

# SAFETY DATA SHEET Armor All® Disinfectant Wipes

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® Disinfectant Wipes	
Product number	78024, 78020	
1.2. Relevant identified uses of the substance or mixture and uses advised against		
Identified uses	Disinfectant surface cleaning wipe.	
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 nu	Imber	
Emergency telephone	+44 1495 350234 Monday - Thursday: 0830 - 1700 Friday: 0830 - 1530	
SECTION 2: Hazards identified	cation	
2.1. Classification of the subs	tance or mixture	
Classification (SI 2019 No. 72	20)	
Physical hazards	Not Classified	
Health hazards	Not Classified	
Environmental hazards	Aquatic Chronic 3 - H412	
2.2. Label elements		
Hazard statements	H412 Harmful to aquatic life with long lasting effects.	
Precautionary statements	P102 Keep out of reach of children. P273 Avoid release to the environment. P501 Dispose of contents/ container in accordance with national regulations.	
Biocide Labelling	Disinfectants: 0.132g Benzalkonium chloride and 0.132g Didecyldimethyl ammonium chloride and 0.132g Alkyldimethylethylbenzyl ammonium chloride per 100g of liquid.	
Detergent labelling	< 5% disinfectants, < 5% perfumes, Contains CITRAL	
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		
propan-2-ol		1 - <2.5%
CAS number: 67-63-0	EC number: 200-661-7	
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
Quaternary ammonium compounds, b alkyldimethyl, chlorides	penzyl-C12-16-	0.025 - <0.25%
CAS number: 68424-85-1	EC number: 270-325-2	
M factor (Acute) = 10	M factor (Chronic) = 1	
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Quaternary ammonium compounds, ( alkyl[(ethylphenyl)methyl]dimethyl, ch		0.025 - <0.25%
CAS number: 85409-23-0	EC number: 287-090-7	
M factor (Acute) = 10	M factor (Chronic) = 1	
Classification		
Acute Tox. 4 - H302		
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
didecyldimethylammonium chloride		0.025 - <0.25%
CAS number: 7173-51-5	EC number: 230-525-2	
M factor (Acute) = 10		
M factor (Acute) = 10 Classification		
Classification Acute Tox. 3 - H301		
<b>Classification</b> Acute Tox. 3 - H301 Skin Corr. 1B - H314		
Classification Acute Tox. 3 - H301		

ethyl acetate		<0.025%
CAS number: 141-78-6	EC number: 205-500-4	<b>\0.025</b> %
CAS humber: 141-76-0	EC humber: 203-300-4	
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
Turpentine, oil		<0.025%
CAS number: 8006-64-2	EC number: 232-350-7	
Classification		
Flam. Liq. 2 - H225		
Acute Tox. 4 - H302		
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		
Ethanol		<0.025%
CAS number: 64-17-5	EC number: 200-578-6	0102070
Substance with National workplace exp		
Classification		
Flam. Liq. 2 - H225		
(2-methoxymethylethoxy)propanol		<0.025%
CAS number: 34590-94-8	EC number: 252-104-2	
Classification		
Not Classified		
toluene		<0.025%
CAS number: 108-88-3	EC number: 203-625-9	
Classification		
Flam. Liq. 2 - H225		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Repr. 2 - H361d		
STOT SE 3 - H336		
STOT RE 2 - H373		
Asp. Tox. 1 - H304		
Aquatic Chronic 3 - H412		

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

### **SECTION 4: First aid measures**

4.1. Description of first aid	Imeasures
General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Inhalation	If throat irritation or coughing persists, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms are severe or persist.
Skin contact	Brush off loose particles from skin. Wash with plenty of water. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist after washing.
4.2. Most important sympt	oms and effects, both acute and delayed
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Drowsiness. Dizziness.
Ingestion	Due to the physical nature of this product, it is unlikely that ingestion will occur. May cause discomfort if swallowed.
Skin contact	Due to the physical nature of this product, exposure by this route is unlikely. Prolonged skin contact may cause redness and irritation.
Eye contact	Due to the physical nature of this product, exposure by this route is unlikely. May cause irritation.
4.3. Indication of any imm	ediate medical attention and special treatment needed
Notes for the doctor	Treat symptomatically. Keep affected person under observation.
SECTION 5: Firefighting n	neasures
5.1. Extinguishing media	

#### Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-Suitable extinguishing media extinguishing media suitable for the surrounding fire. Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media 5.2. Special hazards arising from the substance or mixture Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up. Hazardous combustion Thermal decomposition or combustion products may include the following substances: Oxides products of carbon. Toxic gases or vapours. 5.3. Advice for firefighters Protective actions during Use water to keep fire exposed containers cool and disperse vapours. firefighting

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	e measures
6.1. Personal precautions, pro	tective 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 precaution	<u>s</u>
Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Avoid release to the environment.
6.3. Methods and material for	containment and cleaning up
Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Eliminate all ignition sources if safe to do so. Do not touch or walk into spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Use only non-sparking tools. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.
6.4. Reference to other section	ns
Reference to other sections	See Section 11 for additional information on health hazards. For waste disposal, see Section 13.
SECTION 7: Handling and sto	rage
7.1. Precautions for safe hand	ling
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 storag	e, 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 control	s/Personal protection
8.1. Control parameters Occupational exposure limits	

### propan-2-ol

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

### ethyl acetate

Long-term exposure limit (8-hour TWA): WEL 200 ppm 734 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 400 ppm 1468 mg/m<sup>3</sup>

### Turpentine, oil

Long-term exposure limit (8-hour TWA): WEL 100 ppm 566 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 150 ppm 850 mg/m<sup>3</sup>

### Ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

### (2-methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m<sup>3</sup> Sk

### toluene

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m<sup>3</sup> Sk

WEL = Workplace Exposure Limit. Sk = Can be absorbed through the skin.

### 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>
	didecyldimethylammonium chloride (CAS: 7173-51-5)
PNEC	Fresh water; 1.1 µg/l marine water; 0.11 µg/l STP; 0.14 mg/l Sediment (Freshwater); 61.86 mg/kg Sediment (Marinewater); 6.186 mg/kg Soil; 1.4 mg/kg nium compounds, benzyl-C12-16-alkyldimethyl, chlorides (CAS: 68424-85-1)
DNEL	Workers - Inhalation; Long term systemic effects: 3.96 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day General population - Inhalation; Long term systemic effects: 1.64 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 3.4 mg/kg/day General population - Oral; Long term systemic effects: 3.4 mg/kg/day
PNEC	Fresh water; 0.001 mg/l marine water; 0.001 mg/l STP; 0.4 mg/l Sediment (Freshwater); 12.27 mg/kg Sediment (Marinewater); 13.09 mg/kg Soil; 7 mg/kg

### Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (CAS: 85409-23-0)

DNEL	Workers - Inhalation; Long term local effects: 1 mg/m <sup>3</sup> General population - Inhalation; Long term local effects: 1 mg/m <sup>3</sup>
PNEC	Fresh water; 0.415 µg/l Fresh water, Intermittent release; 0.154 µg/l marine water, Intermittent release; 0.154 µg/l STP; 210 µg/l Sediment (Freshwater); 6.81 mg/kg Sediment (Marinewater); 0.681 mg/kg Soil; 1.36 mg/kg
	Linalool (CAS: 78-70-6)
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; Short 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 - Dermal; Short term local effects: 1.5 mg/cm <sup>2</sup> General population - Oral; Long term systemic effects: 0.2 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
sure controls	

### 8.2. Exposure controls



Appropriate engineering controls

Eye/face protection

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.

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	Solid.
Colour	White.
Odour	Citrus.
Odour threshold	Not determined.
рН	pH (concentrated solution): 7 Liquid.
Melting point	Not determined.
Initial boiling point and range	> 35°C Liquid.
Flash point	> 93°C Liquid.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	Not determined.
Bulk density	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.

Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.
9.2. Other information	
Other information	No information required.
SECTION 10: Stability and 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	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 decompositio	on products
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO2). Carbon monoxide (CO). Toxic gases or vapours.
SECTION 11: Toxicological in	formation
11.1. Information on toxicologi	ical effects
Acute toxicity - oral	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	
	75,007.5
Acute toxicity - dermal Notes (dermal LD <sub>50</sub> )	75,007.5 Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation	Based on available data the classification criteria are not met.
Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation Skin corrosion/irritation Serious eye damage/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation Skin corrosion/irritation Serious eye damage/irritation Serious eye damage/irritation Respiratory sensitisation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.

Genotoxicity	<b>/-in vivo</b> Ba	ased or	available data the classification criteria are not met.
Carcinogeni			
Carcinogeni		ased or	available data the classification criteria are not met.
Reproductiv	e toxicity		
Reproductiv	<b>e toxicity - fertility</b> Ba	ased or	available data the classification criteria are not met.
	jet organ toxicity - sing		
STOT - sing	l <b>e exposure</b> Ba	ased or	available data the classification criteria are not met.
	jet organ toxicity - repe		
-	•	ased or	available data the classification criteria are not met.
Aspiration h			available data the classification criteria are not met.
Aspiration h			
Toxicologica	al information on ingred	dients.	
			propan-2-ol
	Acute toxicity - oral		
	Acute toxicity oral (LI mg/kg)	D50	5,840.0
	Species		Rat
	Notes (oral LD₅₀)		REACH dossier information.
	ATE oral (mg/kg)		5,840.0
	Skin corrosion/irritation	on	
	Animal data		Primary dermal irritation index: 0/4 Erythema/eschar score: Oedema score: REACH dossier information.
	Serious eye damage/	/irritatio	n
	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 mutagenici	ity	
	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	toxicit	y - single exposure
	STOT - single exposi	ure	STOT SE 3 - H336 May cause drowsiness or dizziness.
	Specific target organ	toxicit	/ - repeated exposure
	STOT - repeated exp	osure	NOAEC 5000 ppm, Inhalation, Rat REACH dossier information.
	2: Ecological informati		

SECTION 12: Ecological information

### 12.1. Toxicity

Toxicity

Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

## Ecological information on ingredients.

## 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.

### Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Acute aquatic toxicity		
LE(C)50	$0.01 < L(E)C50 \le 0.1$	
M factor (Acute)	10	
Acute toxicity - fish	LC₅₀, 96 hours: 0.456 mg/l, Lepomis macrochirus (Bluegill)	
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 0.016 mg/l, Daphnia magna	
Acute toxicity - aquatic plants	EC₅₀, 72 hours: 0.049 mg/l, Pseudokirchneriella subcapitata	
Acute toxicity - microorganisms	EC₅₀, 3 hours: 7.75 mg/l, Activated sludge	
Acute toxicity - terrestrial	LC₅₀, 14 days: 7070 mg/kg, Eisenia Fetida (Earthworm)	
Chronic aquatic toxicity		
M factor (Chronic)	1	
Chronic toxicity - fish early life stage	NOEC, 34 days: 0.032 mg/l, Pimephales promelas (Fat-head Minnow)	
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.0042 mg/l, Daphnia magna	
Quaternary am	monium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	
Acute aquatic toxicity		
LE(C)50	$0.01 < L(E)C50 \le 0.1$	
M factor (Acute)	10	
Acute toxicity - fish	LC₅₀, 96 hours: 0.259 mg/l, Oncorhynchus mykiss (Rainbow trout)	
Chronic aquatic toxicity		
M factor (Chronic)	1	
didecyldimethylammonium chloride		
Acute aquatic toxicity		
LE(C)50	$0.01 < L(E)C50 \le 0.1$	

	M factor (Acute)	10		
	Acute toxicity - fish	LC₅₀, 96 hours: 0.49 mg/l, Brachydanio rerio (Zebra Fish)		
	Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 0.029 mg/l, Daphnia magna		
	Acute toxicity - aquatic plants	EC₅₀, 72 hours: 0.062 mg/l, Pseudokirchneriella subcapitata		
	Chronic aquatic toxicity			
	Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.021 mg/l, Daphnia magna		
12.2. Persis	tence and degradability			
Persistence	and degradability No data	a available.		
Ecological in	nformation on ingredients.			
		propan-2-ol		
	Biodegradation	Water - Degradation (53%): 5 days REACH dossier information.		
	Biological oxygen demand	I 1.19 - 1.72 g O₂/g substance REACH dossier information.		
	Chemical oxygen demand	2.23 g O₂/g substance REACH dossier information.		
	Quaterr	nary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides		
	Phototransformation	Air - DT₅₀ : 0.25 days		
	Biodegradation	Water - Degradation 95.5%: 28 days		
	Diodogradation	The substance is readily biodegradable.		
		didecyldimethylammonium chloride		
	Biodegradation	Water - Degradation 71%: 28 days The substance is readily biodegradable.		
12.3. Bioaco	cumulative potential			
Bioaccumul	ative potential No data	available on bioaccumulation.		
Partition coe	efficient Not det	ermined.		
Ecological in	nformation on ingredients.			
	Quaterr	nary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides		
	Bioaccumulative potential	BCF: 79, Lepomis macrochirus (Bluegill)		
12.4. Mobili	ty in soil			
Mobility	The pro	duct is partly soluble in water and may spread in the aquatic environment.		
Ecological information on ingredients.				
	Quater	nary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides		
	Mobility	Soluble in water.		
12.5. Results of PBT and vPvB assessment				

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

### Ecological information on ingredients.

### Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

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

### 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
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 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

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National regulationsEH40/2005 Workplace exposure limits.<br/>The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended).<br/>The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)<br/>(Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended).
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### 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	<ul> <li>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</li> <li>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</li> <li>IMDG: International Maritime Dangerous Goods.</li> <li>IATA: International Air Transport Association.</li> <li>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</li> <li>ATE: Acute Toxicity Estimate.</li> <li>DNEL: Derived No Effect Level.</li> <li>LC50: Lethal Concentration to 50 % of a test population.</li> <li>LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).</li> <li>PBT: Persistent, Bioaccumulative and Toxic substance.</li> <li>vPvB: Very Persistent and Very Bioaccumulative.</li> <li>BCF: Bioconcentration Factor.</li> </ul>		
Classification procedures according to SI 2019 No. 720	Not classified.: Calculation method.		
Revision comments	Revised formulation.		
Revision date	07/10/2021		
Revision	2		
Supersedes date	18/08/2021		
SDS number	1065		
Hazard statements in full	<ul> <li>H225 Highly flammable liquid and vapour.</li> <li>H301 Toxic if swallowed.</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>H314 Causes severe skin burns and eye damage.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H332 Harmful if inhaled.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H361d Suspected of damaging the unborn child.</li> <li>H373 May cause damage to organs through prolonged or repeated exposure.</li> <li>H400 Very toxic to aquatic life.</li> <li>H410 Very toxic to aquatic life with long lasting effects.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>		

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