

# Safety Data Sheet

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



## Voegenglad

Version number: 1.0

Date of compilation: 2019-12-13

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

#### 1.1 Product identifier

|                             |                        |
|-----------------------------|------------------------|
| Trade name                  | <b>Voegenglad</b>      |
| Product form                | Mixture                |
| Registration number (REACH) | Not relevant (mixture) |

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

|                              |                     |
|------------------------------|---------------------|
| Relevant identified uses     | Professional use    |
| Specific process or activity | Adhesives, sealants |

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

Bloem Sealants BV  
Westvlietweg 69  
2495 AA Den Haag  
Netherlands

Telephone: +31 (0)70 329 66 01  
Telefax: +31 (0)70 329 22 02  
e-mail: [info@bloemsealants.com](mailto:info@bloemsealants.com)  
Website: [www.bloemsealants.com](http://www.bloemsealants.com)

e-mail (competent person) [info@bloemsealants.com](mailto:info@bloemsealants.com)

#### 1.4 Emergency telephone number

Emergency information service +31 (0)70 329 66 01  
This number is only available during the following office hours: Mon-Fri 09:00 - 17:00

| Poison centre  |   |   |
|----------------|---|---|
| Country        | Name  | Telephone   |
| United Kingdom | National Poisons Information Service (NPIS)<br>(medical professionals only) | 0344-8920111                                      |
| United Kingdom | NHS<br>(general public)   | non-emergency: 111 or a doctor;<br>emergency: 999 |

### 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 |
|---------|-----------------------------------|----------|---------------------------|------------------|
| 3.2     | skin corrosion/irritation         | 2        | Skin Irrit. 2             | H315             |
| 3.3     | serious eye damage/eye irritation | 1        | Eye Dam. 1                | H318             |

For full text of abbreviations: see SECTION 16.

#### 2.2 Label elements

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

- signal word danger

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- pictograms

GHS05



- hazard statements

H315 Causes skin irritation.  
H318 Causes serious eye damage.

- precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P321 Specific treatment (see on this label).  
P362+P364 Take off contaminated clothing and wash it before reuse.

- hazardous ingredients for labelling

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts; Alcohols, C12-14, ethoxylated, sulfates, sodium salts

### 2.3 Other hazards

Of no significance.

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

The product does not contain any (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

| Name of substance  | Identifier  | Wt%  | Classification acc. to GHS   | Pictograms | Notes | Specific Conc. Limits   | M-Factors |
|--|---|------|--|------------|-------|---|-----------|
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | CAS No<br>68411-30-3<br><br>EC No<br>270-115-0<br><br>REACH Reg.<br>No<br>01-<br>2119489428<br>-22-xxxx | ≤ 10 | Acute Tox. 4 /<br>H302<br>Skin Irrit. 2 / H315<br>Eye Dam. 1 / H318<br>Aquatic Chronic 3 /<br>H412 | <br>       |       |   |           |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts    | CAS No<br>68891-38-3<br><br>EC No<br>500-234-8<br><br>REACH Reg.<br>No<br>01-<br>2119488639<br>-16-xxxx | ≤ 3  | Skin Irrit. 2 / H315<br>Eye Dam. 1 / H318<br>Aquatic Chronic 3 /<br>H412                           |            |       | Eye Dam. 1;<br>H318: C ≥ 10 %<br>Eye Irrit. 2;<br>H319: 5 % ≤ C<br>< 10 % |           |

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| Name of substance             | Identifier  | Wt% | Classification acc. to GHS                               | Pictograms | Notes | Specific Conc. Limits | M-Factors |
|-------------------------------|---|-----|--|------------|-------|-----------------------|-----------|
| Alcohols, C12-14, ethoxylated | CAS No<br>68439-50-9<br><br>EC No<br>500-213-3<br><br>REACH Reg.<br>No<br>01-<br>2119487984<br>-16-xxxx | ≤ 3 | Aquatic Acute 1 /<br>H400<br>Aquatic Chronic 3 /<br>H412 |            |       |                       |           |

### Remarks

For full text of H-phrases: see SECTION 16. All the percentages given are percentages by weight unless stated otherwise.

## 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. 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

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

#### Following skin contact

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Call a POISON CENTER/doctor.

#### Following ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

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

Headache. Nausea.

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

For specialist advice physicians should contact the poison centre.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Alcohol resistant foam; Dry extinguishing 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

During fire hazardous fumes/smoke could be produced. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

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### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

## SECTION 6: Accidental release measures

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

For non-emergency personnel

Remove persons to safety. Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece).

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

Managing of associated risks

- flammability hazards

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

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### Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

### Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

### 7.3 Specific end use(s)

There is no additional information.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

No information available.

#### Relevant DNELs/DMELs/PNECs and other threshold levels

| Relevant DNELs of components of the mixture              |            |           |                        |                                    |                               |                            |
|--|------------|-----------|------------------------|------------------------------------|-------------------------------|----------------------------|
| Name of substance  | CAS No     | End-point | Threshold level        | Protection goal, route of exposure | Used in                       | Exposure time              |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | DNEL      | 6 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry)             | chronic - local effects    |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | DNEL      | 1.5 mg/m <sup>3</sup>  | human, inhalatory                  | consumer (private households) | chronic - local effects    |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | DNEL      | 6 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry)             | chronic - systemic effects |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | DNEL      | 85 mg/kg bw/day        | human, dermal                      | worker (industry)             | chronic - systemic effects |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | DNEL      | 1.5 mg/m <sup>3</sup>  | human, inhalatory                  | consumer (private households) | chronic - systemic effects |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | DNEL      | 42.5 mg/kg bw/day      | human, dermal                      | consumer (private households) | chronic - systemic effects |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | DNEL      | 0.425 mg/kg bw/day     | human, oral                        | consumer (private households) | chronic - 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 |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts    | 68891-38-3 | DNEL      | 132 µg/cm <sup>2</sup> | human, dermal                      | worker (industry)             | chronic - local effects    |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts    | 68891-38-3 | DNEL      | 52 mg/m <sup>3</sup>   | human, inhalatory                  | consumer (private households) | chronic - systemic effects |

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| Relevant DNELs of components of the mixture           |            |           |                       |                                    |                               |                            |
|---|------------|-----------|-----------------------|------------------------------------|-------------------------------|----------------------------|
| Name of substance                                     | CAS No     | End-point | Threshold level       | Protection goal, route of exposure | Used in                       | Exposure time              |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | DNEL      | 1,650 mg/kg bw/day    | human, dermal                      | consumer (private households) | chronic - systemic effects |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | DNEL      | 79 µg/cm <sup>2</sup> | human, dermal                      | consumer (private households) | chronic - local effects    |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | DNEL      | 15 mg/kg bw/day       | human, oral                        | consumer (private households) | chronic - systemic effects |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | DNEL      | 294 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry)             | chronic - systemic effects |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | DNEL      | 2,080 mg/kg bw/day    | human, dermal                      | worker (industry)             | chronic - systemic effects |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | DNEL      | 87 mg/m <sup>3</sup>  | human, inhalatory                  | consumer (private households) | chronic - systemic effects |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | DNEL      | 1,250 mg/kg bw/day    | human, dermal                      | consumer (private households) | chronic - systemic effects |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | DNEL      | 25 mg/kg bw/day       | human, oral                        | consumer (private households) | chronic - systemic effects |

| Relevant PNECs of components of the mixture              |            |           |                 |                       |                              |                              |
|--|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance  | CAS No     | End-point | Threshold level | Organism              | Environmental compartment    | Exposure time                |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | PNEC      | 0.268 mg/l      | aquatic organisms     | freshwater                   | short-term (single instance) |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | PNEC      | 0.027 mg/l      | aquatic organisms     | marine water                 | short-term (single instance) |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | PNEC      | 3.43 mg/l       | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | PNEC      | 8.1 mg/kg       | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | PNEC      | 6.8 mg/kg       | aquatic organisms     | marine sediment              | short-term (single instance) |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | PNEC      | 35 mg/kg        | terrestrial organisms | soil                         | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts    | 68891-38-3 | PNEC      | 0.071 mg/l      | aquatic organisms     | water                        | intermittent release         |
| 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) |

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| Relevant PNECs of components of the mixture           |            |           |                                     |                       |                              |                              |
|---|------------|-----------|-------------------------------------|-----------------------|------------------------------|------------------------------|
| Name of substance                                     | CAS No     | End-point | Threshold level                     | Organism              | Environmental compartment    | Exposure time                |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC      | 10 <sup>g</sup> / <sub>l</sub>      | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC      | 0.917 <sup>mg</sup> / <sub>kg</sub> | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC      | 0.092 <sup>mg</sup> / <sub>kg</sub> | aquatic organisms     | marine sediment              | short-term (single instance) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | PNEC      | 7.5 <sup>mg</sup> / <sub>kg</sub>   | terrestrial organisms | soil                         | short-term (single instance) |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | PNEC      | 0.074 <sup>mg</sup> / <sub>l</sub>  | aquatic organisms     | freshwater                   | short-term (single instance) |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | PNEC      | 0.007 <sup>mg</sup> / <sub>l</sub>  | aquatic organisms     | marine water                 | short-term (single instance) |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | PNEC      | 10 <sup>g</sup> / <sub>l</sub>      | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | PNEC      | 66.67 <sup>mg</sup> / <sub>kg</sub> | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | PNEC      | 6.66 <sup>mg</sup> / <sub>kg</sub>  | aquatic organisms     | marine sediment              | short-term (single instance) |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | PNEC      | 1 <sup>mg</sup> / <sub>kg</sub>     | terrestrial organisms | soil                         | short-term (single instance) |

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection



Use safety goggle with side protection (EN 166).

#### Skin protection

Protective clothing (EN 340 & EN ISO 13688).

#### - hand protection



Wear suitable gloves. Check leak-tightness/impermeability prior to use. 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. Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### - type of material

IIR: isobutene-isoprene (butyl) rubber

#### - breakthrough times of the glove material

Use gloves with a minimum breakthrough times of the glove material: >480 minutes (permeation: level 6).

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### - other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Type: AX (gas filters and combined filters against low-boiling point organic compounds, colour code: Brown).

### 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

#### Appearance

|                |                |
|----------------|----------------|
| Physical state | liquid         |
| Colour         | light yellow   |
| Odour          | characteristic |

#### Other safety parameters

|   |                                   |
|---|-----------------------------------|
| pH (value)                              | 8 – 9                             |
| Melting point/freezing point            | not determined                    |
| Initial boiling point and boiling range | 100 °C                            |
| Flash point                             | not determined                    |
| Evaporation rate                        | not determined                    |
| Flammability (solid, gas)               | not relevant, (fluid)             |
| Explosive limits                        | not determined                    |
| Vapour pressure                         | not determined                    |
| Density                                 | 1 g/cm <sup>3</sup>               |
| Vapour density                          | this information is not available |
| Solubility(ies)                         | not determined                    |

#### Partition coefficient

|                             |                                   |
|-----------------------------|-----------------------------------|
| - n-octanol/water (log KOW) | this information is not available |
| Auto-ignition temperature   | not determined                    |
| Viscosity                   | not determined                    |
| Explosive properties        | none                              |
| Oxidising properties        | none                              |

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### 9.2 Other information

There is no additional information.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat.

### 10.5 Incompatible materials

Acids. 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 of components of the mixture

| Acute toxicity estimate (ATE) of components of the mixture |            |                |              |
|--|------------|----------------|--------------|
| Name of substance  | CAS No     | Exposure route | ATE          |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts   | 68411-30-3 | oral           | 1,080 mg/kg  |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts      | 68891-38-3 | dermal         | ≥2,000 mg/kg |

| Acute toxicity of components of the mixture              |            |                |          |              |         |
|--|------------|----------------|----------|--------------|---------|
| Name of substance  | CAS No     | Exposure route | Endpoint | Value        | Species |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | oral           | LD50     | 1,080 mg/kg  | rat     |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | dermal         | LD50     | >2,000 mg/kg | rat     |

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| Acute toxicity of components of the mixture           |            |                |          |              |         |
|---|------------|----------------|----------|--------------|---------|
| Name of substance                                     | CAS No     | Exposure route | Endpoint | Value        | Species |
| 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     |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | oral           | LD50     | >2,000 mg/kg | rat     |

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

Causes serious eye damage.

### 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 |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | LC50     | 1.67 mg/l | fish                  | 96 h          |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | EC50     | 2.9 mg/l  | aquatic invertebrates | 48 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          |

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| Aquatic toxicity (acute) of components of the mixture |            |          |           |                       |               |
|---|------------|----------|-----------|-----------------------|---------------|
| Name of substance                                     | CAS No     | Endpoint | Value     | Species               | Exposure time |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | ErC50    | 27 mg/l   | algae                 | 72 h          |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 | NOEC     | 0.93 mg/l | algae                 | 72 h          |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | LC50     | 1.2 mg/l  | fish                  | 96 h          |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | EC50     | 0.53 mg/l | aquatic invertebrates | 48 h          |
| Alcohols, C12-14, ethoxylated                         | 68439-50-9 | NOEC     | 0.66 mg/l | fish                  | 96 h          |

| Aquatic toxicity (chronic) of components of the mixture  |            |                   |           |                       |               |
|--|------------|-------------------|-----------|-----------------------|---------------|
| Name of substance  | CAS No     | Endpoint          | Value     | Species               | Exposure time |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | EC50              | 1.5 mg/l  | aquatic invertebrates | 21 d          |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | LC50              | 1.67 mg/l | aquatic invertebrates | 21 d          |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3 | NOEC              | 0.23 mg/l | fish                  | 72 d          |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts    | 68891-38-3 | EC50              | 0.37 mg/l | aquatic invertebrates | 21 d          |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts    | 68891-38-3 | LC50              | 0.74 mg/l | aquatic invertebrates | 21 d          |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts    | 68891-38-3 | NOEC              | 0.2 mg/l  | fish                  | 28 d          |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts    | 68891-38-3 | growth (EbCx) 10% | >10 g/l   | microorganisms        | 16 h          |
| Alcohols, C12-14, ethoxylated                            | 68439-50-9 | EC50              | >10 g/l   | microorganisms        | 16.9 h        |
| Alcohols, C12-14, ethoxylated                            | 68439-50-9 | growth (EbCx) 10% | >10 g/l   | microorganisms        | 16.9 h        |

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

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### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

Data are not available.

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.

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.

## 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 assigned  |
| 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 | No data available.  |

### 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. Not subject to RID. Not subject to ADN.

#### International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

#### International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

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### SECTION 15: Regulatory information

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

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

##### Restrictions according to REACH, Annex XVII

| Dangerous substances with restrictions (REACH, Annex XVII) |  |        |             |    |
|--|--|--------|-------------|----|
| Name of substance  | Name acc. to inventory   | CAS No | Restriction | No |
| Voegenglad   | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC |        | R3          | 3  |

##### Legend

R3

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

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

None of the ingredients are listed.

#### Seveso Directive

| 2012/18/EU (Seveso III) |                                       |   |       |
|-------------------------|---------------------------------------|---|-------|
| No                      | Dangerous substance/hazard categories | Qualifying quantity (tonnes) for the application of lower and upper-tier requirements | Notes |
|                         | not assigned                          |   |       |

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

None of the ingredients are listed.

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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

### Abbreviations and acronyms

| Abbr.           | Descriptions of used abbreviations  |
|-----------------|---|
| Acute Tox.      | Acute toxicity  |
| ADN             | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR             | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)                                       |
| Aquatic Acute   | Hazardous to the aquatic environment - acute hazard   |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard   |
| ATE             | Acute Toxicity Estimate   |
| CAS             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)  |
| CLP             | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  |
| DGR             | Dangerous Goods Regulations (see IATA/DGR)  |
| DMEL            | Derived Minimal Effect Level  |
| DNEL            | Derived No-Effect Level   |
| EC50            | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval                                      |
| EC No           | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)                                     |
| EINECS          | European Inventory of Existing Commercial Chemical Substances   |
| ELINCS          | European List of Notified Chemical Substances   |
| ErC50           | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control  |
| Eye Dam.        | Seriously damaging to the eye   |
| Eye Irrit.      | Irritant to the eye   |
| GHS             | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations   |
| IATA            | International Air Transport Association   |
| IATA/DGR        | Dangerous Goods Regulations (DGR) for the air transport (IATA)  |
| 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  |
| LC50            | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval   |
| LD50            | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval  |
| MARPOL          | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")   |
| NLP             | No-Longer Polymer   |
| NOEC            | No Observed Effect Concentration  |

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| Abbr.       | Descriptions of used abbreviations  |
|-------------|---|
| PBT         | Persistent, Bioaccumulative and Toxic   |
| PNEC        | Predicted No-Effect Concentration   |
| REACH       | Registration, Evaluation, Authorisation and Restriction of Chemicals  |
| RID         | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr.  | Corrosive to skin   |
| Skin Irrit. | Irritant to skin  |
| SVHC        | Substance of Very High Concern  |
| vPvB        | Very Persistent and very Bioaccumulative  |

### Key literature references and sources for data

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

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.                              |
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H400 | Very toxic to aquatic life.                        |
| H412 | Harmful to aquatic life with long lasting effects. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.