# ECOVACS WINBOT Cleaning Solution

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 7/16/2026 Revision date: 7/16/2026 Version: 1.0

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

### 1.1. Product identifier

Product form : Mixture
Trade name : ECOVACS WINBOT Cleaning Solution

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Consumer uses, cleaning.

#### 1.2.2. Uses advised against

Restrictions on use : No information available

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

**Supplier**
ECOVACS HOME SERVICE ROBOTICS CO., LTD.
No.518 Songwei Road, Wusongjiang industry Park, Guoxiang Street,
Wuzhong District, Suzhou, Jiangsu, China
T +86-15850007604
yanhua.ding@ecovacs.com

**Importer**
ECOVACS Europe GmbH (FOR EU)
Holzstrasse 2, 40221 Düsseldorf, Germany
T +49(0)21153804300
service-de@ecovacs.com

### 1.4. Emergency telephone number

Emergency number : +49(0)21153804300

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Not classified

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

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

Hazard pictograms (CLP) : Not applicable.
Signal word (CLP) : Not applicable.
Hazard statements (CLP) : Not applicable.
Precautionary statements (CLP) : Not applicable.
EUH-statements : EUH208 - Contains Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one (55965-84-9). May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

Other hazards which do not result in classification : No information available.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Water | CAS-No.: 7732-18-5<br>EC-No.: 231-791-2 | 93 – 97 | Not classified |
| Propan-2-ol | CAS-No.: 67-63-0<br>EC-No.: 200-661-7 | 2.5 – 5.5 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |
| Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy- | CAS-No.: 9036-19-5<br>EC-No.: 618-541-1 | 0.05 – 0.09 | ED ENV 1, EUH430<br>Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |
| Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt | CAS-No.: 3844-45-9<br>EC-No.: 223-339-8 | 0.01 – 0.05 | Not classified |
| Linalool | CAS-No.: 78-70-6<br>EC-No.: 201-134-4 | 0.01 – 0.05 | Skin Sens. 1B, H317 |
| Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one | CAS-No.: 55965-84-9<br>EC-No.: 611-341-5 | 0.00025 – 0.0007 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 2 (Dermal), H310<br>Acute Tox. 2 (Inhalation), H330<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)<br>EUH071<br>Note B<br><br>ATE (Inhalation): 0.5 mg/L |

**Specific concentration limits:**

| Name | Product identifier | Specific concentration limits (%) |
|---|---|---|
| Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one | CAS-No.: 55965-84-9<br>EC-No.: 611-341-5 | (0.0015 ≤ C < 100) Skin Sens. 1A; H317<br>(0.06 ≤ C < 0.6) Eye Irrit. 2; H319<br>(0.06 ≤ C < 0.6) Skin Irrit. 2; H315<br>(0.6 ≤ C < 100) Skin Corr. 1C; H314<br>(0.6 ≤ C < 100) Eye Dam. 1; H318 |

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

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ··· %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : No information available.

### 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. Alcohol-resistant foam. Chemical powder. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, $CO_2$).

### 5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
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

General measures : Stop leak if safe to do so. Absorb spillage to prevent material damage.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Ensure adequate ventilation. Avoid contact with skin.

#### 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".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent spillage from entering drains, sewer, basement or confined areas. Notify authorities if product enters sewers or public waters.

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

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. Bunding, covering of drains.
Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.
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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin.

Hygiene measures : 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

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep cool. Protect from sunlight. Store in a well-ventilated place. Store locked up.

Incompatible materials for storage : Strong oxidizing agents. Acids.

Packaging materials : Always store product in container of same material as original container.

**Germany**

Storage class (LGK, TRGS 510) : LGK 10 - Combustible liquids

### 7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

| **Propan-2-ol (67-63-0)** | |
|---|---|
| **Austria - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 500 mg/m³ |
| | 200 ppm |
| MAK (OEL STEL) | 2000 mg/m³ |
| | 800 ppm |
| OEL chemical category | Group C Carcinogen by manufacturing of strong Acid process, Group C Carcinogen by manufacturing of strong Acid process |
| **Belgium - Occupational Exposure Limits** | |
| OEL TWA | 500 mg/m³ |
| | 200 ppm |
| OEL STEL | 1000 mg/m³ |
| | 400 ppm |
| **Bulgaria - Occupational Exposure Limits** | |
| OEL TWA | 980 mg/m³ |
| OEL STEL | 1225 mg/m³ |
| **Croatia - Occupational Exposure Limits** | |
| GVI (OEL TWA) | 999 mg/m³ |
| | 400 ppm |
| KGVI (OEL STEL) | 1250 mg/m³ |
| | 500 ppm |

| Propan-2-ol (67-63-0) | |
|---|---|
| **Croatia - Biological limit values** | |
| BLV | 50 mg/l Parameter: Acetone - Medium: blood - Sampling time: at the end of the work shift<br>50 mg/l Parameter: Acetone - Medium: urine - Sampling time: at the end of the work shift |
| **Czech Republic - Occupational Exposure Limits** | |
| PEL (OEL TWA) | 500 mg/m³ |
| OEL chemical category | Potential for cutaneous absorption |
| **Denmark - Occupational Exposure Limits** | |
| 8-timers grænseværdi (OEL TWA) | 490 mg/m³ |
| | 200 ppm |
| Korttidsgrænseværdi (OEL STEL) | 980 mg/m³ |
| | 400 ppm |
| **Estonia - Occupational Exposure Limits** | |
| OEL TWA | 350 mg/m³ |
| | 150 ppm |
| OEL STEL | 600 mg/m³ |
| | 250 ppm |
| **Finland - Occupational Exposure Limits** | |
| HTP (OEL TWA) | 500 mg/m³ |
| | 200 ppm |
| HTP (OEL STEL) | 620 mg/m³ |
| | 250 ppm |
| **France - Occupational Exposure Limits** | |
| VLEP CT (OEL STEL) | 980 mg/m³ |
| | 400 ppm |
| **Germany - Occupational Exposure Limits (TRGS 900)** | |
| AGW (OEL TWA) | 500 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| | 200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| **Germany - Biological limit values (TRGS 903)** | |
| Biological limit value | 25 mg/l Parameter: Acetone - Medium: whole blood - Sampling time: end of exposure or shift<br>25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of exposure or shift |
| **Greece - Occupational Exposure Limits** | |
| OEL TWA | 980 mg/m³ |
| | 400 ppm |
| OEL STEL | 1225 mg/m³ |
| | 500 ppm |
| **Hungary - Occupational Exposure Limits** | |
| AK (OEL TWA) | 500 mg/m³ |
| CK (OEL STEL) | 1000 mg/m³ |

| Propan-2-ol (67-63-0) | |
|---|---|
| OEL chemical category | Potential for cutaneous absorption |
| **Ireland - Occupational Exposure Limits** | |
| OEL TWA | 200 ppm |
| OEL STEL | 400 ppm |
| OEL chemical category | Potential for cutaneous absorption |
| **Latvia - Occupational Exposure Limits** | |
| OEL TWA | 350 mg/m³ |
| **Latvia - Biological Exposure Indices** | |
| BEI | 25 mg/l Parameter: Acetone - Medium: urine - Sampling time: at the end of exposure or shift<br>25 mg/l Parameter: Acetone - Medium: blood - Sampling time: at the end of exposure or shift |
| **Lithuania - Occupational Exposure Limits** | |
| IPRV (OEL TWA) | 350 mg/m³ |
| | 150 ppm |
| TPRV (OEL STEL) | 600 mg/m³ |
| | 250 ppm |
| **Poland - Occupational Exposure Limits** | |
| NDS (OEL TWA) | 900 mg/m³ |
| NDSCh (OEL STEL) | 1200 mg/m³ |
| **Portugal - Occupational Exposure Limits** | |
| OEL TWA | 200 ppm |
| OEL STEL | 400 ppm |
| OEL chemical category | A4 - Not Classifiable as a Human Carcinogen |
| **Romania - Occupational Exposure Limits** | |
| OEL TWA | 200 mg/m³ |
| | 81 ppm |
| OEL STEL | 500 mg/m³ |
| | 203 ppm |
| **Romania - Biological limit values** | |
| BLV | 50 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift |
| **Slovakia - Occupational Exposure Limits** | |
| NPHV (OEL TWA) | 500 mg/m³ |
| | 200 ppm |
| NPHV (OEL C) | 1000 mg/m³ |
| **Slovenia - Occupational Exposure Limits** | |
| OEL TWA | 500 mg/m³ |
| | 200 ppm |
| OEL STEL | 1000 mg/m³ |
| | 400 ppm |

| Propan-2-ol (67-63-0) | |
|---|---|
| **Spain - Occupational Exposure Limits** | |
| VLA-ED (OEL TWA) | 500 mg/m³ (partial or complete commercialization or use of this substance as a phytosanitary or biocide compound is prohibited) |
| | 200 ppm (partial or complete commercialization or use of this substance as a phytosanitary or biocide compound is prohibited) |
| VLA-EC (OEL STEL) | 1000 mg/m³ |
| | 400 ppm |
| **Spain - Biological limit values** | |
| BLV | 40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of workweek |
| **Sweden - Occupational Exposure Limits** | |
| NGV (OEL TWA) | 350 mg/m³ |
| | 150 ppm |
| KGV (OEL STEL) | 600 mg/m³ |
| | 250 ppm |
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (OEL TWA) | 999 mg/m³ |
| | 400 ppm |
| WEL STEL (OEL STEL) | 1250 mg/m³ |
| | 500 ppm |
| **Norway - Occupational Exposure Limits** | |
| Grenseverdi (OEL TWA) | 245 mg/m³ |
| | 100 ppm |
| Korttidsverdi (OEL STEL) | 306.25 mg/m³ (value calculated) |
| | 150 ppm (value calculated) |
| **Switzerland - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 500 mg/m³ |
| | 200 ppm |
| KZGW (OEL STEL) | 1000 mg/m³ |
| | 400 ppm |
| **Switzerland - BAT** | |
| BAT | 25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift<br>Parameter: Acetone - Medium: urine - Sampling time: end of shift<br>25 mg/l Parameter: Acetone - Medium: whole blood - Sampling time: end of shift<br>Parameter: Acetone - Medium: whole blood - Sampling time: end of shift |
| **USA - ACGIH® - Threshold Limit Values** | |
| ACGIH® TLV® TWA | 200 ppm |
| ACGIH® TLV® STEL | 400 ppm |
| ACGIH® chemical category | Not Classifiable as a Human Carcinogen |
| **USA - ACGIH® - Biological Exposure Indices** | |
| BEI | 40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific) |

| Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one (55965-84-9) | |
|---|---|
| **Austria - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 0.05 mg/m³ (5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one mixture in ratio 3:1) |
| OEL chemical category | Skin sensitizer |
| **Switzerland - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 0.2 mg/m³ (inhalable dust) |
| KZGW (OEL STEL) | 0.4 mg/m³ (inhalable dust) |
| OEL chemical category | Sensitizer |

#### 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

**Personal protective equipment:**
Wear recommended personal protective equipment.

#### 8.2.2.1. Eye and face protection

**Eye protection:**
Safety glasses with side shields.

#### 8.2.2.2. Skin protection

**Skin and body protection:**
Wear suitable protective clothing. Wear a face shield. Boots.

**Hand protection:**
Protective gloves.
Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11 mm; breakthrough times up to 480 minutes).

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**
In case of insufficient ventilation, wear suitable respiratory equipment.

#### 8.2.2.4. Thermal hazards

**Thermal hazard protection:**
None under normal processing.

#### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**
Do not allow to enter drains or water courses.

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | Not available |
| Appearance | : | Liquid. |
| Odour | : | Not available |
| Odour threshold | : | Not available |
| Melting point | : | Not applicable |
| Freezing point | : | Not available |
| Boiling point | : | Not available |
| Flammability | : | Non flammable |
| Explosive properties | : | Not available. |
| Oxidising properties | : | Not available. |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | > 60 °C (closed cup) |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| Viscosity, kinematic | : | Not available |
| Solubility | : | Not available |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | Not available |
| Relative density | : | Not available |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

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

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Strong oxidizing agents. Acids.

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Propan-2-ol (67-63-0) | |
|---|---|
| LD50 oral rat | 4710 – 5840 mg/kg |
| LD50 oral | 5840 mg/kg (OECD 401) (ECHA) |
| LD50 dermal rabbit | 4059 mg/kg |
| LD50 dermal | 13900 mg/kg |

| Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- (9036-19-5) | |
|---|---|
| LD50 oral rat | 1700 mg/kg |

| Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt (3844-45-9) | |
|---|---|
| LD50 oral rat | > 10000 mg/kg |

| Linalool (78-70-6) | |
|---|---|
| LD50 oral rat | 2790 mg/kg |
| LD50 dermal rabbit | 5610 mg/kg |

| Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one (55965-84-9) | |
|---|---|
| LD50 oral rat | 53 mg/kg |
| LD50 dermal rabbit | 87.12 mg/kg |
| ATE (Inhalation) | 0.5 mg/L |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

| Propan-2-ol (67-63-0) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

#### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

| Propan-2-ol (67-63-0) | |
|---|---|
| LC50 - Fish [1] | 9640 mg/l (96 h - Pimephales promelas [flow-through]) |
| LC50 - Fish [2] | 11130 mg/l (96 h - Pimephales promelas [static]) |
| EC50 - Crustacea [1] | 13299 mg/l (48 h - Daphnia magna) |
| EC50 72h - Algae [1] | > 1000 mg/l (Desmodesmus subspicatus) |
| EC50 96h - Algae [1] | > 1000 mg/l (Desmodesmus subspicatus) |

| Linalool (78-70-6) | |
|---|---|
| LC50 - Fish [1] | 27.8 mg/l (96 h - Oncorhynchus mykiss [static]) |
| EC50 - Crustacea [1] | 20 mg/l (48 h - Daphnia magna) |
| EC50 96h - Algae [1] | 88.3 mg/l (Desmodesmus subspicatus) |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| Propan-2-ol (67-63-0) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0.05 (at 25 °C) |

| Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt (3844-45-9) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | < -6.4 (at 23 °C (at pH 6.4) |

| Linalool (78-70-6) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.9 (at 20 °C (at pH 7) |

| Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one (55965-84-9) | |
|---|---|
| BCF - Fish [1] | (54 dimensionless (whole body w.w.) |
| Partition coefficient n-octanol/water (Log Pow) | -0.32 – 0.7 (at 20 °C (at pH >=5-<=9) |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| ECOVACS WINBOT Cleaning Solution |
|---|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

### 12.7. Other adverse effects

Other adverse effects : No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

## SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number or ID number** | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| **14.2. UN proper shipping name** | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| **14.3. Transport hazard class(es)** | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| **14.4. Packing group** | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| **14.5. Environmental hazards** | | | | |
| Dangerous for the environment: No | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available | | | | |

### 14.6. Special precautions for user

**Overland transport**
Not regulated

**Transport by sea**
Not regulated

**Air transport**
Not regulated

**Inland waterway transport**
Not regulated

**Rail transport**
Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

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 Candidate List (SVHC)**

Contains substance(s) listed on the REACH Candidate List < 0.1% or SCL: Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy- (EC 618-541-1, CAS 9036-19-5).

**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 (2024/590)**

Not listed on the Ozone Depletion list (Regulation EU 2024/590)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

**Council Regulation (EC) for the control of dual-use items**

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

**Explosives Precursors Regulation (EU 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 (EC 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

**Germany**

Water hazard class (WGK) : WGK 1, Slightly hazardous to water.

**Switzerland VOC regulation (ORRChem, Annex 2):**

The product contains volatile organic compounds (VOC) as follows:
Propan-2-ol (CAS 67-63-0): 2.5-5.5% w/w
Linalool (CAS 78-70-6): 0.01-0.05% w/w
Total VOC content (estimated): ≤ 5.6% w/w

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

**Indication of changes:**
None.

| Abbreviations and acronyms: | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |

| Abbreviations and acronyms: | |
|---|---|
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| CAS-No. | Chemical Abstracts Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| COD | Chemical oxygen demand (COD) |
| CSA | Chemical safety assessment |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| ED | Endocrine disruptor |
| EN | European Standard |
| EWC | European waste catalogue |
| 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 |
| Log Kow | Partition coefficient n-octanol/water (Log Kow) |
| Log Pow | Partition coefficient n-octanol/water (Log Pow) |
| MAK | maximum workplace concentration |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| N.O.S. | Not Otherwise Specified |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| OSHA | Occupational Safety & Health Administration |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| PPE | Personal protection equipment |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| TF | Technical function |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| TWA | Time Weighted Average |

| Abbreviations and acronyms: | |
|---|---|
| VOC | Volatile Organic Compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| UFI | Unique Formula Identifier |

| | | |
|---|---|---|
| Version | : | 1.0 |
| Issue date | : | 7/16/2026 |
| Revision date | : | 7/16/2026 |
| Data sources | : | ECHA (European Chemicals Agency). Loli. |
| Training advice | : | Normal use of this product shall imply use in accordance with the instructions on the packaging. |
| Other information | : | No information available. |

| Full text of H- and EUH-statements: | |
|---|---|
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H310 | Fatal 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. |
| H330 | Fatal if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |
| EUH208 | Contains Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one(55965-84-9). May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request. |
| EUH430 | May cause endocrine disruption in the environment. |

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.