



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 number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards 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

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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 | REACH registration number: 01-2119457558-25-XXXX |

Classification

Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

| | | |
|--|------------------------|--|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | | 0.025 - <0.25% |
| CAS number: 68424-85-1 | EC number: 270-325-2 | REACH registration number: 01-2119970550-39-XXXX |
| 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, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides | | 0.025 - <0.25% |
| CAS number: 85409-23-0 | EC number: 287-090-7 | REACH registration number: 01-2120771812-51-XXXX |
| 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

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| | | |
|--|----------------------|--|
| didecyldimethylammonium chloride | | 0.025 - <0.25% |
| CAS number: 7173-51-5 | EC number: 230-525-2 | REACH registration number: 01-2119945987-15-XXXX |
| M factor (Acute) = 10 | | |
| Classification | | |
| Acute Tox. 3 - H301 | | |
| Skin Corr. 1B - H314 | | |
| Aquatic Acute 1 - H400 | | |
| Aquatic Chronic 2 - H411 | | |
| ethyl acetate | | <0.025% |
| CAS number: 141-78-6 | EC number: 205-500-4 | |
| 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 | |
| Substance with National workplace exposure limits. | | |
| Classification | | |
| Flam. Liq. 2 - H225 | | |
| (2-methoxymethylethoxy)propanol | | <0.025% |
| CAS number: 34590-94-8 | EC number: 252-104-2 | REACH registration number: 01-2119450011-60-XXXX |
| Classification | | |
| Not Classified | | |

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| | | |
|--------------------------|----------------------|-------------------|
| 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 measures

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

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

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

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

| | |
|-----------------------------|--|
| Notes for the doctor | Treat symptomatically. Keep affected person under observation. |
|-----------------------------|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

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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 from the substance or mixture

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

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

5.3. Advice for firefighters

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

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

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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

Occupational exposure limits

propan-2-ol

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

ethyl acetate

Long-term exposure limit (8-hour TWA): WEL 200 ppm 734 mg/m³

Short-term exposure limit (15-minute): WEL 400 ppm 1468 mg/m³

Turpentine, oil

Long-term exposure limit (8-hour TWA): WEL 100 ppm 566 mg/m³

Short-term exposure limit (15-minute): WEL 150 ppm 850 mg/m³

Ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

(2-methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³

Sk

toluene

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³

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/m³

Workers - Dermal; Long term systemic effects: 888 mg/kg/day

General population - Inhalation; Long term systemic effects: 89 mg/m³

General population - Dermal; Long term systemic effects: 319 mg/kg/day

General population - Oral; Long term systemic effects: 26 mg/kg/day

PNEC

- Fresh water; 140.9 mg/l

- marine water; 140.9 mg/l

- STP; 2251 mg/l

- Sediment (Freshwater); 552 mg/kg

- Sediment (Marinewater); 552 mg/kg

- Soil; 28 mg/kg

- Oral; 160 mg/kg

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

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Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (CAS: 68424-85-1)

| | |
|-------------|---|
| DNEL | Workers - Inhalation; Long term systemic effects: 3.96 mg/m ³ |
| | Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day |
| | General population - Inhalation; Long term systemic effects: 1.64 mg/m ³ |
| | 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 ³ |
| | General population - Inhalation; Long term local effects: 1 mg/m ³ |
| PNEC | Fresh water; 0.415 µg/l |
| | Fresh water, Intermittent release; 0.154 µg/l |
| | marine water; 0.042 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 ³ |
| | Workers - Inhalation; Short term systemic effects: 16.5 mg/m ³ |
| | 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 ² |
| | Workers - Dermal; Short term local effects: 3 mg/cm ² |
| | General population - Inhalation; Long term systemic effects: 0.7 mg/m ³ |
| | General population - Inhalation; Short term systemic effects: 4.1 mg/m ³ |
| | 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 ² |
| | General population - Dermal; Short term local effects: 1.5 mg/cm ² |
| | 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

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Protective equipment



Appropriate engineering controls

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

Eye/face protection

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

Hand protection

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

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

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

Respiratory protection

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

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------------------------|
| Appearance | Solid. |
| Colour | White. |
| Odour | Citrus. |
| Odour threshold | Not determined. |
| pH | 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. |

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| | |
|----------------------------------|---|
| Relative density | Not determined. |
| Bulk density | Not determined. |
| Partition coefficient | Not determined. |
| Auto-ignition temperature | Not determined. |
| Decomposition Temperature | Not determined. |
| Viscosity | Not determined. |
| Explosive properties | Not considered to be explosive. |
| Oxidising properties | The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising. |

9.2. Other information

| | |
|--------------------------|--------------------------|
| Other information | No information required. |
|--------------------------|--------------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

| | |
|---|----------------------|
| Possibility of hazardous reactions | Will not polymerise. |
|---|----------------------|

10.4. Conditions to avoid

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

10.5. Incompatible materials

| | |
|---------------------------|-------------|
| Materials to avoid | None known. |
|---------------------------|-------------|

10.6. Hazardous decomposition products

| | |
|---|---|
| Hazardous decomposition products | Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Toxic gases or vapours. |
|---|---|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

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

| | |
|-------------------------|----------|
| ATE oral (mg/kg) | 75,007.5 |
|-------------------------|----------|

Acute toxicity - dermal

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

Acute toxicity - inhalation

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

Skin corrosion/irritation

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

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Serious eye damage/irritation

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

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

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

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

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

Toxicological information on ingredients.

propan-2-ol

Acute toxicity - oral

Acute toxicity oral (LD₅₀) 5,840.0
mg/kg

Species Rat

Notes (oral LD₅₀) 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/irritation

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

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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 toxicity - 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.

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 ≤ 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 ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

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| | |
|------------------------------|--|
| M factor (Acute) | 10 |
| Acute toxicity - fish | LC ₅₀ , 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)C ₅₀ ≤ 0.1 |
| M factor (Acute) | 10 |
| Acute toxicity - fish | LC ₅₀ , 96 hours: 0.49 mg/l, Brachydanio rerio (Zebra Fish) |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours: 0.029 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 72 hours: 0.062 mg/l, Pseudokirchneriella subcapitata |
| <u>Chronic aquatic toxicity</u> | |
| Chronic toxicity - aquatic invertebrates | NOEC, 21 days: 0.021 mg/l, Daphnia magna |

12.2. Persistence and degradability

Persistence and degradability No data available.

Ecological information on ingredients.

propan-2-ol

| | |
|---------------------------------|--|
| Biodegradation | Water - Degradation (53%): 5 days REACH dossier information. |
| Biological oxygen demand | 1.19 - 1.72 g O ₂ /g substance REACH dossier information. |
| Chemical oxygen demand | 2.23 g O ₂ /g substance REACH dossier information. |

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

| | |
|----------------------------|---|
| Phototransformation | Air - DT ₅₀ : 0.25 days |
| Biodegradation | Water - Degradation 95.5%: 28 days The substance is readily biodegradable. |

didecyldimethylammonium chloride

| | |
|-----------------------|---|
| Biodegradation | Water - Degradation 71%: 28 days The substance is readily biodegradable. |
|-----------------------|---|

12.3. Bioaccumulative potential

| | |
|----------------------------------|---------------------------------------|
| Bioaccumulative potential | No data available on bioaccumulation. |
| Partition coefficient | Not determined. |

Ecological information on ingredients.

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

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Bioaccumulative potential BCF: 79, Lepomis macrochirus (Bluegill)

12.4. Mobility in soil

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

Ecological information on ingredients.

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

Mobility Soluble in water.

12.5. Results of PBT and vPvB assessment

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

Ecological information on ingredients.

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

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

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

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

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). |
| 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

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| Abbreviations and acronyms used in the safety data sheet | ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IMDG: International Maritime Dangerous Goods. IATA: International Air Transport Association. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ATE: Acute Toxicity Estimate. DNEL: Derived No Effect Level. LC ₅₀ : Lethal Concentration to 50 % of a test population. LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. BCF: Bioconcentration Factor. |
| Classification procedures according to Regulation (EC) 1272/2008 | Not classified.: Calculation method. |
| Revision comments | Revised formulation. |
| Revision date | 07/10/2021 |
| Revision | 2 |
| Supersedes date | 18/08/2021 |
| SDS number | 1065 |

Armor All® Disinfectant Wipes

Hazard statements in full

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
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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