 marine water; 0.00053 mg/l  
 STP; 12.2 mg/l  
 Sediment (Freshwater); 2.01 mg/kg  
 Sediment (Marinewater); 0.21 mg/kg  
 Soil; 0.42 mg/kg  
 Oral; 66.67 mg/kg

### Geraniol (CAS: 106-24-1)

## Armor All® Air Freshener 3ct Cards Classic Cotton

<b>DNEL</b>	<p>Workers - Inhalation; Long term systemic effects: 161.6 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 12.5 mg/kg/day</p> <p>Workers - Dermal; Long term local effects: 11800 µg/cm<sup>2</sup></p> <p>General population - Inhalation; Long term systemic effects: 47.8 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 7.5 mg/kg/day</p> <p>General population - Dermal; Long term local effects: 11800 µg/cm<sup>2</sup></p> <p>General population - Oral; Long term systemic effects: 13.75 mg/kg/day</p>
<b>PNEC</b>	<p>Fresh water; 0.011 mg/l</p> <p>Fresh water, Intermittent release; 0.108 mg/l</p> <p>marine water; 0.001 mg/l</p> <p>STP; 0.7 mg/l</p> <p>Sediment (Freshwater); 0.115 mg/kg</p> <p>Sediment (Marinewater); 0.011 mg/kg</p> <p>Soil; 0.017 mg/kg</p>

### 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

<b>Appearance</b>	Solid.
<b>Colour</b>	Various colours.
<b>Odour</b>	Characteristic.

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<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Bulk density</b>	Not determined.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	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

## Armor All® Air Freshener 3ct Cards Classic Cotton

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances:  
Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Toxic gases or vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 7,398.52

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** 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** May cause an allergic skin reaction.

##### 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.

##### Benzyl benzoate

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,880.0

**Species** Rat

**ATE oral (mg/kg)** 1,880.0

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### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit REACH dossier information.

### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: No oedema (0). Not irritating. REACH dossier information.

### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.1 ml, 7 days, Rabbit Not irritating. REACH dossier information.

### Skin sensitisation

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Not sensitising. REACH dossier information.

### Germ cell mutagenicity

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

**Genotoxicity - in vivo** DNA damage and/or repair: Negative. REACH dossier information.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 781 mg/kg/day, Dermal, Rat REACH dossier information.

### α-hexylcinnamaldehyde

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,100.0

**Species** Rat

**ATE oral (mg/kg)** 3,100.0

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >3000 mg/kg, Dermal, Rabbit REACH dossier information.

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >5 mg/l, Inhalation, Rat 4 hours Aerosol. REACH dossier information.

### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Slight oedema - edges of area well defined by definite raising (2). Not irritating. REACH dossier information.

### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.1 ml, 7 days, Rabbit Not irritating. REACH dossier information.

### Skin sensitisation

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Sensitising.

### Germ cell mutagenicity

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

### Reproductive toxicity

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**Reproductive toxicity - fertility** Screening - NOAEL  $\geq$ 100 mg/kg/day, Oral, Rat P REACH dossier information.

### 3-p-cumenyl-2-methylpropionaldehyde

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Dermal, Rat REACH dossier information.

#### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Moderate to severe erythema (3). Oedema score: Moderate oedema - raised approximately 1 mm (3). Irritating. REACH dossier information.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.1 ml, 7 days, Rabbit Not irritating. REACH dossier information.

#### Skin sensitisation

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information.

#### Germ cell mutagenicity

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

#### Reproductive toxicity

**Reproductive toxicity - fertility** One-generation study - NOAEL 25 mg/kg/day, Oral, Rat P REACH dossier information.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 300 mg/kg/day, Oral, Rabbit REACH dossier information.

### 2-(4-tert-butylbenzyl)propionaldehyde

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,390.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** REACH dossier information.

**ATE oral (mg/kg)** 1,390.0

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** REACH dossier information.

#### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Moderate oedema - raised approximately 1 mm (3). REACH dossier information. Irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** REACH dossier information. Not irritating.

#### Skin sensitisation

## Armor All® Air Freshener 3ct Cards Classic Cotton

<b>Skin sensitisation</b>	Skin Sens. 1 - H317
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Chromosome aberration: Negative. REACH dossier information.
<b>Genotoxicity - in vivo</b>	Chromosome aberration: Negative. REACH dossier information.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Repr. 2 - H361f Suspected of damaging fertility.
<b>Reproductive toxicity - development</b>	Developmental toxicity: - NOAEL: 4.1 mg/kg/day, Oral, Rat REACH dossier information.

### 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one

<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Oral, Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Dermal, Rabbit
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Eye Irrit. 2 - H319 Causes serious eye irritation.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Skin Sens. 1 - H317 May cause an allergic skin reaction.

### benzyl salicylate

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	3,031.0
<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	3,031.0
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >2000 mg/kg, Dermal, Rabbit
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Irritating to eyes.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Local Lymph Node Assay (LLNA) - Mouse: Sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Bacterial reverse mutation test: Negative.
<b>Genotoxicity - in vivo</b>	Chromosome aberration: Negative.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	One-generation study - NOAEL 180 mg/kg/day, Oral, Rat P

## Armor All® Air Freshener 3ct Cards Classic Cotton

**Reproductive toxicity - development** Maternal toxicity: - NOAEL: 360 mg/kg/day, Oral, Rat

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOEL 360 mg/kg/day, Oral, Rat

### α-methyl-1,3-benzodioxole-5-propionaldehyde

### Skin sensitisation

**Skin sensitisation** Skin Sens. 1 - H317 May cause an allergic skin reaction.

### Linalool

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,790.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** REACH dossier information.

**ATE oral (mg/kg)** 2,790.0

### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 5,610.0

**Species** Rabbit

**Notes (dermal LD<sub>50</sub>)** REACH dossier information.

**ATE dermal (mg/kg)** 5,610.0

### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Slight oedema - edges of area well defined by definite raising (2). REACH dossier information. Irritating.

### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.1 ml, 1 hour, Rabbit REACH dossier information. Irritating.

### Skin sensitisation

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Gene mutation: Negative. REACH dossier information.

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

### Reproductive toxicity

**Reproductive toxicity - fertility** Screening - NOAEL 500 mg/kg/day, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Developmental toxicity: - NOAEL: 1000 mg/kg/day, Oral, Rat REACH dossier information.



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### hydroxyisohexyl 3-cyclohexene carboxaldehyde

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >3976 mg/kg, Oral, Rat REACH dossier information.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Dermal, Rabbit REACH dossier information.

#### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Not irritating. REACH dossier information.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Rabbit Not irritating.

#### Skin sensitisation

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: 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.

#### Reproductive toxicity

**Reproductive toxicity - fertility** One-generation study - NOAEL 500 mg/kg/day, Oral, Rat P REACH dossier information.

**Reproductive toxicity - development** Developmental toxicity:, Maternal toxicity: - NOAEL: 25 mg/kg/day, Oral, Rat REACH dossier information.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 25 mg/kg/day, Oral, Rat REACH dossier information.

### d-Limonene

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** > 2000 mg/kg Rat REACH dossier information. Read-across data.

#### Skin corrosion/irritation

**Animal data** Irritating to skin. REACH dossier information.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.1 ml, 7 days, Rabbit REACH dossier information. Not irritating.

#### Skin sensitisation

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Gene mutation: Negative. REACH dossier information.

**Genotoxicity - in vivo** DNA damage and/or repair: Negative. REACH dossier information.

#### Carcinogenicity

## Armor All® Air Freshener 3ct Cards Classic Cotton

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 1650 mg/kg/day, Oral, Mouse REACH dossier information.

### Aspiration hazard

**Aspiration hazard** 1.003 cSt @ 25°C/77°F REACH dossier information. Read-across data. Asp. Tox. 1 - H304

### 4-tert-butylcyclohexyl acetate

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> ~3323 mg/kg, Oral, Rat

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >4680 mg/kg, Dermal, Rabbit

#### Skin corrosion/irritation

**Human skin model test** Cell Viability 62.6% 15 minutes Not irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.1 ml, 72 hours, Rabbit Not irritating.

#### Skin sensitisation

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Sensitising.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Gene mutation: Negative. Read-across data.

#### Reproductive toxicity

**Reproductive toxicity - development** Maternal toxicity:, Developmental toxicity: - NOAEL: 160 mg/kg/day, Oral, Rat

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 980 mg/kg/day, Oral, Rat

### pentyl salicylate

#### Acute toxicity - oral

**ATE oral (mg/kg)** 500.0

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

### Ecological information on ingredients.

#### Benzyl benzoate

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

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<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 2.32 mg/l, Brachydanio rerio (Zebra Fish) REACH dossier information.
<b>Acute toxicity - aquatic invertebrates</b>	NOEC, 48 hours: 1.73 mg/l, Daphnia magna EC <sub>50</sub> , 48 hours: 3.09 mg/l, Daphnia magna REACH dossier information.
<b>Acute toxicity - aquatic plants</b>	NOEC, 72 hours: 0.247 mg/l, Pseudokirchneriella subcapitata EC <sub>50</sub> , 72 hours: 0.475 mg/l, Pseudokirchneriella subcapitata REACH dossier information.
<b><u>Chronic aquatic toxicity</u></b>	
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 days: 0.258 mg/l, Daphnia magna LOEC, 21 days: 0.455 mg/l, Daphnia magna REACH dossier information.

### α-hexylcinnamaldehyde

#### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1

M factor (Acute) 1

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 1.7 mg/l, Pimephales promelas (Fat-head Minnow)  
NOEC, 96 hours: 0.93 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: >0.36 - <0.59 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: >0.065 mg/l, Desmodesmus subspicatus

#### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 63 µg/l, Daphnia magna  
LOEC, 21 days: 157 µg/l, Daphnia magna

### 3-p-cumenyl-2-methylpropionaldehyde

#### Acute aquatic toxicity

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 1.4 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 4.3 mg/l, Pseudokirchneriella subcapitata  
NOEC, 72 hours: 0.72 mg/l, Pseudokirchneriella subcapitata  
REACH dossier information.

### 2-(4-tert-butylbenzyl)propionaldehyde

#### Acute aquatic toxicity

**Acute toxicity - fish** NOEC, 96 hours: 1.28 mg/l, Brachydanio rerio (Zebra Fish)  
LC<sub>50</sub>, 96 hours: 2.04 mg/l, Brachydanio rerio (Zebra Fish)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 10.7 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 29.155 mg/l, Scenedesmus subspicatus  
REACH dossier information.

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**Acute toxicity - microorganisms** EC<sub>10</sub>, 3 hours: > 100 mg/l, Activated sludge  
REACH dossier information.

### 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one

**Toxicity** Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

#### benzyl salicylate

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 1.03 mg/l, Brachydanio rerio (Zebra Fish)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 1.16 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 1.29 mg/l, Pseudokirchneriella subcapitata

### α-methyl-1,3-benzodioxole-5-propionaldehyde

**Toxicity** Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

#### d-Limonene

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 0.720 mg/l, Pimephales promelas (Fat-head Minnow)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 0.36 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 150 mg/l, Desmodemus subspicatus  
REACH dossier information.  
Read-across data.

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: 209 mg/l, Activated sludge  
REACH dossier information.  
Read-across data.

#### Chronic aquatic toxicity

**M factor (Chronic)** 1

#### pentyl salicylate

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

#### Chronic aquatic toxicity

**M factor (Chronic)** 1

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

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### Ecological information on ingredients.

#### Benzyl benzoate

**Biodegradation** Water - Degradation 94%: 28 days  
The substance is readily biodegradable.  
REACH dossier information.

#### α-hexylcinnamaldehyde

**Biodegradation** Water - Degradation 97%: 28 days  
The substance is readily biodegradable.

#### 3-p-cumenyl-2-methylpropionaldehyde

**Biodegradation** Water - Degradation 65.5%: 28 days  
REACH dossier information.

#### 2-(4-tert-butylbenzyl)propionaldehyde

**Phototransformation** Water - DT<sub>50</sub> : 11.66 hours  
REACH dossier information.

**Biodegradation** Water - Degradation (80.7%): 28 days  
REACH dossier information.  
The substance is readily biodegradable.

#### benzyl salicylate

**Biodegradation** Water - Degradation 93%: 28 days

#### d-Limonene

**Phototransformation** Water - Half-life : 0.365 hours  
REACH dossier information.  
QSAR

**Biodegradation** Water - Degradation (80%): 28 days  
REACH dossier information.  
Read-across data.  
The substance is readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

### Ecological information on ingredients.

#### Benzyl benzoate

**Bioaccumulative potential** BCF: 193.4 L/kg, Calculation method. REACH dossier information.

**Partition coefficient** log Pow: ~ 3.97 REACH dossier information.

#### α-hexylcinnamaldehyde

**Partition coefficient** log Pow: 5.3

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### 3-p-cumenyl-2-methylpropionaldehyde

**Partition coefficient** log Pow: 3.4 REACH dossier information.

### 2-(4-tert-butylbenzyl)propionaldehyde

**Bioaccumulative potential** BCF: 274.3 l/kg, Fish REACH dossier information.

**Partition coefficient** log Pow: 4.2 REACH dossier information.

### benzyl salicylate

**Partition coefficient** log Pow: 4

### d-Limonene

**Bioaccumulative potential** BCF: 1022, REACH dossier information. QSAR

**Partition coefficient** log Pow: 4.38 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.

### Benzyl benzoate

**Adsorption/desorption coefficient** Water - Log Koc: 3.8 @ 40°C REACH dossier information.

### α-hexylcinnamaldehyde

**Mobility** Slightly soluble in water.

**Adsorption/desorption coefficient** Soil - Log Koc: 4.2 @ 25°C

### 3-p-cumenyl-2-methylpropionaldehyde

**Adsorption/desorption coefficient** Soil - Log Koc: 3.05 @ 35°F REACH dossier information.

### 2-(4-tert-butylbenzyl)propionaldehyde

**Henry's law constant** 2.523 Pa m<sup>3</sup>/mol @ 25°C REACH dossier information. Calculation method.

### benzyl salicylate

**Mobility** Slightly soluble in water.

**Adsorption/desorption coefficient** Log Koc: 3.75

**Surface tension** 69 mN/m @ 20°C

### d-Limonene

## Armor All® Air Freshener 3ct Cards Classic Cotton

**Adsorption/desorption coefficient** Water - Koc : 1984 REACH dossier information. QSAR

### 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.

#### Benzyl benzoate

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

#### α-hexylcinnamaldehyde

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

#### 3-p-cumenyl-2-methylpropionaldehyde

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

#### 2-(4-tert-butylbenzyl)propionaldehyde

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

#### benzyl salicylate

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

#### d-Limonene

**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). Refer to the Dangerous Goods List for information on any Special Provisions 335 / A158.

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

## Armor All® Air Freshener 3ct Cards Classic Cotton

Not applicable.

### 14.3. Transport hazard class(es)

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<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: 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.



## Armor All® Air Freshener 3ct Cards Classic Cotton

<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Skin Sens. 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 2 - H411: Calculation method.
<b>Revision date</b>	01/05/2019
<b>Revision</b>	1
<b>Supersedes date</b>	19/09/2017
<b>SDS number</b>	1089
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H302 Harmful if swallowed. 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. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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