



## SAFETY DATA SHEET

### Armor All® Wash & Wax Speed Shine

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended).

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

##### 1.1. Product identifier

**Product name** Armor All® Wash & Wax Speed Shine

**Product number** 24001, 24002, 24300, 24030

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

**Identified uses** Auto shampoo.

**Uses advised against** No specific uses advised against are identified.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Energizer Trading Ltd  
Sword House  
Totteridge Road  
High Wycombe  
HP13 6DG  
UK  
Tel: +44 845 602 1995  
euregulatory@energizer.com

##### 1.4. Emergency telephone number

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

**National emergency telephone number** Product information has been submitted to the UK National Poisons Information Service (NPIS) and is accessible to medical health professionals.

#### 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** Aquatic Chronic 3 - H412

##### 2.2. Label elements

**Hazard statements** EUH208 Contains d-Limonene. May produce an allergic reaction.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements** P102 Keep out of reach of children.  
P501 Dispose of contents/ container in accordance with national regulations.

**Supplemental label information** Contains a preservative (IODOPROPYNYL BUTYLCARBAMATE, DMDM HYDANTOIN) to control microbial deterioration.  
May produce an allergic reaction.

## Armor All® Wash & Wax Speed Shine

**Detergent labelling** < 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, < 5% polycarboxylates, Contains D-LIMONENE, DMDM HYDANTOIN, IODOPROPYNYL BUTYLCARBAMATE, BENZISOTHIAZOLINONE

**Supplementary precautionary statements** P273 Avoid release to the environment.

### 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>Sodium dodecylbenzenesulfonate</b>		<b>2 - &lt;3%</b>
CAS number: 25155-30-0	EC number: 246-680-4	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Eye Irrit. 2 - H319		
<b>d-Limonene</b>		<b>0.25 - &lt;0.5%</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		

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>	Remove contaminated clothing and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes. 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

## Armor All® Wash & Wax Speed Shine

<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>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	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.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

### **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**

<b>Reference to other sections</b>	See Section 11 for additional information on health hazards. For waste disposal, see Section 13.
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## Armor All® Wash & Wax Speed Shine

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	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.
<b>Advice on general occupational hygiene</b>	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

<b>Storage precautions</b>	Store in a cool and well-ventilated place. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges.
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#### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 73.4 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 4.16 mg/kg/day Workers - Dermal; Long term local effects: 0.09 mg/cm <sup>2</sup> General population - Inhalation; Long term systemic effects: 21.73 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 2.5 mg/kg/day General population - Dermal; Long term local effects: 0.056 mg/cm <sup>2</sup> General population - Oral; Long term systemic effects: 6.25 mg/kg/day
<b>PNEC</b>	Fresh water; 0.007 mg/l marine water; 0.001 mg/l STP; 830 mg/l Sediment (Freshwater); 0.195 mg/kg Sediment (Marinewater); 0.019 mg/kg Soil; 0.035 mg/kg

##### Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)

<b>DNEL</b>	Workers - Dermal; Long term systemic effects: 2750 mg/kg Workers - Inhalation; Long term systemic effects: 175 mg/m <sup>3</sup> General population - Oral; Long term systemic effects: 15 mg/kg General population - Dermal; Long term systemic effects: 1650 mg/kg General population - Inhalation; Long term systemic effects: 52 mg/m <sup>3</sup>
<b>PNEC</b>	Fresh water; 0.24 mg/l marine water; 0.024 mg/l Sediment (Freshwater); 0.917 mg/kg Sediment (Marinewater); 0.092 mg/kg STP; 10000 mg/l Soil; 7.5 mg/kg

##### Linalool (CAS: 78-70-6)

## Armor All® Wash & Wax Speed Shine

### DNEL

Workers - Inhalation; Long term systemic effects: 2.8 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term systemic effects: 16.5 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 2.5 mg/kg/day  
 Workers - Dermal; Short term systemic effects: 5 mg/kg/day  
 Workers - Dermal; Long term local effects: 3 mg/cm<sup>2</sup>  
 Workers - Dermal; Short term local effects: 3 mg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 0.7 mg/m<sup>3</sup>  
 General population - Inhalation; Short term systemic effects: 4.1 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 1.25 mg/kg/day  
 General population - Dermal; Short term systemic effects: 23.5 mg/kg/day  
 General population - Dermal; Long term local effects: 1.5 mg/cm<sup>2</sup>  
 General population - Dermal; Short term local effects: 1.5 mg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 0.2 mg/kg/day  
 General population - Oral; Short term systemic effects: 1.2 mg/kg/day

### PNEC

Fresh water; 0.2 mg/l  
 marine water; 0.02 mg/l  
 STP; 10 mg/l  
 Sediment (Freshwater); 2.22 mg/kg  
 Sediment (Marinewater); 0.222 mg/kg  
 Soil; 0.327 mg/kg  
 Oral; 7.8 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

## Armor All® Wash & Wax Speed Shine

### 9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Straw.
Odour	Orange.
Odour threshold	Not determined.
pH	pH (concentrated solution): 7 - 8
Melting point	Not relevant.
Initial boiling point and range	Not determined.
Flash point	> 100°C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not relevant.
Upper/lower flammability or explosive limits	Not relevant.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	Not determined.
Bulk density	Not determined.
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not relevant.
Decomposition Temperature	Not relevant.
Viscosity	400 - >650 cP @ 20°C
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.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
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### 10.4. Conditions to avoid

## Armor All® Wash & Wax Speed Shine

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

## 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)** 17,857.14

#### Acute toxicity - dermal

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

**ATE dermal (mg/kg)** 39,285.71

#### 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** 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** Not anticipated to present an aspiration hazard, based on chemical structure.

### Toxicological information on ingredients.

## Armor All® Wash & Wax Speed Shine

### Sodium dodecylbenzenesulfonate

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Acute Tox. 4 - H302 cATpE: Converted Acute Toxicity Point Estimate.

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

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Acute Tox. 4 - H312 cATpE: Converted Acute Toxicity Point Estimate.

**ATE dermal (mg/kg)** 1,100.0

#### Serious eye damage/irritation

**Serious eye damage/irritation** Eye Irrit. 2 - H319

### 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

**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

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** Harmful to aquatic life with long lasting effects.

### Ecological information on ingredients.

### d-Limonene

#### Acute aquatic toxicity



## Armor All® Wash & Wax Speed Shine

<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 0.720 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 0.36 mg/l, Daphnia magna REACH dossier information.
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 150 mg/l, Desmodesmus subspicatus REACH dossier information. Read-across data.
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , 3 hours: 209 mg/l, Activated sludge REACH dossier information. Read-across data.
<b><u>Chronic aquatic toxicity</u></b>	
<b>M factor (Chronic)</b>	1

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

### Ecological information on ingredients.

#### d-Limonene

<b>Phototransformation</b>	Water - Half-life : 0.365 hours REACH dossier information. QSAR
<b>Biodegradation</b>	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.

#### d-Limonene

<b>Bioaccumulative potential</b>	BCF: 1022, REACH dossier information. QSAR
<b>Partition coefficient</b>	log Pow: 4.38 REACH dossier information.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### Ecological information on ingredients.

#### d-Limonene

## Armor All® Wash & Wax Speed Shine

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.

#### 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).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

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

## Armor All® Wash & Wax Speed Shine

<b>National regulations</b>	EH40/2005 Workplace exposure limits. The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended).
<b>EU legislation</b>	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

<b>Abbreviations and acronyms used in the safety data sheet</b>	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.
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Aquatic Chronic 3 - H412: Calculation method.
<b>Revision comments</b>	Section 1: Identification of the substance/mixture and of the company/undertaking // 1.3. Details of the supplier of the safety data sheet.
<b>Revision date</b>	20/04/2021
<b>Revision</b>	22
<b>Supersedes date</b>	25/01/2021
<b>SDS number</b>	183

## Armor All® Wash & Wax Speed Shine

### Hazard statements in full

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
EUH208 Contains d-Limonene. May produce an allergic reaction.

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