

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
 Issue date: 20/05/2021 Revision date: 20/01/2023 Supersedes version of: 12/10/2022 Version: 3.0

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : SOLUCLEAN WASHROOM DISINFECTANT  
 UFI : VC60-S0RV-H00W-OVDN  
 Product code : SCWS750WDP  
 Type of product : Biocidal products (e.g. Disinfectants, pest control) : End product  
 Product group

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use, Consumer use  
 Use of the substance/mixture : Disinfectant  
 Function or use category : Cleaning/washing agents and additives

##### 1.2.2. Uses advised against

No additional information available

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

Solupak Limited  
 California Drive  
 WF10 5QH Castleford – West Yorkshire  
 UK  
 T +44 (0)1924 565 120  
[sales@solupak.com](mailto:sales@solupak.com) - [www.solupak.com](http://www.solupak.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0)1924 565 120

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|   |      |
|---|------|
| Acute toxicity (oral), Category 4                                 | H302 |
| Skin corrosion/irritation, Category 1, Sub-Category 1A            | H314 |
| Serious eye damage/eye irritation, Category 1                     | H318 |
| Hazardous to the aquatic environment – Acute Hazard, Category 1   | H400 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 1 | H410 |

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

May cause damage to organs through prolonged or repeated exposure. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :

|   |   |  |
|---|---|--|
|  |  |  |
| GHS05   | GHS07   | GHS09  |

Signal word (CLP) : Danger  
 Contains : QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES; LONZABAC 12.100

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|                                |  |
|--------------------------------|--|
| Hazard statements (CLP)        | : H302 - Harmful if swallowed.<br>H314 - Causes severe skin burns and eye damage.<br>H410 - Very toxic to aquatic life with long lasting effects.  |
| Precautionary statements (CLP) | : P260 - Do not breathe dust.<br>P301+P312 - IF SWALLOWED: Call a POISON CENTER if you feel unwell.<br>P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.<br>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P102 - Keep out of reach of children. |
| EUH-statements                 | : EUH208 - Contains 1-(1,2,3,4,5,6,7,8,-OCTAHYDRO-2,3,8,8-TETRAMETHYL-NAPHTHALENYL)ETHANONE(54464-57-2). May produce an allergic reaction.   |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|-----------|---|
| QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES   | CAS-No.: 85409-22-9<br>EC-No.: 287-089-1  | 1 – 10    | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1A, H314<br>Aquatic Acute 1, H400   |
| SULPHAMIDIC ACID; SULPHAMIC ACID; SULFAMIC ACID                         | CAS-No.: 5329-14-6<br>EC-No.: 226-218-8<br>EC Index-No.: 016-026-00-0<br>REACH-no: 01-2119488633-28 | 1 – 10    | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412  |
| LONZABAC 12.100   | CAS-No.: 2372-82-9<br>EC-No.: 219-145-8<br>REACH-no: 01-2119980592-29                               | 1 – 10    | Acute Tox. 3 (Oral), H301<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10)             |
| BENZODODECINIUM CHLORIDE  | CAS-No.: 139-07-1<br>EC-No.: 205-351-5<br>REACH-no: 01-2120831693-52                                | < 1       | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10) |
| 1-(1,2,3,4,5,6,7,8,-OCTAHYDRO-2,3,8,8-TETRAMETHYL-NAPHTHALENYL)ETHANONE | CAS-No.: 54464-57-2<br>EC-No.: 259-174-3<br>REACH-no: 01-2119489989-04                              | 0.1 – 0.2 | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411  |
| CETALKONIUM CHLORIDE  | CAS-No.: 122-18-9<br>EC-No.: 204-526-3<br>REACH-no: 01-2120764433-54                                | < 1       | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400  |

Full text of H- and EUH-statements: see section 16

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a physician immediately.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Call a physician immediately.   |

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

|                                     |                           |
|-------------------------------------|---------------------------|
| Symptoms/effects after skin contact | : Burns.                  |
| Symptoms/effects after eye contact  | : Serious damage to eyes. |
| Symptoms/effects after ingestion    | : Burns.                  |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                              |                                  |
|------------------------------|----------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. |
|------------------------------|----------------------------------|

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

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

#### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Emergency procedures | : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |
|----------------------|---|

##### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

#### 6.2. Environmental precautions

Avoid release to the environment.

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

|                         |   |
|-------------------------|---|
| For containment         | : Collect spillage.   |
| Methods for cleaning up | : Mechanically recover the product.                             |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

#### 6.4. Reference to other sections

For further information refer to section 13.

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe dust. Avoid contact with skin and eyes.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.
- Packaging materials : Product must only be kept in the original packaging.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

##### 8.2.2. Personal protection equipment

###### 8.2.2.1. Eye and face protection

**Eye protection:**

Not required for normal conditions of use

###### 8.2.2.2. Skin protection

**Skin and body protection:**

Not required for normal conditions of use

**Hand protection:**

Not required for normal conditions of use

###### 8.2.2.3. Respiratory protection

**Respiratory protection:**

Not required for normal conditions of use

###### 8.2.2.4. Thermal hazards

No additional information available

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|   |                      |
|---|----------------------|
| Physical state                                  | : Solid              |
| Appearance                                      | : Powder.            |
| Colour  | : red.               |
| Odour   | : characteristic.    |
| Odour threshold                                 | : No data available  |
| pH  | : 3.65 5% SOLUTION   |
| Relative evaporation rate (butylacetate=1)      | : No data available  |
| Melting point                                   | : Not applicable.    |
| Freezing point                                  | : Not applicable     |
| Boiling point                                   | : No data available  |
| Flash point                                     | : Not applicable     |
| Auto-ignition temperature                       | : No data available. |
| Decomposition temperature                       | : No data available  |
| Flammability (solid, gas)                       | : Non flammable.     |
| Vapour pressure                                 | : No data available  |
| Relative vapour density at 20°C                 | : No data available. |
| Relative density                                | : No data available. |
| Solubility                                      | : Soluble.           |
| Partition coefficient n-octanol/water (Log Pow) | : No data available  |
| Viscosity, kinematic                            | : Not applicable     |
| Viscosity, dynamic                              | : No data available  |
| Explosive properties                            | : No data available  |
| Oxidising properties                            | : No data available  |
| Explosive limits                                | : Not applicable     |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Oxidizing agent. Strong acids.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| SOLUCLEAN WASHROOM DISINFECTANT |                           |
|---------------------------------|---------------------------|
| ATE CLP (oral)                  | 1064.963 mg/kg bodyweight |

| BENZODODECINIUM CHLORIDE (139-07-1) |   |
|-------------------------------------|---|
| LD50 oral rat                       | 344 mg/kg bodyweight Animal: rat  |
| LD50 dermal rabbit                  | 2730 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity) |

| SULPHAMIDIC ACID; SULPHAMIC ACID; SULFAMIC ACID (5329-14-6) |  |
|---|--|
| LD50 oral rat   | 2140 mg/kg bodyweight Animal: rat, Animal sex: female, Remarks on results: other:          |
| LD50 dermal rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| LONZABAC 12.100 (2372-82-9) |  |
|-----------------------------|--|
| LD50 oral rat               | 243.6 mg/kg  |
| LD50 dermal rat             | > 600 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Remarks on results: other: |

Skin corrosion/irritation : Causes severe skin burns.  
pH: 3.65 5% SOLUTION

| CETALKONIUM CHLORIDE (122-18-9) |   |
|---------------------------------|---|
| pH                              | 5.55 Temp.: 29,2 °C Concentration: 1 vol% Remarks on result: 'other:' |

| LONZABAC 12.100 (2372-82-9) |                  |
|-----------------------------|------------------|
| pH                          | 10.6 1% SOLUTION |

Serious eye damage/irritation : Causes serious eye damage.  
pH: 3.65 5% SOLUTION

| CETALKONIUM CHLORIDE (122-18-9) |   |
|---------------------------------|---|
| pH                              | 5.55 Temp.: 29,2 °C Concentration: 1 vol% Remarks on result: 'other:' |

| LONZABAC 12.100 (2372-82-9) |                  |
|-----------------------------|------------------|
| pH                          | 10.6 1% SOLUTION |

Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified

| SULPHAMIDIC ACID; SULPHAMIC ACID; SULFAMIC ACID (5329-14-6) |  |
|---|--|
| NOAEL (animal/female, F1)                                   | 500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPP 83-4 (Reproduction and Fertility Effects) |

STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

| LONZABAC 12.100 (2372-82-9)         |  |
|-------------------------------------|--|
| LOAEL (dermal, rat/rabbit, 90 days) | 5 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days) |

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| LONZABAC 12.100 (2372-82-9)  |  |
|--|--|
| STOT-repeated exposure   | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard  | : Not classified   |
| SOLUCLEAN WASHROOM DISINFECTANT  |  |
| Viscosity, kinematic   | Not applicable   |
| QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES (85409-22-9) |  |
| Viscosity, kinematic   | Not applicable   |
| BENZODODECINIUM CHLORIDE (139-07-1)  |  |
| Viscosity, kinematic   | Not applicable   |
| CETALKONIUM CHLORIDE (122-18-9)  |  |
| Viscosity, kinematic   | Not applicable   |
| SULPHAMIDIC ACID; SULPHAMIC ACID; SULFAMIC ACID (5329-14-6)                        |  |
| Viscosity, kinematic   | Not applicable   |
| LONZABAC 12.100 (2372-82-9)  |  |
| Viscosity, kinematic   | 27.954 mm <sup>2</sup> /s  |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.  
Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.  
Not rapidly degradable

| BENZODODECINIUM CHLORIDE (139-07-1)                         |  |
|---|--|
| EC50 - Crustacea [1]  | ≈ 0.032 mg/l Test organisms (species): Daphnia magna   |
| SULPHAMIDIC ACID; SULPHAMIC ACID; SULFAMIC ACID (5329-14-6) |  |
| LC50 - Fish [1]   | 70.3 mg/l Test organisms (species): Pimephales promelas  |
| EC50 - Crustacea [1]  | 71.6 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]  | 48 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)   |
| EC50 72h - Algae [2]  | 33.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LOEC (chronic)  | 34 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                     |
| NOEC (chronic)  | 19 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                     |
| NOEC chronic fish   | ≥ 60 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d'  |
| LONZABAC 12.100 (2372-82-9)                                 |  |
| LC50 - Fish [1]   | 0.431 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                  |
| EC50 - Crustacea [1]  | 0.0775 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Other aquatic organisms [1]                          | 0.073 mg/l   |

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| LONZABAC 12.100 (2372-82-9) |   |
|-----------------------------|---|
| EC50 72h - Algae [1]        | 0.02 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)  |
| EC50 72h - Algae [2]        | 0.012 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LOEC (chronic)              | 0.066 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                   |
| NOEC (chronic)              | 0.024 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                   |

### 12.2. Persistence and degradability

| SOLUCLEAN WASHROOM DISINFECTANT |                    |
|---------------------------------|--------------------|
| Persistence and degradability   | No data available. |

### 12.3. Bioaccumulative potential

| SOLUCLEAN WASHROOM DISINFECTANT |                    |
|---------------------------------|--------------------|
| Bioaccumulative potential       | No data available. |

| LONZABAC 12.100 (2372-82-9)                     |      |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 4.46 |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Regional legislation (waste)               | : Dispose of in accordance with relevant local regulations.                                   |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.                     |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID


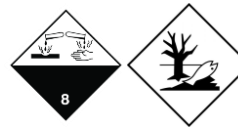
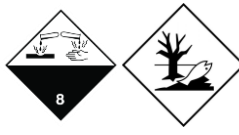


| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number</b>  |   |   |   |   |
| UN 1759   | UN 1759   | UN 1759   | UN 1759   | UN 1759   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| CORROSIVE SOLID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES) | CORROSIVE SOLID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES) | Corrosive solid, n.o.s. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES) | CORROSIVE SOLID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES) | CORROSIVE SOLID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES) |



# SOLUCLEAN WASHROOM DISINFECTANT



## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| ADR   | IMDG  | IATA   | ADN  | RID  |
|---|---|--|--|--|
| <b>Transport document description</b>   |   |  |  |  |
| UN 1759 CORROSIVE SOLID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES), 8, I, (E), ENVIRONMENTALLY HAZARDOUS | UN 1759 CORROSIVE SOLID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES), 8, I, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1759 Corrosive solid, n.o.s. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES), 8, I, ENVIRONMENTALLY HAZARDOUS | UN 1759 CORROSIVE SOLID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES), 8, I, ENVIRONMENTALLY HAZARDOUS | UN 1759 CORROSIVE SOLID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES), 8, I, ENVIRONMENTALLY HAZARDOUS |
| <b>14.3. Transport hazard class(es)</b>   |   |  |  |  |
| 8   | 8   | 8  | 8  | 8  |
|    |    |   |    |   |
| <b>14.4. Packing group</b>  |   |  |  |  |
| I   | I   | I  | I  | I  |
| <b>14.5. Environmental hazards</b>  |   |  |  |  |
| Dangerous for the environment: Yes  | Dangerous for the environment: Yes<br>Marine pollutant: Yes   | Dangerous for the environment: Yes   | Dangerous for the environment: Yes   | Dangerous for the environment: Yes   |
| No supplementary information available  |   |  |  |  |

### 14.6. Special precautions for user

#### Overland transport

|   |  |
|---|--|
| Classification code (ADR)                                 | : C10  |
| Special provisions (ADR)                                  | : 274  |
| Limited quantities (ADR)                                  | : 0  |
| Excepted quantities (ADR)                                 | : E0   |
| Packing instructions (ADR)                                | : P002, IBC07  |
| Mixed packing provisions (ADR)                            | : MP18   |
| Portable tank and bulk container instructions (ADR)       | : T6   |
| Portable tank and bulk container special provisions (ADR) | : TP33   |
| Tank code (ADR)   | : S10AN, L10BH   |
| Vehicle for tank carriage                                 | : AT   |
| Transport category (ADR)                                  | : 1  |
| Special provisions for carriage - Packages (ADR)          | : V10  |
| Special provisions for carriage - Operation (ADR)         | : S20  |
| Hazard identification number (Kemler No.)                 | : 88   |
| Orange plates   | : <br> |
| Tunnel restriction code (ADR)                             | : E  |
| EAC code  | : 2X   |

#### Transport by sea

|                             |        |
|-----------------------------|--------|
| Special provisions (IMDG)   | : 274  |
| Limited quantities (IMDG)   | : 0    |
| Excepted quantities (IMDG)  | : E0   |
| Packing instructions (IMDG) | : P002 |

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|                                    |  |
|------------------------------------|--|
| IBC packing instructions (IMDG)    | : IBC07  |
| IBC special provisions (IMDG)      | : B1   |
| Tank instructions (IMDG)           | : T6   |
| Tank special provisions (IMDG)     | : TP33   |
| EmS-No. (Fire)                     | : F-A  |
| EmS-No. (Spillage)                 | : S-B  |
| Stowage category (IMDG)            | : B  |
| Properties and observations (IMDG) | : Causes burns to skin, eyes and mucous membranes. |

### Air transport

|  |             |
|--|-------------|
| PCA Excepted quantities (IATA)               | : E0        |
| PCA Limited quantities (IATA)                | : Forbidden |
| PCA limited quantity max net quantity (IATA) | : Forbidden |
| PCA packing instructions (IATA)              | : 858       |
| PCA max net quantity (IATA)                  | : 1kg       |
| CAO packing instructions (IATA)              | : 862       |
| CAO max net quantity (IATA)                  | : 25kg      |
| Special provisions (IATA)                    | : A3, A803  |
| ERG code (IATA)                              | : 8L        |

### Inland waterway transport

|                                   |          |
|-----------------------------------|----------|
| Classification code (ADN)         | : C10    |
| Special provisions (ADN)          | : 274    |
| Limited quantities (ADN)          | : 0      |
| Excepted quantities (ADN)         | : E0     |
| Equipment required (ADN)          | : PP, EP |
| Number of blue cones/lights (ADN) | : 0      |

### Rail transport

|   |                |
|---|----------------|
| Classification code (RID)                                 | : C10          |
| Special provisions (RID)                                  | : 274          |
| Limited quantities (RID)                                  | : 0            |
| Excepted quantities (RID)                                 | : E0           |
| Packing instructions (RID)                                | : P002, IBC07  |
| Mixed packing provisions (RID)                            | : MP18         |
| Portable tank and bulk container instructions (RID)       | : T6           |
| Portable tank and bulk container special provisions (RID) | : TP33         |
| Tank codes for RID tanks (RID)                            | : S10AN, L10BH |
| Special provisions for RID tanks (RID)                    | : TU38, TE22   |
| Transport category (RID)                                  | : 1            |
| Special provisions for carriage – Packages (RID)          | : W10          |
| Hazard identification number (RID)                        | : 88           |

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development  |
| OEL                         | Occupational Exposure Limit   |

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3   |
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4   |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4   |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1   |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2   |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3   |
| EUH208                              | Contains 1-(1,2,3,4,5,6,7,8,-OCTAHYDRO-2,3,8,8-TETRAMETHYL-NAPHTHALENYL)ETHANONE(54464-57-2). May produce an allergic reaction. |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1   |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2   |
| H301                                | Toxic if swallowed.   |
| H302                                | Harmful if swallowed.   |
| 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.  |
| 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.  |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1, Sub-Category 1A  |

# SOLUCLEAN WASHROOM DISINFECTANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                          |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                 |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2 |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.