



## SAFETY DATA SHEET

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Edition I.

Violeta VESH White gel

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

|     |   |   |
|-----|---|---|
| 1.1 | Product identifier  |   |
|     | Trade name:   | VESH White gel                                      |
|     | Chemical name:  | No information                                      |
|     | Catalogue number:   | No information                                      |
|     | UFI number:   | UX9C-A2M0-EH2Q-CQNN                                 |
|     | Form:   | Liquid  |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against |   |
|     | Use:  | Liquid laundry detergent                            |
|     | Uses advised against:   | No information                                      |
|     | Reason for non-use:   | No information                                      |
| 1.3 | Details of the supplier of the safety data sheet                              |   |
|     | Company name:   | Violeta d.o.o.                                      |
|     | Address:  | Obrež Zelinski 55, 10380 Sveti Ivan Zelina, Croatia |
|     | Telephone:  | 00 385 1 206 5760                                   |
|     | Fax:  | 00 385 1 206 5831                                   |
|     | e-mail address of the responsible person:                                     | tanja.galic@violeta.com                             |
|     | National contact:   | no information                                      |
| 1.4 | Emergency telephone number  |   |
|     | Emergency service telephone number:   | 112   |
|     | Medical information telephone number:   | 00385 1 234 8342                                    |
|     | Other data:   | -   |

**SECTION 2: HAZARD IDENTIFICATION**

|  |   |                         |
|--|---|-------------------------|
| 2.1  | Classification of the substance or mixture                      |                         |
| 2.1.1  | Classification according to Regulation (EC) no. 1272/2008 (CLP) |                         |
|  | Hazard class and category code:                                 | Hazard statement code*: |
|  | Eye irrit. 2  | H319                    |
| 2.1.2  | Additional information  |                         |
|  |   |                         |
| *The full text of the H and EUH labels is given in Section 16. |   |                         |
| 2.2  | Label elements  |                         |
|  | Product identifier:   | VESH White gel          |
|  | ID number:  | -                       |
|  | Authorization number:   | -                       |



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|---------------------------------------|---|
| Pictograms:                           |   |
| Signal word:                          | Warning   |
| Hazard statements:                    | H319 Causes serious eye irritation.   |
| Precautionary statement:              | P102 Keep out of reach of children.<br>P264 Wash hands thoroughly after handling.<br>P280 Wear protective gloves/protective clothing/eye protection/face protection.<br>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.<br>P337+P313 If eye irritation persists: Get medical advice/attention.<br>P501 Dispose of contents/container in accordance with the local waste regulations. |
| Additional information about hazards: | -   |
| 2.3                                   | Other hazards   |
|                                       | Slippery if spilled.  |

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| CAS/<br>EC/<br>Index number    | Registration<br>number<br>according to<br>REACH | % mass or<br>range | Name   | Classification according to<br>Regulation (EC) no.<br>1272/2008 (CLP)                     |
|--------------------------------|---|--------------------|--|---|
| 68891-38-3;<br>500-234-8;<br>- | 01-2119488639-16-<br>0009                       | 5-15               | Alcohols, C12-14, ethoxylated,<br>sulfates, sodium salts | Skin Irrit. 2, H315<br>Eye dam. 1, H318<br>Aquatic Chronic 3., H412                       |
| 85536-14-7;<br>287-494-3;<br>- | 01-2119490234-40                                | 5-15               | Benzenesulfonic acid, 4-C10-<br>13-sec-alkyl derivatives | Acute tox. 4, H302<br>Skin corr. 1C, H314<br>Eye dam. 1, H318<br>Aquatic Chronic 3., H412 |
| 68439-50-9;<br>931-014-3;<br>- | -   | 5-15               | Alcohols, C12-14, ethoxylated                            | Acute tox. 4, H302<br>Eye dam. 1, H318<br>Aquatic Chronic 3., H412                        |

**SECTION 4: FIRST AID MEASURES**

|     |                                   |                                       |
|-----|-----------------------------------|---------------------------------------|
| 4.1 | Description of first aid measures |                                       |
|     | General notes:                    | Contact a doctor if symptoms persist. |
|     | If inhaled:                       | Not necessary.                        |

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|            |   |   |
|------------|---|---|
|            | In case of skin contact:  | Rinse contact area with water. Seek medical attention if symptoms persist.  |
|            | In case of eye contact:   | Remove contact lenses, if present. With clean fingers, spread the eyelids apart and rinse each eye alternately with water for about 15 minutes; seek the help of an ophthalmologist if necessary. |
|            | If ingested:  | Do not induce vomiting. Rinse mouth with water. Seek medical attention if necessary.  |
|            | Personal protection of a person providing first aid:                                | No information.   |
| <b>4.2</b> | <b>Most important symptoms and effects, both acute and delayed</b>                  |   |
|            | If inhaled:   | No symptoms are expected after inhalation.  |
|            | In case of skin contact:  | Redness, itching or burning sensation in sensitive people and with prolonged use.   |
|            | In case of eye contact:   | Tearing, redness and burning sensation may occur upon direct contact.   |
|            | If ingested:  | In case of ingestion, nausea, vomiting and diarrhoea may occur.   |
| <b>4.3</b> | <b>Statement about the need for urgent medical assistance and special treatment</b> |   |
|            | No information.   |   |

**SECTION 5: FIREFIGHTING MEASURES**

|            |  |   |
|------------|--|---|
| <b>5.1</b> | <b>Extinguishing media</b>   |   |
|            | Appropriate means:   | Adapt fire extinguishing agents to other chemicals in the immediate vicinity. Commercially available fire extinguishers/extinguishing agents can be used for initial fires. |
|            | Inappropriate means:   | Direct water jet.   |
| <b>5.2</b> | <b>Special hazards arising from the substance or mixture</b>   |   |
|            | Hazardous combustion products:   | Carbon monoxide and other toxic compounds. Do not inhale combustion products.   |
| <b>5.3</b> | <b>Advice for firefighters</b>   |   |
|            | Use water mist and spray to cool the surfaces of undamaged containers exposed to heat, to protect people and to trap steam. Only persons trained in fire protection can use water spray (sprayed water jet). In the event of a fire in a closed space, firefighters should always use a fireproof suit (according to HRN EN 469) and a self-contained breathing apparatus with an open circuit with compressed air (HRN EN 137). |   |

**SECTION 6: ACCIDENTAL RELEASE MEASURE**

|              |  |  |
|--------------|--|--|
| <b>6.1</b>   | <b>Personal precautions, protective equipment and emergency procedures</b> |  |
| <b>6.1.1</b> | <b>For people who are not members of the emergency personnel</b>           |  |
|              | Protective equipment:  | Use the recommended personal protective equipment (Section 8)  |
|              | Accident prevention procedures:  | Make sure that everyone follows the recommended instructions for safe handling, storage and transport. |



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|       |  |  |
|-------|--|--|
|       | Procedures in the event of an accident:              | Move unprotected and untrained persons away from the danger zone. Stop further release. Remove all sources of ignition and heat. Ensure good ventilation of the area. Prevent contact with the skin and eyes.  |
| 6.1.2 | For emergency personnel:                             |  |
|       |  | Wear the protective equipment from Section 8. Keep unprotected persons away.   |
| 6.2   | Environmental precautions:                           |  |
|       |  | Prevent the product from reaching the environment, but if it does, it is necessary to prevent the product from reaching watercourses, drainage systems and the soil. In case of major contamination of the environment with the product, call 112.   |
| 6.3   | Methods and material for containment and cleaning up |  |
| 6.3.1 | For fencing, covering, blocking:                     | Prevent spillage into waterways and drainage systems by installing sand (or similar material) dams and barriers. Ensure good ventilation.  |
| 6.3.2 | For cleaning:  | Cover the spilled amount with absorbent material (sand, earth, bentonite, silica gel). Collect as much of the resulting mass as possible in a container for hazardous waste and hand it over to an entity authorized for the disposal of hazardous waste. Wash off the residue with water. |
| 6.3.3 | Other information:                                   | Dispose of in accordance with section 13.  |
| 6.4   | Reference to other sections                          |  |
|       |  | See section 7 for information on safe handling.<br>See section 8 for information on personal protective equipment.<br>See section 13 for disposal information.   |

**SECTION 7: HANDLING AND STORAGE**

|       |  |  |
|-------|--|--|
| 7.1   | Precautions for safe handling                                |  |
| 7.1.1 | Safety measures  |  |
|       | Fire prevention measures:                                    | Remove all sources of ignition and heat. No smoking.   |
|       | Measures to prevent aerosol and dust formation:              | Follow the instructions for use. Use only in well-ventilated areas. Product packages must be tightly sealed.   |
|       | Environmental precautions:                                   | Follow the instructions for use.   |
|       | Other measures:  | Provide eyewash stations near the workplace.   |
| 7.1.2 | Advice on general hygiene in the workplace                   |  |
|       |  | Do not eat, drink or smoke in a place where chemicals are used. Wash your hands after work and before breaks. Use personal protective equipment as indicated in Section 8. Immediately remove contaminated clothing and shoes. |
| 7.2   | Conditions for safe storage, including any incompatibilities |  |



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| Technical measures and storage conditions:   | Store the product in a dry and well-ventilated area, away from sources of heat, ignition and direct sunlight. Make sure that everyone follows the recommended instructions for safe handling. |
| Container materials:                         | Store only in the original, tightly closed containers. Pouring into any other packaging is not allowed.   |
| Storage space and container requirements:    | The drain in the floor must not be directed into the sewage system. Label the storage space in accordance with the Chemicals Act.   |
| Advice for furnishing the storage area:      | -   |
| Other information on storage conditions:     | -   |
| <b>7.3</b>                                   | <b>Specific end use(s)</b>  |
| Recommendations:                             | Household laundry detergent.  |
| Special solutions for the industrial sector: | -   |

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| <b>8.1</b>  | <b>Control parameters</b> |                                  |                       |                          |
|---|---------------------------|----------------------------------|-----------------------|--------------------------|
| Substance   | CAS number                | Exposure limit values (GVI/KGVI) |                       | Biological limit values  |
|   |                           | ppm                              | mg/m <sup>3</sup>     |                          |
| -   | -                         | -                                | -                     | -                        |
| Substance name:   |                           |                                  |                       |                          |
| EC number:  | CAS number:               |                                  |                       |                          |
| <b>DNEL</b>   |                           |                                  |                       |                          |
| <b>Industrial</b>   |                           |                                  |                       |                          |
| Exposure method:  | Acute local effects       | Acute systemic effects           | Chronic local effects | Chronic systemic effects |
| Oral  | No information            | No information                   | No information        | No information           |
| Inhalation  | No information            | No information                   | No information        | No information           |
| Dermal  | No information            | No information                   | No information        | No information           |
| Key physical parameters: solubility, flammability, corrosiveness: |                           |                                  |                       |                          |
| <b>User</b>   |                           |                                  |                       |                          |
| Exposure method:  | Acute local effects       | Acute systemic effects           | Chronic local effects | Chronic systemic effects |
| Oral  | No information            | No information                   | No information        | No information           |
| Inhalation  | No information            | No information                   | No information        | No information           |



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|--|--|---|----------------|----------------|
| Dermal                                 | No information   | No information  | No information | No information |
| <b>PNEC</b>                            |  |   |                |                |
| Protected target in the environment    |  | <b>PNEC</b>   |                |                |
| Freshwater                             |  | No information.   |                |                |
| Freshwater sediments                   |  | No information.   |                |                |
| Seawater                               |  | No information.   |                |                |
| Seawater sediments                     |  | No information.   |                |                |
| Food chain                             |  | No information.   |                |                |
| Microorganisms in wastewater treatment |  | No information.   |                |                |
| Soil (agricultural)                    |  | No information.   |                |                |
| Air                                    |  | No information.   |                |                |
|  |  |   |                |                |
| 8.2                                    | Exposure controls  |   |                |                |
| 8.2.1                                  | Appropriate control devices                                      |   |                |                |
|  | Measures to prevent exposure during recommended use:             | Avoid contact with eyes and skin. Use the specified protective equipment.   |                |                |
|  | Structural exposure prevention measures:                         | -   |                |                |
|  | Organizational exposure prevention measures:                     | -   |                |                |
|  | Technical exposure prevention measures:                          | Ensure sufficient air exchange and/or extraction in the work areas. Provide eyewash stations near the workplace.  |                |                |
| 8.2.2                                  | Personal protective measures, e.g. personal protective equipment |   |                |                |
| 8.2.2.1                                | Eye/face protection:   | In case of risk of contact, protective glasses (HRN EN 166).  |                |                |
| 8.2.2.2                                | Skin protection  |   |                |                |
|  | Hand protection:   | For prolonged contact, use disposable protective gloves made of nitrile rubber (duration of use > 480 min, thickness >0.1 mm) (HRN EN 374). Follow the manufacturer's instructions for use, storage, maintenance and replacement of protective gloves. In case of damage or when the first signs of wear appear, the gloves should be replaced. |                |                |
|  | Protection of other parts of the body:                           | Wear appropriate work clothes (HRN EN ISO 13688) made of natural materials (cotton or the like) in case of long-term and frequent use.  |                |                |
| 8.2.2.3                                | Respiratory system protection:                                   | Not required under normal work conditions.  |                |                |
| 8.2.2.4                                | Thermal hazards:   | -   |                |                |
| 8.2.3                                  | Environmental exposure control                                   |   |                |                |



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| Measures to prevent exposure to the substance/mixture: | Prevent contact with the skin, eyes and clothes. Do not eat, drink or smoke when handling. Wash your hands before taking a break and at the end of the working day. Wash contaminated clothing before reuse. |
| Structural exposure prevention measures:               | -  |
| Organizational exposure prevention measures:           | -  |
| Technical exposure prevention measures:                | -  |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

| 9.1 Information on basic physical and chemical properties |                                 |       |        |
|---|---------------------------------|-------|--------|
|   |                                 | Value | Method |
| Aggregate state:  | Liquid                          | -     |        |
| Colour:   | Colourless                      | -     |        |
| Smell/smell threshold:                                    | Fresh                           | -     |        |
| Melting/freezing point:                                   | No information                  | -     |        |
| Boiling point or initial boiling point and boiling range: | No information                  | -     |        |
| Flammability:   | No information                  | -     |        |
| Lower and upper explosive limits:                         | No information                  | -     |        |
| Flash point:  | No information                  | -     |        |
| Auto-ignition temperature:                                | No information                  | -     |        |
| Decomposition temperature:                                | No information                  | -     |        |
| pH:   | 8.4 – 9.1                       | -     |        |
| Kinematic viscosity:                                      | No information                  | -     |        |
| Solubility(ies):  | No information                  | -     |        |
| n-octanol/water partition coefficient (log Pow):          | No information                  | -     |        |
| Vapor pressure:   | No information                  | -     |        |
| Density and/or relative density:                          | 1.048 – 1.054 g/cm <sup>3</sup> | -     |        |
| Relative vapor density:                                   | No information                  | -     |        |
| Particle properties:                                      | No information                  | -     |        |
| 9.2 Other information                                     |                                 |       |        |
|   | -                               |       |        |



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**SECTION 10: STABILITY AND REACTIVITY**

|      |                                     |   |
|------|-------------------------------------|---|
| 10.1 | Reactivity:                         | Non-reactive under the prescribed conditions of use and storage.  |
| 10.2 | Chemical stability:                 | Stable under the prescribed conditions of use and storage.  |
| 10.3 | Possibility of hazardous reactions: | No dangerous reactions under the prescribed conditions of use and storage.  |
| 10.4 | Conditions to avoid:                | Observe the prescribed storage conditions.  |
| 10.5 | Incompatible materials:             | No information.   |
| 10.6 | Hazardous decomposition products:   | No dangerous decay products under the prescribed conditions of use and storage. In case of fire, carbon monoxide. |

**SECTION 11: TOXICOLOGICAL INFORMATION**

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

Acute toxicity:

| Route of exposure   | Method                  | Organism        | Dose<br>LD <sub>50</sub> /LC <sub>50</sub> or<br>ATE <sub>mixture</sub> | Exposure period | Result          |
|---|-------------------------|-----------------|---|-----------------|-----------------|
| Alcohols, C12-14, ethoxylated, sulphates, sodium salts      |                         |                 |   |                 |                 |
| Ingestion:  | OECD Test Guideline 401 | Rat             | > 2,000–5,000 mg/kg;  | No information. | No information. |
| Skin contact:   | OECD Test Guideline 402 | Rat             | >2.000 mg/kg  | No information. | No information. |
| Inhalation:   | No information.         | No information. | No information.   | No information. | No information. |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives        |                         |                 |   |                 |                 |
| Ingestion:  | OECD Test Guideline 401 | Rat             | > 300–2,000 mg/kg   | No information. | No information. |
| Skin contact:   | OECD Test Guideline 402 | Rat             | >2.000 mg/kg  | No information. | No information. |
| Inhalation:   | No information.         | No information. | No information.   | No information. | No information. |
| Alcohols, C12-14, ethoxylated                               |                         |                 |   |                 |                 |
| Ingestion:  | No information.         | Rat             | >1200 mg/kg   | No information. | No information. |
| Skin contact:   | No information.         | No information. | No information.   | No information. | No information. |
| Inhalation:   | No information.         | No information. | No information.   | No information. | No information. |
| Specific target organ toxicity — single exposure (STOT-SE): |                         |                 |   |                 |                 |
|   | Specific effects        |                 |   | Exposed organ   | Note            |





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|                                  |                      |                 |   |                         |   |
|----------------------------------|----------------------|-----------------|---|-------------------------|---|
| Ingestion:                       | No information.      | No information. | No information.                           |                         |   |
| Skin contact:                    | No information.      | No information. | No information.                           |                         |   |
| Inhalation:                      | No information.      | No information. | No information.                           |                         |   |
| <b>Aspiration hazard:</b>        |                      |                 |   |                         |   |
| No information.                  |                      |                 |   |                         |   |
| <b>Irritation and corrosion:</b> |                      |                 |   |                         |   |
|                                  | Duration of exposure | Organism        | Evaluation                                | Method                  | Note  |
| Skin irritation/corrosion:       | No information.      | No information. | Does not irritate the skin.               | PATCH test              | Product – VESH White gel  |
| Serious eye damage/irritation:   | No information.      | Chicken         | Does not cause serious eye damage.        | OECD 438                | Product – VESH White gel  |
| Skin irritation/corrosion:       | No information.      | Rabbit          | Causes skin irritation.                   | OECD Test Guideline 404 | Alcohols, C12-14, ethoxylated, sulfates, sodium salts                         |
| Serious eye damage/irritation:   | No information.      | Rabbit          | It causes severe eye irritation.          | OECD Test Guideline 405 | Alcohols, C12-14, ethoxylated, sulphates, sodium salts, $\geq 5\%$ – $< 10\%$ |
| Skin irritation/corrosion:       | No information.      | Rabbit          | Causes serious skin burns and eye damage. | OECD Test Guideline 404 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives                          |
| Serious eye damage/irritation:   | No information.      | Rabbit          | Causes serious eye damage                 | OECD Test Guideline 405 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives                          |



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|---|---|----------------------|---|-----------------|-------------------------------|----------------|
| Skin irritation/corrosion:  | No information.   | No information.      | No known significant effects or critical hazards. | No information. | Alcohols, C12-14, ethoxylated |                |
| Serious eye damage/irritation:  | No information.   | Rabbit               | Very irritating.                                  | No information. | Alcohols, C12-14, ethoxylated |                |
| <b>Hypersensitivity</b>   |   |                      |   |                 |                               |                |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts                           |   |                      |   |                 |                               |                |
| Skin contact:   | Guinea pig maximization test: does not cause hypersensitivity (OECD Test Guideline 406) |                      |   |                 |                               |                |
| Inhalation:   |   |                      |   |                 |                               |                |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives                            |   |                      |   |                 |                               |                |
| Skin contact:   | Guinea pig maximization test: does not cause hypersensitivity                           |                      |   |                 |                               |                |
| Inhalation:   |   |                      |   |                 |                               |                |
| <b>Symptoms related to physical, chemical and toxicological characteristics</b> |   |                      |   |                 |                               |                |
| Ingestion:  | No information  |                      |   |                 |                               |                |
| Skin contact:   | No information  |                      |   |                 |                               |                |
| Inhalation:   | No information  |                      |   |                 |                               |                |
| Eye contact:  | No information  |                      |   |                 |                               |                |
| <b>Repeated dose toxicity (subacute, subchronic, chronic)</b>                   |   |                      |   |                 |                               |                |
|   | Dose  | Duration of exposure | Organism  | Method          | Evaluation                    | Note           |
| Subacute oral   | No information  | No information       | No information                                    | No information  | No information                | No information |
| Subacute dermal   | No information  | No information       | No information                                    | No information  | No information                | No information |
| Subacute inhalation   | No information  | No information       | No information                                    | No information  | No information                | No information |
| Subchronic oral   | No information  | No information       | No information                                    | No information  | No information                | No information |
| Subchronic dermal   | No information  | No information       | No information                                    | No information  | No information                | No information |



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|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Subchronic inhalation | No information | No information | No information | No information | No information | No information |
| Chronic oral          | No information | No information | No information | No information | No information | No information |
| Chronic dermal        | No information | No information | No information | No information | No information | No information |
| Chronic inhalation    | No information | No information | No information | No information | No information | No information |

**Specific target organ toxicity — repeated exposure (STOT-RE):**

|                       | Specific effects | Exposed organ  | Note           |
|-----------------------|------------------|----------------|----------------|
| Subacute oral         | No information   | No information | No information |
| Subacute dermal       | No information   | No information | No information |
| Subacute inhalation   | No information   | No information | No information |
| Subchronic oral       | No information   | No information | No information |
| Subchronic dermal     | No information   | No information | No information |
| Subchronic inhalation | No information   | No information | No information |
| Chronic oral          | No information   | No information | No information |
| Chronic dermal        | No information   | No information | No information |
| Chronic inhalation    | No information   | No information | No information |

**CMR effects (carcinogenic, mutagenic and reprotoxic)**

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives

|                               |  |
|-------------------------------|--|
| Carcinogenicity:              | It has been proven that the substance is not genotoxic, therefore it is not expected to have carcinogenic potential. |
| <i>In vitro</i> mutagenicity: | It does not show mutagenic effects.  |
| Genotoxicity:                 | It does not show mutagenic effects.  |
| <i>In vivo</i> mutagenicity:  | It does not show mutagenic effects.  |
| Germ cell mutagenicity:       |  |



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| Reproductive toxicity:                         | Rat; oral food; 2 years<br>NOAEL ((parents)): 350 mg/kg (based on body weight and day) |
| Overall evaluation of CMR properties:          | No information.  |
| <b>11.2 Information on other hazards</b>       |  |
| <b>11.2.1 Endocrine disrupting properties:</b> |  |
| No information.                                |  |
| <b>11.2.2 Other information:</b>               |  |
| No information.                                |  |

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

| Acute toxicity       | Dose            | Exposure period | Organism                | Method                             | Evaluation      | Note  |
|----------------------|-----------------|-----------------|-------------------------|------------------------------------|-----------------|---|
| Fish                 | > 1–10 mg/l     | 96 hours        | Brachydanio rerio       | OECD Test Guideline 203            | No information. | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Crustaceans          | > 1–10 mg/l     | 48 hours        | Daphnia magna           | OECD Test Guideline 202            | No information. |   |
| Algae/aquatic plants | > 10–100 mg/l   | 72 hours        | Desmodesmus subspicatus | OECD Test Guideline 201            | No information. |   |
| Other organisms      | > 10.000 mg/l   | No information. | Pseudomonas putida      | Cell proliferation inhibition test | No information. |   |
| Fish                 | > 1–10 mg/l     | 96 hours        | Lepomis macrochirus     | Static test; US EPA 1975           | No information. | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives  |
| Crustaceans          | > 1–10 mg/l     | 48 hours        | Daphnia magna           | OECD Test Guideline 202            | No information. |   |
| Algae/aquatic plants | > 4 mg/l        | 28 d            | Elodea canadensis       | No information.                    | No information. |   |
| Other organisms      | No information. | No information. | No information.         | No information.                    | No information. |   |
| Chronic toxicity     | Dose            | Exposure period | Organism                | Method                             | Evaluation      | Note  |



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|                      |                  |                 |                     |                         |                 |   |
|----------------------|------------------|-----------------|---------------------|-------------------------|-----------------|---|
| Fish                 | 0.14 mg/l        | 28 d            | Oncorhynchus mykiss | OECD Test Guideline 204 | No information. | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Crustaceans          | 0.27 mg/l        | 21 d            | Daphnia magna       | OECD Test Guideline 211 | No information. |   |
| Algae/aquatic plants | IC <sub>50</sub> | 72 hours        | No information.     | No information.         | No information. |   |
| Other organisms      | No information.  | No information. | No information.     | No information.         | No information. |   |
| Fish                 | 1 mg/l           | 28 d            | Lepomis macrochirus | No information.         | No information. | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives  |
| Crustaceans          | > 1–10 mg/l      | 32 d            | Elimia              | No information.         | No information. |   |
| Algae/aquatic plants | No information.  | No information. | No information.     | No information.         | No information. |   |
| Other organisms      | No information.  | No information. | No information.     | No information.         | No information. |   |
| Fish                 | 10–100 mg/l      | 96 hours        | No information.     | No information.         | No information. | Alcohols, C12-14, ethoxylated                         |
| Crustaceans          | 10–100 mg/l      | 48 hours        | No information.     | No information.         | No information. |   |
| Algae/aquatic plants | 10–100 mg/l      | 72 hours        | No information.     | No information.         | No information. |   |
| Other organisms      | No information.  | No information. | No information.     | No information.         | No information. |   |

**12.2 Persistence and degradability**

**Abiotic degradation**

|            | Duration of semi-degradation | Method          | Evaluation      | Note            |
|------------|------------------------------|-----------------|-----------------|-----------------|
| Seawater   | No information.              | No information. | No information. | No information. |
| Freshwater | No information.              | No information. | No information. | No information. |
| Air        | No information.              | No information. | No information. | No information. |
| Soil       | No information.              | No information. | No information. | No information. |

**Biodegradation**

| % of degradation | Time (days) | Method | Evaluation | Note |
|------------------|-------------|--------|------------|------|
|------------------|-------------|--------|------------|------|



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|      |     |                          |                 |   |
|------|-----|--------------------------|-----------------|---|
| >70% | 28d | OECD Test Guideline 301A | No information. | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| >70% | 28d | OECD Test Guideline 301A | No information. | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives  |
| 65.4 | 28d | OECD 301D                | No information. | Alcohols, C12-14, ethoxylated                         |

**12.3 Bioaccumulative potential**

Octanol/water partition coefficient (log Pow)

| Value           | Concentration   | pH              | °C              | Method          | Evaluation      | Note            |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| No information. | No information. | No information. | No information. | No information. | No information. | No information. |

Bioconcentration factor (BCF)

| Value           | Organism        | Method          | Evaluation      | Note            |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| No information. | No information. | No information. | No information. | No information. |

Chronic ecotoxicity

| Value                                 | Dose             | Exposure period | Organism        | Method          | Evaluation      | Note            |
|---------------------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Chronic fish toxicity                 | LC <sub>50</sub> | No information. | No information. | No information. | No information. | No information. |
| Chronic crustacean (Daphnia) toxicity | EC <sub>50</sub> | No information. | No information. | No information. | No information. | No information. |

**12.4 Mobility in soil**

Known or assumed distribution in the environment:

No information.

Surface tension:

| Value           | °C              | Concentration   | Method          | Note            |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| No information. | No information. | No information. | No information. | No information. |

Adsorption/desorption



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| Transport   | A/D coefficient<br>Henry's Const. | log Pow         | Volatility      | Method          | Note            |
|---|-----------------------------------|-----------------|-----------------|-----------------|-----------------|
| Soil-water  | No information.                   | No information. | No information. | No information. | No information. |
| Water-air   | No information.                   | No information. | No information. | No information. | No information. |
| Soil-air  | No information.                   | No information. | No information. | No information. | No information. |
| <b>12.5 Results of PBT and vPvB assessment</b>  |                                   |                 |                 |                 |                 |
| The mixture does not contain vPvB or PBT substances.  |                                   |                 |                 |                 |                 |
| <b>12.6 Endocrine disrupting properties</b>   |                                   |                 |                 |                 |                 |
| No information.   |                                   |                 |                 |                 |                 |
| <b>12.7 Other adverse effects</b>   |                                   |                 |                 |                 |                 |
| No information.   |                                   |                 |                 |                 |                 |
| <b>SECTION 13: DISPOSAL</b>   |                                   |                 |                 |                 |                 |
| <b>13.1 Waste treatment methods</b>   |                                   |                 |                 |                 |                 |
| <b>13.1.1 Disposal of the product/packaging:</b>  |                                   |                 |                 |                 |                 |
| Hand over a large amount of unused product for disposal to a legal entity authorized for disposal of hazardous waste.<br>Empty packaging should be disposed with household waste. |                                   |                 |                 |                 |                 |
| <b>13.1.2 Waste code:</b>   |                                   |                 |                 |                 |                 |
| 15 01 02 Plastic packaging<br>20 01 30 Detergents   |                                   |                 |                 |                 |                 |
| <b>13.1.3 Waste treatment methods:</b>  |                                   |                 |                 |                 |                 |
| According to the Waste Management Act, the Ordinance on Waste Catalogue, the Ordinance on Packaging and Waste Packaging.  |                                   |                 |                 |                 |                 |
| <b>13.1.4 Possibility of spilling into the sewer:</b>   |                                   |                 |                 |                 |                 |
| Spilling into sewers, drainage systems or waterways is prohibited.  |                                   |                 |                 |                 |                 |
| <b>13.1.5 Other recommendations for disposing:</b>  |                                   |                 |                 |                 |                 |
| No information.   |                                   |                 |                 |                 |                 |



13.1.6 Relevant regulations:

Regulation on waste management.

**SECTION 14: TRANSPORT INFORMATION**

Land transport by road (ADR)

|      |                                     |  |
|------|-------------------------------------|--|
| 14.1 | UN number or identification number: | Not classified as dangerous for transport. |
| 14.2 | UN proper shipping name:            | -  |
| 14.3 | Transport hazard class(es):         | -  |
| 14.4 | Packing group:                      | -  |
| 14.5 | Environmental hazards:              | -  |
| 14.6 | Special precautions for user:       | -  |

Rail transport (RID)

|      |                                     |  |
|------|-------------------------------------|--|
| 14.1 | UN number or identification number: | Not classified as dangerous for transport. |
| 14.2 | UN proper shipping name:            | -  |
| 14.3 | Transport hazard class(es):         | -  |
| 14.4 | Packing group:                      | -  |
| 14.5 | Environmental hazards:              | -  |
| 14.6 | Special precautions for user:       | -  |

Transport by inland waterways (ADN)

|      |                                     |  |
|------|-------------------------------------|--|
| 14.1 | UN number or identification number: | Not classified as dangerous for transport. |
| 14.2 | UN proper shipping name:            | -  |
| 14.3 | Transport hazard class(es):         | -  |
| 14.4 | Packing group:                      | -  |
| 14.5 | Environmental hazards:              | -  |
| 14.6 | Special precautions for user:       | -  |

Maritime transport (IMDG)

|      |  |  |
|------|--|--|
| 14.1 | UN number or identification number:                            | Not classified as dangerous for transport. |
| 14.2 | UN proper shipping name:                                       | -  |
| 14.3 | Transport hazard class(es):                                    | -  |
| 14.4 | Packing group:   | -  |
| 14.5 | Environmental hazards:   | -  |
| 14.6 | Special precautions for user:                                  | -  |
| 14.7 | Maritime transport in bulk in accordance with IMO instruments: | -  |

Air transport (ICAO-TI/IATA-DGR)

|      |                                     |  |
|------|-------------------------------------|--|
| 14.1 | UN number or identification number: | Not classified as dangerous for transport. |
| 14.2 | UN proper shipping name:            | -  |
| 14.3 | Transport hazard class(es):         | -  |



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|  |                               |   |
|--|-------------------------------|---|
| 14.4   | Packing group:                | - |
| 14.5   | Environmental hazards:        | - |
| 14.6   | Special precautions for user: | - |
| Additional information: Transportation of Dangerous Goods Act. |                               |   |

**SECTION 15: REGULATORY INFORMATION**

|      |  |  |
|------|--|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture |  |
|      | EU regulations   |  |
|      | Authorizations and/or restrictions on use  |  |
|      | Authorizations:  | -  |
|      | Restrictions:  | -  |
|      | Other EU regulations:  | Regulation (EC) no. 1272/2008 (CLP)<br>Regulation (EC) no. 1907/2006 (REACH)<br>Regulation (EC) no. 648/2004 on detergents   |
|      | Data (Directive 1999/13/EC) on emission limits of volatile organic compounds (VOC):            |  |
|      | National regulations:  | Chemicals Act OG 18/13, Transportation of Dangerous Goods Act OG 79/07, Regulation on waste management, Ordinance on Protection of Workers from Exposure to Hazardous Chemicals at Work, Occupational Exposure Limit Values and Biological Exposure Limit Values |
| 15.2 | Chemical safety assessment   |  |
|      | Not conducted.   |  |

**SECTION 16: OTHER INFORMATION**

|      |  |  |
|------|--|--|
| 16.1 | List of amendments:  | Edition I  |
| 16.2 | Abbreviations:   | IMDG: International Maritime Code for Dangerous Goods<br>IATA: International Air Transport Association<br>ICAO: International Civil Aviation Organization<br>GHS: Globally Harmonized System of Classification and Labelling of Chemicals<br>LD50 Lethal dose, 50%<br>LC50 Lethal concentration, 50%<br>Acute tox. 4 – Acute toxicity (swallowing), hazard category 4<br>Skin corr. 1.C – Skin corrosion/irritation, hazard category 1.C,<br>Skin Irrit. 2 – Skin irrit./corrosion, hazard category 2<br>Eye dam. 1 – Serious eye damage/eye irritation, hazard category 1<br>Aquatic Chronic 3 – Chronic aquatic hazard, category 3 |
| 16.3 | Key references and data sources:   | Material Safety Data Sheets, CLP Regulation, <a href="http://www.hzt.hr">www.hzt.hr</a> , ECHA   |
| 16.4 | Classification and use of classification procedures for mixtures according to the CLP Regulation |  |

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| Classification according to CLP     |   | Classification procedure   |
|-------------------------------------|---|--|
| H319 Causes serious eye irritation. |   | Calculation method   |
| 16.5                                | Corresponding H-labels (number and full text) |  |
|                                     | H<br>:<br>302<br>314<br>315<br>318<br>412     | Harmful if swallowed.<br>Causes severe skin burns and eye injuries.<br>It causes skin irritation.<br>Causes serious eye injuries.<br>Harmful to aquatic life with long lasting effects.  |
| 16.6                                | Advice for training:                          | No information.  |
| 16.7                                | Further information:                          | To the best of our knowledge, the information contained in this Safety Data Sheet corresponds to our current knowledge of the product. All materials are potentially hazardous and should be used with care. Although certain hazards are described here, we cannot guarantee that these are the only existing hazards.<br>The product must not be used for purposes other than those specified in the instructions. In case of mixing with different products, it is necessary to check whether there are additional hazards. If the product is used contrary to the manufacturer's instructions, the manufacturer does not assume any responsibility regarding the instructions.<br>Always read the label and product information. |

**APPENDIX:****EXPOSURE SCENARIOS ACCORDING TO THE CHEMICAL SAFETY REPORT**