

# SAFETY DATA SHEET

PRODUCT NAME: VROOAM BODYWORK CLEANER



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

### 1.1. Product Identifier

Trade name : VROOAM Bodywork Cleaner  
 Registration number (REACH) : not relevant (mixture)  
 Product code : 63945

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

Relevant identified uses : Cleaning agent  
 Consumer use (private households)

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

VROOAM Powersports Lubricants INT. B.V.  
 Aventurijn 300  
 3316 LB Dordrecht (NL)  
 0031 (0) 78 750 1632  
[www.vrooam-lubricants.com](http://www.vrooam-lubricants.com)  
[info@vrooam-lubricants.com](mailto:info@vrooam-lubricants.com)

· Further information obtainable from: Product Safety Department

1.4. Emergency telephone number: 0031 (0) 78 750 16 32 (9 AM to 5 PM, Monday to Friday)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

| Section | Hazard class                      | Category | Hazard class and category | Hazard statement |
|---------|-----------------------------------|----------|---------------------------|------------------|
| 3.3     | serious eye damage/eye irritation | 2        | Eye Irrit. 2              | H319             |

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

### 2.2. Label Elements

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

- Signal word warning
- Pictograms

GHS07



- Hazard statements  
 H319

Causes serious eye irritation.

- Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read label before use.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.

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## 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

| Name of substance                                     | Identifier  | Wt%     | Classification acc. to GHS  | Pictograms | Notes               | Specific Conc. Limits  | M-Factors |
|---|---|---------|---|------------|---------------------|--|-----------|
| Isotridecanol, ethoxylated                            | CAS No<br>69011-36-5<br><br>EC No<br>931-138-8  | 1 – < 5 | Acute Tox. 4 /<br>H302<br>Eye Dam. 1 / H318   |            |                     | Eye Dam. 1;<br>H318: C ≥ 10 %<br>Eye Irrit. 2;<br>H319: 1 % ≤ C < 10 % |           |
| 2-butoxyethanol                                       | CAS No<br>111-76-2<br><br>EC No<br>203-905-0<br>Index No<br>603-014-00-0<br><br>REACH Reg.<br>No<br>01-<br>2119475108-36<br>01-<br>2119475108-36-xxxx | 1 – < 5 | Acute Tox. 4 /<br>H302<br>Acute Tox. 4 /<br>H312<br>Acute Tox. 4 /<br>H332<br>Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319 |            | GHS-<br>HC<br>IOELV |  |           |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | CAS No<br>68891-38-3<br>EC No<br>500-234-8<br><br>REACH Reg.<br>No<br>01-<br>2119488639-16-XXXX<br>01-<br>2119488639-16-xxxx                          | 1 – < 5 | Skin Irrit. 2 / H315<br>Eye Dam. 1 / H318<br>Aquatic Chronic 3 / H412   |            |                     | Eye Dam. 1;<br>H318: C ≥ 3 %<br>Eye Irrit. 2;<br>H319: 1 % ≤ C < 3 %   |           |

#### Notes

IOELV: Substance with a community indicative occupational exposure limit value.

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

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

#### Self-protection of the first aider

Provision of sufficient ventilation. Wear suitable protective clothing, gloves and eye/face protection.

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

Symptoms and effects are not known to date.

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

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Water jet

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

#### Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</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. Self-contained breathing apparatus (SCBA). SCBA with a chemical protection suit only where personal (close) contact is likely.

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## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Follow emergency procedures such as the need to evacuate the danger area or to consult an expert. Remove persons to safety. Provision of sufficient ventilation. Prevent skin contact. Avoid inhaling sprayed product. Collection and use of expertise.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

### 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

#### Advices on how to contain a spill

Covering of drains

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

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal Binder.

#### Appropriate containment techniques

Use of adsorbent materials.

#### 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

#### Recommendations

- Measures to prevent fire as well as aerosol and dust generation  
Use local and general ventilation. Use only in well-ventilated areas.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

#### Control of effects

Protect from sunlight.

#### Protect against external exposure, such as

Frost

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## - Packaging compatibilities

Keep only in original container.

## 7.3 Specific end use(s)

Cleaning agent. Consumer use (private households).

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

Occupational exposure limit values (Workplace Exposure Limits).

| Occupational exposure limit values (Workplace Exposure Limits). |                 |          |          |            |           |                          |            |                           |                 |                                |            |
|---|-----------------|----------|----------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|------------|
| Country   | Name of agent   | Notation | CAS No   | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Source     |
| EU  | 2-butoxyethanol |          | 111-76-2 | IOELV      | 20        | 98                       | 50         | 246                       |                 |                                | 2000/39/EC |
| GB  | 2-butoxyethanol |          | 111-76-2 | WEL        | 25        | 100                      | 50         | 246                       |                 |                                | EH40/2005  |

#### Notation

##### Ceiling-C

ceiling value is a limit value above which exposure should not occur

##### STEL

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

##### TWA

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

| Biological limit values |                 |                     |          |            |              |           |
|-------------------------|-----------------|---------------------|----------|------------|--------------|-----------|
| Country                 | Name of agent   | Parameter           | Notation | Identifier | Value        | Source    |
| GB                      | 2-butoxyethanol | 2-butoxyacetic acid | crea     | BMGV       | 240 mmol/mol | EH40/2005 |

#### Notation

crea creatinine

| Relevant DNELs of components of the mixture |            |          |                         |                                    |                   |                            |
|---|------------|----------|-------------------------|------------------------------------|-------------------|----------------------------|
| Name of substance                           | CAS No     | Endpoint | Threshold level         | Protection goal, route of exposure | Used in           | Exposure time              |
| Isotridecanol, ethoxylated                  | 69011-36-5 | DNEL     | 294 mg/m <sup>3</sup>   | human, inhalatory                  | worker (industry) | Chronic - systemic effects |
| Isotridecanol, ethoxylated                  | 69011-36-5 | DNEL     | 2.080 mg/kg bw/day      | human, dermal                      | worker (industry) | Chronic - systemic effects |
| 2-butoxyethanol                             | 111-76-2   | DNEL     | 98 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| 2-butoxyethanol                             | 111-76-2   | DNEL     | 1.091 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | acute - systemic effects   |
| 2-butoxyethanol                             | 111-76-2   | DNEL     | 246 mg/m <sup>3</sup>   | human, dermal                      | worker (industry) | acute - local effects      |
| 2-butoxyethanol                             | 111-76-2   | DNEL     | 125 mg/kg bw/day        | human, dermal                      | worker (industry) | chronic - systemic effects |

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|   |            |      |                       |                   |                   |                            |
|---|------------|------|-----------------------|-------------------|-------------------|----------------------------|
| 2-butoxyethanol                                       | 111-76-2   | DNEL | 89 mg/kg bw/day       | human, dermal     | worker (industry) | acute - systemic effects   |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | DNEL | 175 mg/m <sup>3</sup> | human, inhalatory | worker (industry) | chronic – systemic effects |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | DNEL | 2.750 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 | organisms             | Used in                      | Exposure time                |
| Isotridecanol, ethoxylated                            | 69011-36-5 | PNEC     | 0,074 mg/l      | aquatic organisms     | freshwater                   | short-term (single instance) |
| Isotridecanol, ethoxylated                            | 69011-36-5 | PNEC     | 0,007 mg/l      | aquatic organisms     | marine water                 | short-term (single instance) |
| Isotridecanol, ethoxylated                            | 69011-36-5 | PNEC     | 0,015 mg/l      | aquatic organisms     | water                        | intermittent release         |
| Isotridecanol, ethoxylated                            | 69011-36-5 | PNEC     | 1,4 mg/l        | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Isotridecanol, ethoxylated                            | 69011-36-5 | PNEC     | 0,604 mg/kg     | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Isotridecanol, ethoxylated                            | 69011-36-5 | PNEC     | 0,06 mg/kg      | aquatic organisms     | marine sediment              | short-term (single instance) |
| Isotridecanol, ethoxylated                            | 69011-36-5 | PNEC     | 0,1 mg/kg       | terrestrial organisms | soil                         | short-term (single instance) |
| 2-butoxyethanol                                       | 111-76-2   | PNEC     | 8,8 mg/l        | aquatic organisms     | freshwater                   | short-term (single instance) |
| 2-butoxyethanol                                       | 111-76-2   | PNEC     | 0,88 mg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| 2-butoxyethanol                                       | 111-76-2   | PNEC     | 463 mg/l        | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| 2-butoxyethanol                                       | 111-76-2   | PNEC     | 34,6 mg/kg      | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| 2-butoxyethanol                                       | 111-76-2   | PNEC     | 3,46 mg/kg      | aquatic organisms     | marine sediment              | short-term (single instance) |
| 2-butoxyethanol                                       | 111-76-2   | PNEC     | 2,33 mg/kg      | terrestrial organisms | soil                         | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC     | 0,24 mg/l       | aquatic organisms     | freshwater                   | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC     | 0,024 mg/l      | aquatic organisms     | marine water                 | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC     | 10 g/l          | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC     | 0,917 mg/kg     | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC     | 0,092 mg/kg     | aquatic organisms     | marine sediment              | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC     | 7,5 mg/kg       | terrestrial organisms | soil                         | short-term (single instance) |

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## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection. Use safety goggle with side protection.

#### Skin protection

##### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### - Type of material

NBR: acrylonitrile-butadiene rubber

##### - Material thickness

> 0.35 mm

##### - Breakthrough times of the glove material

>480 minutes (permeation: level 6)

##### - Other protection measures

Protective clothing against liquid chemicals. Footwear protecting against chemicals. Preventive skin protection (barrier creams/ointments) is recommended. Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Type: ABEK (combined filters against gases and vapours, colour code: Brown/Grey/Yellow/Green).

#### 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   |
| Odor                                    | Characteristic   |
| Color                                   | various  |
| <b>Other safety parameters</b>          |  |
| pH (value)                              | 10   |
| Melting point/freezing point            | not determined   |
| Initial boiling point and boiling range | 100 °C   |
| Flash point                             | 67 °C at 1,013 hPa   |
| Evaporation rate                        | not determined   |
| Flammability (solid, gas)               | not relevant, (fluid)  |
| Explosive limits                        | not determined   |
| Vapour pressure                         | 2,339 kPa at 20 °C (calculated value, referring to a component of the mixture) |
| Density                                 | 1,015 g/cm <sup>3</sup> at 20 °C   |
| Vapour density                          | this information is not available  |

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|  |  |
|--|--|
| <b>Solubility(ies)</b>                                       | not determined   |
| <b>Partition coefficient<br/>- n-octanol/water (log KOW)</b> | this information is not available                      |
| <b>Auto-ignition temperature</b>                             | 230 °C (auto-ignition temperature (liquids and gases)) |
| <b>Viscosity</b>   | not determined   |
| <b>Explosive properties</b>                                  | none   |
| <b>Oxidising properties</b>                                  | none   |
| <b>9.2. Other information</b>                                |  |
| <b>VOC content</b>   | 4,603 %  |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 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.

### 10.5 Incompatible materials

Oxidisers

### 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 toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

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

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

Acute toxicity

Shall not be classified as acutely toxic.

| Acute toxicity estimate (ATE) of components of the mixture |            |                    |             |
|--|------------|--------------------|-------------|
| Name of substance  | CAS No     | Exposure route     | ATE         |
| Isotridecanol, ethoxylated                                 | 69011-36-5 | oral               | 500 mg/kg   |
| 2-butoxyethanol  | 111-76-2   | oral               | 1.414 mg/kg |
| 2-butoxyethanol  | 111-76-2   | dermal             | 1,100 mg/kg |
| 2-butoxyethanol  | 111-76-2   | inhalation: vapour | 11 mg/l/4h  |

| Acute toxicity of components of the mixture |            |                |          |              |            |
|---|------------|----------------|----------|--------------|------------|
| Name of substance                           | CAS No     | Exposure route | Endpoint | Value        | Species    |
| Isotridecanol, ethoxylated                  | 69011-36-5 | oral           | LD50     | >2.000 mg/kg | rat        |
| 2-butoxyethanol                             | 111-76-2   | oral           | LD50     | 1.414 mg/kg  | guinea pig |
| 2-butoxyethanol                             | 111-76-2   | dermal         | LD50     | >2.000 mg/kg | rat        |



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|   |            |        |      |             |     |
|---|------------|--------|------|-------------|-----|
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | oral   | LD50 | 4.100 mg/kg | rat |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | dermal | LD50 | 2.000 mg/kg | rat |

|  |  |
|--|--|
| Skin corrosion/irritation                          | Shall not be classified as corrosive/irritant to skin.                           |
| Serious eye damage/eye irritation                  | Causes serious eye irritation.   |
| Respiratory or skin sensitisation                  | Shall not be classified as a respiratory or skin sensitiser.                     |
| Germ cell mutagenicity                             | Shall not be classified as germ cell mutagenic.                                  |
| Carcinogenicity                                    | Shall not be classified as carcinogenic.   |
| Reproductive toxicity                              | Shall not be classified as a reproductive toxicant.                              |
| Specific target organ toxicity - single exposure   | Shall not be classified as a specific target organ toxicant (single exposure).   |
| Specific target organ toxicity - repeated exposure | Shall not be classified as a specific target organ toxicant (repeated exposure). |
| Aspiration hazard                                  | Shall not be classified as presenting an aspiration hazard.                      |

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

| Aquatic toxicity (acute) of components of the mixture |            |          |            |                       |               |
|---|------------|----------|------------|-----------------------|---------------|
| Name of substance                                     | CAS No     | Endpoint | Value      | Species               | Exposure time |
| 2-butoxyethanol                                       | 111-76-2   | LC50     | 1.474 mg/l | fish                  | 96 h          |
| 2-butoxyethanol                                       | 111-76-2   | EC50     | 1.550 mg/l | aquatic invertebrates | 48 h          |
| 2-butoxyethanol                                       | 111-76-2   | ErC50    | 1.840 mg/l | algae                 | 72 h          |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | LC50     | 7,1 mg/l   | fish                  | 96 h          |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | EC50     | 7,2 mg/l   | aquatic invertebrates | 48 h          |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | ErC50    | 27 mg/l    | algae                 | 72 h          |

| Aquatic toxicity (chronic) of components of the mixture |            |          |           |                       |               |
|---|------------|----------|-----------|-----------------------|---------------|
| Name of substance                                       | CAS No     | Endpoint | Value     | Species               | Exposure time |
| 2-butoxyethanol   | 111-76-2   | EC50     | 297 mg/l  | aquatic invertebrates | 21 d          |
| Alcohols, C12-14, ethoxylated,                          | 68891-38-3 | EC50     | 0,37 mg/l | aquatic invertebrates | 21 d          |

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|---|------------|------|-----------|-----------------------|------|
| sulfates, sodium salts                                |            |      |           |                       |      |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | LC50 | 0,74 mg/l | aquatic invertebrates | 21 d |

## 12.2 Persistence and degradability

| Degradability of components of the mixture |            |           |                           |                  |      |        |        |
|--|------------|-----------|---------------------------|------------------|------|--------|--------|
| Name of substance                          | CAS No     | EC No     | Process                   | Degradation rate | Time | Method | Source |
| Isotridecanol, ethoxylated                 | 69011-36-5 | 931-138-8 | DOC removal               | 82 %             | 28 d |        | ECHA   |
| 2-butoxyethanol                            | 111-76-2   | 203-905-0 | carbon dioxide generation | 18.3 %           | 3 d  |        | ECHA   |

## 12.3 Bioaccumulative potential

Data are not available.

| Bioaccumulative potential of components of the mixture |            |       |                            |          |
|--|------------|-------|----------------------------|----------|
| Name of substance                                      | CAS No     | BCF   | Log KOW                    | BOD5/COD |
| Isotridecanol, ethoxylated                             | 69011-36-5 | 232,5 |                            |          |
| 2-butoxyethanol  | 111-76-2   |       | 0,81 (pH value: 7, 25 °C)  |          |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts  | 68891-38-3 |       | 0,3 (pH value: 6,1, 23 °C) |          |

## 12.4 Mobility in soil

Data are not available.

## 12.5 Results of PBT and vPvB assessment

Data are not available.

## 12.6 Other adverse effects

Endocrine disrupting potential

None of the ingredients are listed.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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## SECTION 14: Transport information

|                                   |   |
|-----------------------------------|---|
| 14.1 UN number                    | not subject to transport regulations                                  |
| 14.2 UN proper shipping name      | not relevant  |
| 14.3 Transport hazard class(es)   | none  |
| 14.4 Packing group                | not relevant  |
| 14.5 Environmental hazards        | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 Special precautions for user | There is no additional information.                                   |

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

The cargo is not intended to be carried in bulk.

#### Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Not subject to ADR, RID and ADN.

#### European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)

|                             |  |
|-----------------------------|--|
| Identifier number           | 9003   |
| Proper shipping name        | SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C AND NOT MORE THAN 100 °C |
| Class                       | 9  |
| Number of cones/blue lights | 0  |

International Maritime Dangerous Goods Code (IMDG) Not subject to IMDG.  
International Civil Aviation Organization (ICAO-IATA/DGR) Not subject to ICAO-IATA.

## 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)

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list  
none of the ingredients are listed

#### Deco-Paint Directive (2004/42/EC)

VOC content 2.582 %

#### Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content 4,603 %

#### 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

#### Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

none of the ingredients are listed

#### Regulation 648/2004/EC on detergents

| Labelling of contents            |                             |
|----------------------------------|-----------------------------|
| Constituents                     | Weight % content (or range) |
| Phosphates non-ionic surfactants | less than 5 %               |

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## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## SECTION 16: Other information

Indication of changes (revised safety data sheet)

| Section | Former entry (text/value)  | Actual entry (text/value)   | Safetyrelevant |
|---------|--|---|----------------|
| 2.3     | Other hazards  | Other hazards: This material is combustible, but will not ignite readily.   | yes            |
| 3.2     |  | Description of the mixture: change in the listing (table)   | yes            |
| 8.1     |  | Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)                         | yes            |
| 8.1     |  | Relevant DNELs of components of the mixture: change in the listing (table)  | yes            |
| 8.1     |  | Relevant PNECs of components of the mixture: change in the listing (table)  | yes            |
| 9.1     | Colour: different  | Colour: various   | yes            |
| 9.1     | Flash point: not determined  | Flash point: 67 °C at 1,013 hPa   | yes            |
| 9.1     | Auto-ignition temperature: 250 °C  | Auto-ignition temperature: 230 °C (auto-ignition temperature (liquids and gases))                                     | yes            |
| 11.1    |  | Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)                             | yes            |
| 11.1    |  | Acute toxicity of components of the mixture: change in the listing (table)  | yes            |
| 12.1    |  | Aquatic toxicity (acute) of components of the mixture: change in the listing (table)                                  | yes            |
| 12.1    |  | Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)                                | yes            |
| 12.2    |  | Degradability of components of the mixture: change in the listing (table)   | yes            |
| 12.3    |  | Bioaccumulative potential of components of the mixture: change in the listing (table)                                 | yes            |
| 14.3    | Transport hazard class(es): none   | Transport hazard class(es): not assigned  | yes            |
| 14.4    | Packing group: not relevant  | Packing group: not assigned   | yes            |
| 14.7    | Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN): Not subject to ADR, RID and ADN. | Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN): Not subject to ADR. Not subject to RID. | yes            |
| 14.7    |  | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)                 | yes            |
| 14.7    |  | Identifier number:<br>9003  | yes            |
| 14.7    |  | Proper shipping name:<br>SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C AND NOT MORE THAN 100 °C                           | yes            |
| 14.7    |  | Class:<br>9   | yes            |
| 14.7    |  | Number of cones/blue lights:<br>0   | yes            |
| 15.1    | VOC content:<br>2.443 %  | VOC content:<br>2.582 %   | yes            |

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|      |  |   |     |
|------|--|---|-----|
| 15.1 |  | Labelling of contents:<br>change in the listing (table)   | yes |
| 16   |  | Abbreviations and acronyms:<br>change in the listing (table)  | yes |
| 16   |  | List of relevant phrases (code and full text as<br>stated in chapter 2 and 3):<br>change in the listing (table) | yes |

## Abbreviations and acronyms

| Abbr.           | Descriptions of used abbreviations  |
|-----------------|---|
| 2017/2398/EU    | Directive of the European Parliament and of the Council amending Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work Acute Tox. Acute toxicity    |
| 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 Chronic | Hazardous to the aquatic environment - chronic hazard   |
| ATE             | Acute Toxicity Estimate   |
| BCF             | Bioconcentration factor   |
| BOD             | Biochemical Oxygen Demand   |
| CAS             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)  |
| Ceiling-C       | Ceiling-C Ceiling value   |
| CLP             | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  |
| COD             | Chemical oxygen demand  |
| DGR             | Dangerous Goods Regulations (see IATA/DGR)  |
| DNEL            | Derived No-Effect Level   |
| 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)                                     |
| EH40/2005       | EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )                                 |
| EINECS          | European Inventory of Existing Commercial Chemical Substances   |
| ELINCS          | European List of Notified Chemical Substances   |
| 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)  |
| ICAO            | International Civil Aviation Organization   |
| 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   |
| 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  |
| IOELV           | Indicative occupational exposure limit value  |
| log KOW         | n-Octanol/water   |
| MARPOL          | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")   |
| NLP             | No-Longer Polymer   |
| PBT             | Persistent, Bioaccumulative and Toxic   |
| PNEC            | Predicted No-Effect Concentration   |
| ppm             | Parts per million   |
| 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)   |
| SCBA            | Self-contained breathing apparatus  |
| Skin Corr.      | Corrosive to skin   |
| Skin Irrit.     | Irritant to skin  |
| STEL            | short-term exposure limit   |
| SVHC            | Substance of Very High Concern  |
| TWA             | Time-weighted average   |
| VOC             | Volatile Organic Compounds  |
| vPvB            | Very Persistent and very Bioaccumulative  |

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|     |                          |
|-----|--------------------------|
| WEL | Workplace exposure limit |
|-----|--------------------------|

#### 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.

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: The classification is based on tested mixture.

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   |
|------|--|
| H302 | Harmful if swallowed.                              |
| H312 | Harmful in contact with skin.                      |
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H319 | Causes serious eye irritation.                     |
| H332 | Harmful if inhaled.                                |
| H412 | Harmful to aquatic life with long lasting effects. |

#### Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet