

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## Uniwipe Hand & Surface Disinfectant Wipes

Version number: 1.0

First version: 2021-01-15

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

#### 1.1 Product identifier

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| Trade name                  | <u>Uniwipe Hand &amp; Surface Disinfectant Wipes</u> |
| Product number              | 1025                                                 |
| Registration number (REACH) | Not relevant (mixture).                              |
| CAS number                  | not relevant (mixture)                               |

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

|                          |                              |
|--------------------------|------------------------------|
| Relevant identified uses | Anti-Bacterial Surface Wipes |
|--------------------------|------------------------------|

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

|                                     |                               |
|-------------------------------------|-------------------------------|
| Uniwipe Europe Ltd                  | Telephone: +44 (0) 3332419220 |
| Spectrum House, South View,         | e-mail: sales@nuvikeurope.com |
| Dales Ind Estate Peterhead AB42 3JF | Website: www.uniwipe.com      |
| United Kingdom                      |                               |

#### 1.4 Emergency telephone number

|                                                       |                           |
|-------------------------------------------------------|---------------------------|
| Emergency information service                         | +44 (0) 7848453662 (24 h) |
| As above or nearest toxicological information centre. |                           |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

| Classification |                                                       |          |                           |                  |
|----------------|-------------------------------------------------------|----------|---------------------------|------------------|
| Section        | Hazard class                                          | Category | Hazard class and category | Hazard statement |
| 4.1C           | hazardous to the aquatic environment - chronic hazard | 3        | Aquatic Chronic 3         | H412             |

For full text of abbreviations: see SECTION 16

#### The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

#### 2.2 Label elements

# Uniwipe Hand & Surface Disinfectant Wipes

## Labelling according to Regulation (EC) No 1272/2008 (CLP)

**Signal word** Not required.

**Pictograms** Not required.

### Hazard statements

**H412** Harmful to aquatic life with long lasting effects.

### Precautionary statements

**P273** Avoid release to the environment.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3 Other hazards

### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

#### Description of the mixture

| Hazardous ingredients                                                 |                                                                               |              |                                                                                                                        |                                                                                       |        |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| Name of substance                                                     | Identifier                                                                    | Wt%          | Classification acc. to GHS                                                                                             | Pictograms                                                                            | Notes  |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | CAS No<br>68424-85-1<br><br>EC No<br>270-325-2                                | 0.1 – < 1    | Acute Tox. 4 / H302<br>Skin Corr. 1B / H314<br>Eye Dam. 1 / H318<br>Aquatic Acute 1 / H400<br>Aquatic Chronic 1 / H410 |  |        |
| didecyldimethylammonium chloride                                      | CAS No<br>7173-51-5<br><br>EC No<br>230-525-2<br><br>Index No<br>612-131-00-6 | 0.01 – < 0.1 | Acute Tox. 3 / H301<br>Skin Corr. 1B / H314<br>Eye Dam. 1 / H318<br>Aquatic Acute 1 / H400<br>Aquatic Chronic 2 / H411 |  | GHS-HC |

#### Notes

GHS- Harmonised classification (the classification of the substance corresponds to the entry in the list according to  
HC: 1272/2008/EC, Annex VI)

# Uniwipe Hand & Surface Disinfectant Wipes

| Name of substance                                                     | Specific Conc. Limits | M-Factors               | ATE       | Exposure route |
|-----------------------------------------------------------------------|-----------------------|-------------------------|-----------|----------------|
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | -                     | M-factor (acute) = 10.0 | 795 mg/kg | oral           |
| didecyldimethylammonium chloride                                      | -                     | M-factor (acute) = 10.0 | 264 mg/kg | oral           |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

In the event of adverse reactions.

#### General notes

Self-protection of the first aider.

Take off immediately all contaminated clothing.

In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Remove person to fresh air and keep comfortable for breathing.

In case of respiratory tract irritation, consult a physician.

#### Following skin contact

Rinse skin with water/shower.

If skin irritation occurs: Get medical advice/attention.

#### Following eye contact

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

#### Following ingestion

Rinse mouth. Do not induce vomiting.

In case of accident or if you feel unwell, seek medical advice immediately (show the label or safety data sheet where possible).

#### Notes for the doctor

None.

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

These information are not available.

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

None.

# Uniwipe Hand & Surface Disinfectant Wipes

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

water spray, carbon dioxide (CO<sub>2</sub>), Co-ordinate firefighting measures to the fire surroundings

#### Unsuitable extinguishing media

water jet

### 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Section 10.

#### Hazardous combustion products

nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Co-ordinate firefighting measures to the fire surroundings.

Do not allow firefighting water to enter drains or water courses.

Collect contaminated firefighting water separately.

Fight fire with normal precautions from a reasonable distance.

#### Special protective equipment for firefighters

use suitable breathing apparatus

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Remove persons to safety.

Ventilate affected area.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water.

Retain contaminated washing water and dispose of it.

If substance has entered a water course or sewer, inform the responsible authority.

### 6.3 Methods and material for containment and cleaning up

#### Advice on how to clean up a spill

Collect spillage.

Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

#### Appropriate containment techniques

Use of adsorbent materials.

# Uniwipe Hand & Surface Disinfectant Wipes

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## **Other information relating to spills and releases**

Place in appropriate containers for disposal.  
Ventilate affected area.

## **6.4 Reference to other sections**

Hazardous combustion products: see section 5.  
Personal protective equipment: see section 8.  
Incompatible materials: see section 10.  
Disposal considerations: see section 13.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Avoid contact with eyes.

#### **Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation.

#### **Specific notes/details**

None.

#### **Measures to protect the environment**

Avoid release to the environment.

#### **Advice on general occupational hygiene**

Do not eat, drink and smoke in work areas.  
Wash hands after use.  
Remove contaminated clothing and protective equipment before entering eating areas.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Flammability hazards**

None.

#### **Incompatible substances or mixtures**

Incompatible materials: see section 10.

#### **Protect against external exposure, such as**

heat, frost, UV-radiation/sunlight

#### **Consideration of other advice**

These information are not available.

#### **Ventilation requirements**

Provision of sufficient ventilation.

#### **Specific designs for storage rooms or vessels**

Keep container tightly closed and in a well-ventilated place.  
Keep cool.

# Uniwipe Hand & Surface Disinfectant Wipes

Protect against UV-radiation/sunlight.

## Packaging compatibilities

Keep only in original container.

## 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| Relevant DNELs of components of the mixture                           |            |           |                        |                                    |                               |                            |
|-----------------------------------------------------------------------|------------|-----------|------------------------|------------------------------------|-------------------------------|----------------------------|
| Name of substance                                                     | CAS No     | End-point | Threshold level        | Protection goal, route of exposure | Used in                       | Exposure time              |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | DNEL      | 3.96 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry)             | chronic - systemic effects |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | DNEL      | 5.7 mg/kg bw/day       | human, dermal                      | worker (industry)             | chronic - systemic effects |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | DNEL      | 1.64 mg/m <sup>3</sup> | human, inhalatory                  | consumer (private households) | chronic - systemic effects |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | DNEL      | 3.4 mg/kg bw/day       | human, dermal                      | consumer (private households) | chronic - systemic effects |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | DNEL      | 3.4 mg/kg bw/day       | human, oral                        | consumer (private households) | chronic - systemic effects |

## Uniwipe Hand & Surface Disinfectant Wipes

| Relevant DNELs of components of the mixture |           |           |                        |                                    |                   |                            |
|---------------------------------------------|-----------|-----------|------------------------|------------------------------------|-------------------|----------------------------|
| Name of substance                           | CAS No    | End-point | Threshold level        | Protection goal, route of exposure | Used in           | Exposure time              |
| didecyldimethylammonium chloride            | 7173-51-5 | DNEL      | 18.2 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| didecyldimethylammonium chloride            | 7173-51-5 | DNEL      | 8.6 mg/kg bw/day       | human, dermal                      | worker (industry) | chronic - systemic effects |

  

| Relevant PNECs of components of the mixture                           |            |          |                 |                              |
|-----------------------------------------------------------------------|------------|----------|-----------------|------------------------------|
| Name of substance                                                     | CAS No     | Endpoint | Threshold level | Environmental compartment    |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | PNEC     | 0.001 mg/l      | freshwater                   |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | PNEC     | 0.001 mg/l      | marine water                 |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | PNEC     | 0.4 mg/l        | sewage treatment plant (STP) |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | PNEC     | 12.27 mg/kg     | freshwater sediment          |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | PNEC     | 13.09 mg/kg     | marine sediment              |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | PNEC     | 7 mg/kg         | soil                         |
| didecyldimethylammonium chloride                                      | 7173-51-5  | PNEC     | 1.1 µg/l        | freshwater                   |
| didecyldimethylammonium chloride                                      | 7173-51-5  | PNEC     | 0.11 µg/l       | marine water                 |
| didecyldimethylammonium chloride                                      | 7173-51-5  | PNEC     | 0.14 mg/l       | sewage treatment plant (STP) |
| didecyldimethylammonium chloride                                      | 7173-51-5  | PNEC     | 61.86 mg/kg     | freshwater sediment          |
| didecyldimethylammonium chloride                                      | 7173-51-5  | PNEC     | 6.186 mg/kg     | marine sediment              |

# Uniwipe Hand & Surface Disinfectant Wipes

| Relevant PNECs of components of the mixture |           |          |                 |                           |
|---------------------------------------------|-----------|----------|-----------------|---------------------------|
| Name of substance                           | CAS No    | Endpoint | Threshold level | Environmental compartment |
| didecyltrimethylammonium chloride           | 7173-51-5 | PNEC     | 1.4 mg/kg       | soil                      |

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Not required: Textile fabrics impregnated, Exposure route is unlikely.

#### Hand protection

Not required: Textile fabrics impregnated,

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### Environmental exposure controls

Use appropriate container to avoid environmental contamination.

Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                          |                                     |
|----------------------------------------------------------|-------------------------------------|
| Physical state                                           | liquid                              |
| Colour                                                   | These information are not available |
| Odour                                                    | These information are not available |
| Melting point/freezing point                             | Not determined                      |
| Boiling point or initial boiling point and boiling range | Not determined                      |
| Flammability                                             | Non-combustible                     |
| Lower and upper explosion limit                          | Not applicable                      |
| Flash point                                              | Not applicable                      |
| Auto-ignition temperature                                | Not applicable                      |
| Decomposition temperature                                | Not relevant                        |
| pH (value)                                               | Not determined                      |

# Uniwipe Hand & Surface Disinfectant Wipes

|                                                           |                                                                |
|-----------------------------------------------------------|----------------------------------------------------------------|
| <b>Kinematic viscosity</b>                                | Not determined                                                 |
| <b>Solubility(ies)</b>                                    |                                                                |
| Water solubility                                          | Not miscible in any proportion                                 |
| <b>Partition coefficient</b>                              |                                                                |
| n-octanol/water (log KOW)                                 | This information is not available                              |
| Vapour pressure                                           | Not determined                                                 |
| <b>Density and/or relative density</b>                    |                                                                |
| Density                                                   | These information are not available                            |
| Particle                                                  | Not relevant<br>(fluid)                                        |
| <b>Other safety parameters</b>                            |                                                                |
| Relative self-ignition temperature for solids             | Not relevant<br>(Fluid)                                        |
| <b>9.2 Other information</b>                              |                                                                |
| <b>Information with regard to physical hazard classes</b> | Hazard classes acc. to GHS (Physical hazards):<br>Not relevant |
| <b>Other safety characteristics</b>                       | There is no additional information                             |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

High temperatures (>200 °C/ 392 °F), UV-radiation/sunlight.

# Uniwipe Hand & Surface Disinfectant Wipes

## 10.5 Incompatible materials

strong oxidiser, anionic materials

## 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Classification procedure

If not otherwise specified the classification is based on:

Ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

##### Acute toxicity

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Test data are not available for the complete mixture.

| Acute toxicity of components of the mixture                           |            |                |          |             |             |
|-----------------------------------------------------------------------|------------|----------------|----------|-------------|-------------|
| Name of substance                                                     | CAS No     | Exposure route | Endpoint | Value       | Species     |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | oral           | LD50     | 795 mg/kg   | rat         |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | dermal         | LD50     | 3,412 mg/kg | rabbit      |
| didecyldimethylammonium chloride                                      | 7173-51-5  | oral           | LD50     | 264 mg/kg   | rat, female |
| didecyldimethylammonium chloride                                      | 7173-51-5  | dermal         | LD50     | 3,342 mg/kg | rabbit      |

##### Skin corrosion/irritation

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

##### Serious eye damage/eye irritation

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

# Uniwipe Hand & Surface Disinfectant Wipes

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## **Respiratory or skin sensitisation**

### **Skin sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### **Respiratory sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### **Germ cell mutagenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### **Carcinogenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### **Reproductive toxicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### **Specific target organ toxicity - single exposure**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### **Specific target organ toxicity - repeated exposure**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### **Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

## **11.2 Information on other hazards**

There is no additional information.

### **Endocrine disrupting properties**

None of the ingredients are listed.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Aquatic toxicity (acute)**

Test data are not available for the complete mixture.

# Uniwipe Hand & Surface Disinfectant Wipes

## Aquatic toxicity (acute) of components of the mixture

| Name of substance                                                     | CAS No     | Endpoint | Value      | Species                                          | Exposure time |
|-----------------------------------------------------------------------|------------|----------|------------|--------------------------------------------------|---------------|
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | LC50     | 0.515 mg/l | bluegill ( <i>Lepomis macrochirus</i> )          | 96 h          |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | ErC50    | 49 µg/l    | algae ( <i>pseudokirchneriella subcapitata</i> ) | 72 h          |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | EbC50    | 14 µg/l    | algae ( <i>pseudokirchneriella subcapitata</i> ) | 72 h          |
| didecyldimethylammonium chloride                                      | 7173-51-5  | LC50     | 0.49 mg/l  | zebra fish ( <i>Danio rerio</i> )                | 96 h          |
| didecyldimethylammonium chloride                                      | 7173-51-5  | EC50     | 0.029 mg/l | daphnia magna                                    | 48 h          |
| didecyldimethylammonium chloride                                      | 7173-51-5  | ErC50    | 0.062 mg/l | algae ( <i>pseudokirchneriella subcapitata</i> ) | 72 h          |

## Aquatic toxicity (chronic)

Harmful to aquatic life with long lasting effects.

Test data are not available for the complete mixture.

## Aquatic toxicity (chronic) of components of the mixture

| Name of substance                                                     | CAS No     | Endpoint | Value     | Species                                             | Method             | Source | Exposure time |
|-----------------------------------------------------------------------|------------|----------|-----------|-----------------------------------------------------|--------------------|--------|---------------|
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | LC50     | 94 µg/l   | fathead minnow ( <i>Pimephales promelas</i> )       | EPA OPP 72-4       | ECHA   | 28 d          |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | EC50     | 7.75 mg/l | activated sludge of a predominantly domestic sewage | OECD Guideline 209 | ECHA   | 3 h           |

## Uniwipe Hand & Surface Disinfectant Wipes

| Name of substance                                                     | CAS No     | Endpoint | Value      | Species                                             | Method             | Source | Exposure time |
|-----------------------------------------------------------------------|------------|----------|------------|-----------------------------------------------------|--------------------|--------|---------------|
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | EC50     | 11 mg/l    | activated sludge of a predominantly domestic sewage | OECD Guideline 209 | ECHA   | 30 min        |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | NOEC     | ≤1.2 µg/l  | algae (pseudokirchneriella subcapitata)             | OECD Guideline 201 | ECHA   | 72 h          |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | NOEC     | ≥4.15 µg/l | daphnia magna                                       | EPA OPP 72-4       | ECHA   | 21 d          |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | NOEC     | 32.2 µg/l  | fathead minnow (Pimephales promelas)                | EPA OPP 72-4       | ECHA   | 28 d          |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | NOEC     | 1.6 mg/l   | activated sludge of a predominantly domestic sewage | OECD Guideline 209 | ECHA   | 3 h           |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | LOEC     | 0.003 mg/l | algae (pseudokirchneriella subcapitata)             | OECD Guideline 201 | ECHA   | 96 h          |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | LOEC     | 0.025 mg/l | daphnia magna                                       | OECD Guideline 211 | ECHA   | 21 d          |

## Uniwipe Hand & Surface Disinfectant Wipes

| Name of substance                                                     | CAS No     | Endpoint               | Value      | Species                                             | Method             | Source | Exposure time |
|-----------------------------------------------------------------------|------------|------------------------|------------|-----------------------------------------------------|--------------------|--------|---------------|
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | growth (Eb-Cx) 0%      | 0.002 mg/l | algae (pseudokirchneriella subcapitata)             | OECD Guideline 201 | ECHA   | 96 h          |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | growth (Eb-Cx) 10%     | 4 mg/l     | activated sludge of a predominantly domestic sewage | OECD Guideline 209 | ECHA   | 30 min        |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | growth (Eb-Cx) 20%     | 5 mg/l     | activated sludge of a predominantly domestic sewage | OECD Guideline 209 | ECHA   | 30 min        |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | growth (Eb-Cx) 80%     | 24 mg/l    | activated sludge of a predominantly domestic sewage | OECD Guideline 209 | ECHA   | 30 min        |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | growth rate (ErCx) 10% | 0.009 mg/l | algae (pseudokirchneriella subcapitata)             | OECD Guideline 201 | ECHA   | 72 h          |
| didecyl-dimethylammonium chloride                                     | 7173-51-5  | EC50                   | 0.031 mg/l | daphnia magna                                       | OECD Guideline 201 | ECHA   | 21 d          |
| didecyl-dimethylammonium chloride                                     | 7173-51-5  | EC50                   | 0.062 mg/l | algae (pseudokirchneriella subcapitata)             | OECD Guideline 201 | ECHA   | 72 h          |
| didecyl-dimethylammonium chloride                                     | 7173-51-5  | NOEC                   | 0.013 mg/l | algae (pseudokirchneriella subcapitata)             | OECD Guideline 201 | ECHA   | 72 h          |
| didecyl-dimethylammonium chloride                                     | 7173-51-5  | NOEC                   | 0.021 mg/l | daphnia magna                                       | OECD Guideline 211 | ECHA   | 21 d          |

## Uniwipe Hand & Surface Disinfectant Wipes

| Name of substance                 | CAS No    | Endpoint | Value      | Species       | Method             | Source | Exposure time |
|-----------------------------------|-----------|----------|------------|---------------|--------------------|--------|---------------|
| didecyl-dimethylammonium chloride | 7173-51-5 | LOEC     | 0.047 mg/l | daphnia magna | OECD Guideline 201 | ECHA   | 21 d          |

### 12.2 Persistence and degradability

#### Degradability of components of the mixture

| Name of substance                                                     | CAS No     | Process                   | Degradation rate | Time | Method               | Source |
|-----------------------------------------------------------------------|------------|---------------------------|------------------|------|----------------------|--------|
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | oxygen depletion          | 63 %             | 28 d | OECD Guideline 301 D | ECHA   |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | carbon dioxide generation | 95.5 %           | 28 d | OECD Guideline 301 B | ECHA   |
| didecyl-dimethylammonium chloride                                     | 7173-51-5  | carbon dioxide generation | 67 %             | 28 d | OECD Guideline 301 B | ECHA   |
| didecyl-dimethylammonium chloride                                     | 7173-51-5  | oxygen depletion          | 69 %             | 28 d | OECD Guideline 301 D | ECHA   |

#### Biodegradation

No data available.

#### Persistence

No data available.

### 12.3 Bioaccumulative potential

Test data are not available for the complete mixture.

# Uniwipe Hand & Surface Disinfectant Wipes

## Bioaccumulative potential of components of the mixture

| Name of substance                                                     | CAS No     | BCF | Log KOW                   |
|-----------------------------------------------------------------------|------------|-----|---------------------------|
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | 79  | 0.004 (20 °C)             |
| didecyldimethylammonium chloride                                      | 7173-51-5  |     | 2.59 (pH value: 7, 20 °C) |

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

None of the ingredients are listed.

### 12.7 Other adverse effects

Data are not available.

#### Remarks

Wassergefährdungsklasse, WGK (water hazard class): 2

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packagings

Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions.

## SECTION 14: Transport information

|      |                            |              |
|------|----------------------------|--------------|
| 14.1 | UN number                  | Not assigned |
| 14.2 | UN proper shipping name    | -            |
| 14.3 | Transport hazard class(es) | -            |
| 14.4 | Packing group              | -            |
| 14.5 | Environmental hazards      | -            |

# Uniwipe Hand & Surface Disinfectant Wipes

- 14.6 Special precautions for user -
- 14.7 Maritime transport in bulk according to IMO -  
instruments

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Relevant provisions of the European Union (EU)

#### Restrictions according to REACH, Annex XVII

| Dangerous substances with restrictions (REACH, Annex XVII) |                                                                                                  |        |             |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------|-------------|
| Name of substance                                          | Name acc. to inventory                                                                           | CAS No | Restriction |
| Uniwipe Hand & Surface Disinfectant Wipes                  | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC |        | R3          |

#### Legend

- R3
1. Shall not be used in:
    - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
    - tricks and jokes,
    - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
  2. Articles not complying with paragraph 1 shall not be placed on the market.
  3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
    - can be used as fuel in decorative oil lamps for supply to the general public, and,
    - present an aspiration hazard and are labelled with R65 or H304,
  4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
  5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
    - (a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010, 'Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage';
    - (b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life threatening lung damage';
    - (c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
  6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.
  7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.

# Uniwipe Hand & Surface Disinfectant Wipes

## List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

## Seveso Directive

Not assigned.

## Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

None of the ingredients are listed.

## Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

## Regulation 648/2004/EC on detergents

| Labelling of contents |                                                             |
|-----------------------|-------------------------------------------------------------|
| Wt%                   | Constituents                                                |
|                       | preservation agents (BENZALKONIUM CHLORIDE, PHENOXYETHANOL) |

## Water Framework Directive (WFD)

Not all ingredients are listed.

| List of pollutants (WFD)                                              |                                                                                                 |        |           |         |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------|-----------|---------|
| Name of substance                                                     | Name acc. to inventory                                                                          | CAS No | Listed in | Remarks |
| didecyldimethylammonium chloride                                      | Organohalogen compounds and substances which may form such compounds in the aquatic environment |        | A)        |         |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Organohalogen compounds and substances which may form such compounds in the aquatic environment |        | A)        |         |

### Legend

A) Indicative list of the main pollutants

## Regulation 98/2013/EU on the marketing and use of explosives precursors

None of the ingredients are listed.

## Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

None of the ingredients are listed.

## Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

Chemicals subject to the international prior informed consent (PIC) procedure (the 'PIC procedure').

Not all ingredients are listed.

# Uniwipe Hand & Surface Disinfectant Wipes

| Name of substance                | CAS No    | Category / subcategory | Use limitation |
|----------------------------------|-----------|------------------------|----------------|
| didecyldimethylammonium chloride | 7173-51-5 | p(1)                   | b              |

## Legend

- b Use limitation: ban (for the sub-category or sub-categories concerned) according to Union legislation  
p(1) Sub-category: p(1) - pesticide in the group of plant protection products

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.  
Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

| Abbr.           | Descriptions of used abbreviations                                                                                                                                                                                    |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox.      | Acute toxicity                                                                                                                                                                                                        |
| ADN             | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR             | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)                                       |
| Aquatic Acute   | Hazardous to the aquatic environment - acute hazard                                                                                                                                                                   |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard                                                                                                                                                                 |
| ATE             | Acute Toxicity Estimate                                                                                                                                                                                               |
| BCF             | Bioconcentration factor                                                                                                                                                                                               |
| CAS             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)                                                                                                                |
| CLP             | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures                                                                                                                    |
| DGR             | Dangerous Goods Regulations (see IATA/DGR)                                                                                                                                                                            |
| DNEL            | Derived No-Effect Level                                                                                                                                                                                               |
| EbC50           | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control                                                |
| EC50            | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval                                      |
| EC No           | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)                                     |
| EINECS          | European Inventory of Existing Commercial Chemical Substances                                                                                                                                                         |
| ELINCS          | European List of Notified Chemical Substances                                                                                                                                                                         |

# Uniwipe Hand & Surface Disinfectant Wipes

| Abbr.       | Descriptions of used abbreviations                                                                                                                                                                                                                                                       |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ErC50       | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control                                                                                                                   |
| Eye Dam.    | Seriously damaging to the eye                                                                                                                                                                                                                                                            |
| Eye Irrit.  | Irritant to the eye                                                                                                                                                                                                                                                                      |
| GHS         | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations                                                                                                                                                                                |
| IATA        | International Air Transport Association                                                                                                                                                                                                                                                  |
| IATA/DGR    | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                                                                                                                                                                                                           |
| IMDG        | International Maritime Dangerous Goods Code                                                                                                                                                                                                                                              |
| index No    | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008                                                                                                                                                                 |
| LC50        | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval                                                                                                                                        |
| LD50        | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval                                                                                                                                                         |
| LOEC        | Lowest Observed Effect Concentration                                                                                                                                                                                                                                                     |
| log KOW     | n-Octanol/water                                                                                                                                                                                                                                                                          |
| M-factor    | Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present |
| NLP         | No-Longer Polymer                                                                                                                                                                                                                                                                        |
| NOEC        | No Observed Effect Concentration                                                                                                                                                                                                                                                         |
| PBT         | Persistent, Bioaccumulative and Toxic                                                                                                                                                                                                                                                    |
| PNEC        | Predicted No-Effect Concentration                                                                                                                                                                                                                                                        |
| REACH       | Registration, Evaluation, Authorisation and Restriction of Chemicals                                                                                                                                                                                                                     |
| RID         | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)                                                                                                                  |
| Skin Corr.  | Corrosive to skin                                                                                                                                                                                                                                                                        |
| Skin Irrit. | Irritant to skin                                                                                                                                                                                                                                                                         |
| SVHC        | Substance of Very High Concern                                                                                                                                                                                                                                                           |
| vPvB        | Very Persistent and very Bioaccumulative                                                                                                                                                                                                                                                 |

## Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

# Uniwipe Hand & Surface Disinfectant Wipes

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

## Classification procedure

Physical and chemical properties.

Health hazards.

Environmental hazards.

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

## List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text                                                  |
|------|-------------------------------------------------------|
| H301 | Toxic if swallowed.                                   |
| H302 | Harmful if swallowed.                                 |
| H314 | Causes severe skin burns and eye damage.              |
| H318 | Causes serious eye damage.                            |
| 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.    |

## Responsible for the safety data sheet

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## Disclaimer

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.