

### SAFETY DATA SHEET Armor All® Car Wash Speed Dry

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® Car Wash Speed Dry	
Product number	25001	
1.2. Relevant identified uses of	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 t	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 nu	mber	
Emergency telephone	+44 1495 350234 Monday - Thursday: 0830 - 1700 Friday: 0830 - 1530	
National emergency telephone number	<ul> <li>Product information has been submitted to the UK National Poisons Information Service (NPIS) and is accessible to medical health professionals.</li> </ul>	
SECTION 2: Hazards identification		
2.1. Classification of the substance or mixture		
Classification (SI 2019 No. 72		
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.	

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

Supplementary precautionary P273 Avoid release to the environment. statements

### 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	3.2. Mixtures	
Sodium dodecylbenzenesulfonate		1 - <2.5%
CAS number: 25155-30-0	EC number: 246-680-4	
Classification		
Acute Tox. 4 - H302		
Acute Tox. 4 - H312		
Eye Irrit. 2 - H319		
d-Limonene		0.25 - <0.5%
CAS number: 5989-27-5	EC number: 227-813-5	
M factor (Acute) = 1		
Classification		
Flam. Liq. 3 - H226		
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
Asp. Tox. 1 - H304		
Aquatic Acute 1 - H400		
Aquatic Chronic 3 - H412		
propan-2-ol		<0.025%
CAS number: 67-63-0	EC number: 200-661-7	
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
The full text for all hazard statements	is displayed in Section 16.	
SECTION 4: First aid measures		

4.1. Description of first aid measures		
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	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.	
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	May cause discomfort if swallowed.	
Skin contact	Prolonged skin contact may cause redness and irritation.	
Eye contact	May cause irritation.	
4.3. Indication of any immediat	e medical attention and special treatment needed	
Notes for the doctor	Treat symptomatically. Keep affected person under observation.	
SECTION 5: Firefighting measure	ures	
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.	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
5.2. Special hazards arising fro	m 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 will provide a basic level of protection for chemical incidents.	
SECTION 6: Accidental release measures		
6.1. Personal precautions, prot	ective 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.	
5.3. Methods and material for containment and cleaning up		

Methods for cleaning up 6.4. Reference to other section	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.
Reference to other sections	See Section 11 for additional information on health hazards. For waste disposal, see Section 13.
SECTION 7: Handling and st	orage
7.1. Precautions for safe hand	dling
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	ge, 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 contro	Is/Personal protection
	iour TWA): WEL 400 ppm 999 mg/m³ -minute): WEL 500 ppm 1250 mg/m³ Limit.
	Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)
DNEL	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
PNEC	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

Sediment (Marinewater); 0.019 mg/kg Soil; 0.035 mg/kg

#### Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

DNEL	Workers - Inhalation; Long term systemic effects: 152.22 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 2158.33 mg/kg/day General population - Inhalation; Long term systemic effects: 45.04 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 1295 mg/kg/day General population - Oral; Long term systemic effects: 12.95 mg/kg/day
PNEC	Fresh water; 0.024 mg/l Fresh water, Intermittent release; 0.02 mg/l marine water; 0.002 mg/l STP; 4 mg/l Sediment (Freshwater); 0.767 mg/kg Sediment (Marinewater); 0.077 mg/kg Soil; 1.21 mg/kg
Alcoho	ls, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)
DNEL	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>
PNEC	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
	propan-2-ol (CAS: 67-63-0)
DNEL	Workers - Inhalation; Long term systemic effects: 500 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 888 mg/kg/day General population - Inhalation; Long term systemic effects: 89 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 319 mg/kg/day General population - Oral; Long term systemic effects: 26 mg/kg/day
PNEC	<ul> <li>Fresh water; 140.9 mg/l</li> <li>marine water; 140.9 mg/l</li> <li>STP; 2251 mg/l</li> <li>Sediment (Freshwater); 552 mg/kg</li> <li>Sediment (Marinewater); 552 mg/kg</li> <li>Soil; 28 mg/kg</li> <li>Oral; 160 mg/kg</li> </ul>
sure controls	

#### 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 'UKCA'-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	Liquid.	
Odour	Citrus.	
Odour threshold	Not determined.	
рН	pH (concentrated solution): 8.15	
Melting point	Not relevant.	
Initial boiling point and range	Not determined.	
Flash point	Not determined.	
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	175 cSt @ 40°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.	
SECTION 10: Stability and rea	activity	
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	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		
10.6. Hazardous decomposition	on products	
10.6. Hazardous decomposition Hazardous decomposition products	on products None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.	
Hazardous decomposition	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.	
Hazardous decomposition products	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. formation ical effects	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral Notes (oral LD <sub>50</sub> )	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.  formation ical effects Based on available data the classification criteria are not met.	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. formation ical effects	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. formation ical effects Based on available data the classification criteria are not met. 21,008.4	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> )	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. formation ical effects Based on available data the classification criteria are not met.	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) ATE dermal (mg/kg)	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. formation ical effects Based on available data the classification criteria are not met. 21,008.4 Based on available data the classification criteria are not met.	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> )	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. formation ical effects Based on available data the classification criteria are not met. 21,008.4 Based on available data the classification criteria are not met.	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) ATE dermal (mg/kg) Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. formation ical effects Based on available data the classification criteria are not met. 21,008.4 Based on available data the classification criteria are not met. 46,218.49 Based on available data the classification criteria are not met.	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) ATE dermal (mg/kg) Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation Skin corrosion/irritation	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. formation ical effects Based on available data the classification criteria are not met. 21,008.4 Based on available data the classification criteria are not met. 46,218.49	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) ATE dermal (mg/kg) Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.         formation         ical effects         Based on available data the classification criteria are not met.         21,008.4         Based on available data the classification criteria are not met.         46,218.49         Based on available data the classification criteria are not met.         Based on available data the classification criteria are not met.	
Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicolog Acute toxicity - oral Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) ATE dermal (mg/kg) Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation Skin corrosion/irritation	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.         formation         ical effects         Based on available data the classification criteria are not met.         21,008.4         Based on available data the classification criteria are not met.         46,218.49         Based on available data the classification criteria are not met.         Based on available data the classification criteria are not met.	

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 - fertilit	<b>y</b> 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.
	Sodium dodecylbenzenesulfonate
Acute toxicity -	oral
Notes (oral LD	Acute Tox. 4 - H302 cATpE: Converted acute toxicity point estimate.
ATE oral (mg/k	<b>g)</b> 500.0
Acute toxicity -	dermal
Notes (dermal	<b>LD50)</b> Acute Tox. 4 - H312 cATpE: Converted acute toxicity point estimate.
ATE dermal (m	<b>ig/kg)</b> 1,100.0
Serious eye da	mage/irritation
Serious eye damage/irritatio	Eye Irrit. 2 - H319 on
	d-Limonene
A	
	oral
Acute toxicity -	
Notes (oral LD	<ul> <li>&gt; 2000 mg/kg Rat REACH dossier information. Read-across data.</li> </ul>
Notes (oral LD Skin corrosion/	<ul> <li>&gt; 2000 mg/kg Rat REACH dossier information. Read-across data.</li> <li>irritation</li> </ul>
Notes (oral LD Skin corrosion/ Animal data	<ul> <li>&gt; 2000 mg/kg Rat REACH dossier information. Read-across data.</li> <li>irritation</li> <li>Irritating to skin. REACH dossier information.</li> </ul>
Notes (oral LD Skin corrosion/ Animal data Serious eye da	<ul> <li>&gt; 2000 mg/kg Rat REACH dossier information. Read-across data.</li> <li>irritation</li> <li>Irritating to skin. REACH dossier information.</li> <li>image/irritation</li> </ul>
Notes (oral LD Skin corrosion/ Animal data	<ul> <li>&gt; 2000 mg/kg Rat REACH dossier information. Read-across data.</li> <li>irritation         Irritating to skin. REACH dossier information.     </li> <li>image/irritation         Dose: 0.1 ml, 7 days, Rabbit REACH dossier information. Not irritating.     </li> </ul>
Notes (oral LD Skin corrosion/ Animal data Serious eye da Serious eye	<ul> <li>&gt; 2000 mg/kg Rat REACH dossier information. Read-across data.</li> <li>irritation</li> <li>Irritating to skin. REACH dossier information.</li> <li>image/irritation</li> <li>Dose: 0.1 ml, 7 days, Rabbit REACH dossier information. Not irritating.</li> </ul>
Notes (oral LDs Skin corrosion/ Animal data <u>Serious eye da</u> Serious eye damage/irritatio	so) > 2000 mg/kg Rat REACH dossier information. Read-across data. irritation Irritating to skin. REACH dossier information. image/irritation Dose: 0.1 ml, 7 days, Rabbit REACH dossier information. Not irritating. on
Notes (oral LD Skin corrosion/ Animal data Serious eye da Serious eye damage/irritation	<ul> <li>&gt; 2000 mg/kg Rat REACH dossier information. Read-across data.</li> <li>irritation         <ul> <li>Irritating to skin. REACH dossier information.</li> <li>image/irritation             <ul></ul></li></ul></li></ul>
Notes (oral LD Skin corrosion/ Animal data Serious eye da Serious eye damage/irritatio Skin sensitisati	so) > 2000 mg/kg Rat REACH dossier information. Read-across data. irritation Irritating to skin. REACH dossier information. image/irritation Dose: 0.1 ml, 7 days, Rabbit REACH dossier information. Not irritating. on on on on Local Lymph Node Assay (LLNA) - Mouse: Sensitising. 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	
	propan-2-ol	
Acute toxicity - oral		
Acute toxicity oral (LD₅₀ mg/kg)	5,840.0	
Species	Rat	
Notes (oral LD <sub>50</sub> )	REACH dossier information.	
ATE oral (mg/kg)	5,840.0	
Skin corrosion/irritation		
Animal data	Primary dermal irritation index: 0/4 Erythema/eschar score: Oedema score: REACH dossier information.	
Serious eye damage/irritat	ion	
Serious eye damage/irritation	Dose: 0.1 ml, 1 second, Rabbit REACH dossier information. Irritating.	
Skin sensitisation		
Skin sensitisation	Buehler test - Guinea pig: Not 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.	
Carcinogenicity		
Carcinogenicity	NOEL 5000 ppm, Inhalation, Rat REACH dossier information.	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.	
Specific target organ toxici	ty - single exposure	
STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness.	
Specific target organ toxicity - repeated exposure		
STOT - repeated exposure NOAEC 5000 ppm, Inhalation, Rat REACH dossier information.		
2: Ecological information		

Ecotoxicity

Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Ecological information on ingredients.

#### d-Limonene

Acute aquatic toxicity	
LE(C)50	$0.1 < L(E)C50 \le 1$
M factor (Acute)	1
Acute toxicity - fish	LC₅₀, 96 hours: 0.720 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 0.36 mg/l, Daphnia magna REACH dossier information.
Acute toxicity - aquatic plants	EC₅₀, 72 hours: 150 mg/l, Desmodesmus subspicatus REACH dossier information. Read-across data.
Acute toxicity - microorganisms	EC₅₀, 3 hours: 209 mg/l, Activated sludge REACH dossier information. Read-across data.
	propan-2-ol
Acute aquatic toxicity	
Acute toxicity - fish	LC₅₀, 96 hours: 10000 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
Acute toxicity - aquatic invertebrates	LC₅₀, 24 hours: > 10000 mg/l, Daphnia magna REACH dossier information.
12.2. Persistence and degradability	
Persistence and degradability No data available.	

Ecological information on ingredients.

#### 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.

#### propan-2-ol

	<u> </u>	
Biodegradation	Water - Degradation (53%): 5 days REACH dossier information.	
Biological oxygen deman	<b>d</b> 1.19 - 1.72 g O <sub>2</sub> /g substance REACH dossier information.	
Chemical oxygen demand	<b>d</b> 2.23 g $O_2/g$ substance REACH dossier information.	
12.3. Bioaccumulative potential		
Bioaccumulative potential No dat	a available on bioaccumulation.	
Partition coefficient Not de	termined.	

#### Ecological information on ingredients.

#### d-Limonene

Bioaccumulative	e potential BCF: 1022, REACH dossier information. QSAR	
Biodocumulative		
Partition coeffici	cient log Pow: 4.38 REACH dossier information.	
12.4. Mobility in soil		
Mobility	The product is soluble in water.	
Ecological information on ing	jredients.	
	d-Limonene	
Adsorption/desc coefficient	orption Water - Koc : 1984 REACH dossier information. QSAR	
12.5. Results of PBT and vPv	vB assessment	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.	
Ecological information on ing	jredients.	
	d-Limonene	
Results of PBT assessment	<b>and vPvB</b> This substance is not classified as PBT or vPvB according to current UK criteria.	
12.6. Other adverse effects		
Other adverse effects	Not determined.	
SECTION 13: Disposal consi	iderations	
13.1. Waste treatment metho	ods	
General information	Dispose of waste product or used containers in accordance with local regulations	
Disposal methods	Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.	
SECTION 14: Transport infor	· · ·	
SECTION 14: Transport infor General	· · ·	
General	rmation The product is not covered by international regulations on the transport of dangerous goods	
	rmation The product is not covered by international regulations on the transport of dangerous goods	
General 14.1. UN number Not applicable.	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
General 14.1. UN number Not applicable. 14.2. UN proper shipping nar	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
General 14.1. UN number Not applicable. 14.2. UN proper shipping nar Not applicable.	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
General 14.1. UN number	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
General <u>14.1. UN number</u> Not applicable. <u>14.2. UN proper shipping nar</u> Not applicable. <u>14.3. Transport hazard class</u> No transport warning sign rec	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
General <u>14.1. UN number</u> Not applicable. <u>14.2. UN proper shipping nar</u> Not applicable. <u>14.3. Transport hazard class</u>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	

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.
	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).

#### 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. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. BCF: Bioconcentration Factor.
Revision comments	Revised classification.
Revision date	30/03/2022
Revision	18
Supersedes date	19/10/2021
SDS number	189

Hazard statements in full	<ul> <li>H225 Highly flammable liquid and vapour.</li> <li>H226 Flammable liquid and vapour.</li> <li>H302 Harmful if swallowed.</li> <li>H304 May be fatal if swallowed and enters airways.</li> <li>H312 Harmful in contact with skin.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H319 Causes serious eye irritation.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H400 Very toxic to aquatic life.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> <li>EUH208 Contains d-Limonene. May produce an allergic reaction.</li> </ul>

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