|  |
| --- |
| **SECTION 1: Identification of the substance/mixture and of the company/ undertaking**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **1.1**  | **Product identifier**  |

|  |  |  |  |
| --- | --- | --- | --- |
|    |

|  |  |
| --- | --- |
|    | CAR SHAMPHOO  |

 |

|  |  |
| --- | --- |
| **1.2**  | **Relevant identified uses of the substance or mixture and uses advised against**  |

|  |  |
| --- | --- |
|    | **Relevant identified uses**  |

|  |  |
| --- | --- |
|    | **Environmental release categories [ERC]**  |

|  |  |
| --- | --- |
|    | ERC 8a - Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)  |

|  |  |
| --- | --- |
|    | **Uses advised against**  |

|  |  |
| --- | --- |
|    | This product should not be used for purposes other than the applications referred to above.  |

|  |  |
| --- | --- |
| **1.3**  | **Details of the supplier of the safety data sheet**  |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **Supplier (manufacturer/importer/distributor)**

|  |  |
| --- | --- |
|    | Macoproducts bv  |

 |

|  |  |
| --- | --- |
|    | **Street :** Marsweg 40a  |
|    | **Postal code/city :** 8013PD   Zwolle, Nederland  |
|    | **Telephone :** +31(0)38 – 741 00 08  |
|    | **Information contact :** info@macoproducts.nl  |

|  |  |
| --- | --- |
| **1.4**  | **Emergency telephone number**  |

|  |  |  |  |
| --- | --- | --- | --- |
|    |

|  |  |
| --- | --- |
|    | +31 30 274 88 88 (08.00 - 17.00)  |

 |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 2: Hazards identification**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **2.1**  | **Classification of the substance or mixture**  |

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

|  |  |
| --- | --- |
|    | Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.  |

|  |  |
| --- | --- |
|    | **Classification procedure**  |

|  |  |
| --- | --- |
|    | H319: Obtained on the basis of the calculation method |

|  |  |
| --- | --- |
| **2.2**  | **Label elements**  |

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

|  |  |
| --- | --- |
|    | **Hazard pictograms**  |

|  |  |
| --- | --- |
|    | \\WIN-R77P079L2AJ\Envicon81\MSDS\GIF\GHS07.gif |

|  |  |
| --- | --- |
|    | Exclamation mark (GHS07)  |

|  |  |
| --- | --- |
|    | **Signal word**  |

|  |  |
| --- | --- |
|    | Warning  |

|  |  |
| --- | --- |
|    | **Hazard statements**  |

|  |  |  |
| --- | --- | --- |
|    | H319  | Causes serious eye irritation.  |

|  |  |
| --- | --- |
|    | **Precautionary statements**  |

|  |  |  |
| --- | --- | --- |
|    | P264  | Wash ... thoroughly after handling.  |
|    | P280  | Wear protective gloves/protective clothing/eye protection/face protection.  |
|    | P337+P313  | If eye irritation persists: Get medical advice/attention.  |
|    | P305+P351+P338  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  |

|  |  |
| --- | --- |
|    | **Remark**  |

|  |  |
| --- | --- |
|    | The product is classified and labelled according to EC directives or corresponding national laws.  |

|  |  |
| --- | --- |
| **2.3**  | **Other hazards**  |

|  |  |
| --- | --- |
|    | Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).  |

|  |  |
| --- | --- |
| **2.4**  | **Additional information**  |

|  |  |
| --- | --- |
|    | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.  |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 3: Composition/information on ingredients**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **3.2**  | **Mixtures**  |

|  |  |
| --- | --- |
|    | **Hazardous ingredients**  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    |

|  |  |
| --- | --- |
|    | ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS ( < 2,5 EO) ; REACH No. : 01-2119488639 ; EC No. : 500-234-8; CAS No. : 68891-38-3  |
|    |

|  |  |  |
| --- | --- | --- |
|    | Weight fraction :  | ≥ 1 - < 3 %  |
|    | Classification 1272/2008 [CLP] :  | Eye Dam. 1 ; H318  Skin Irrit. 2 ; H315  Aquatic Chronic 3 ; H412    |

 |

 |

|  |  |
| --- | --- |
|    | **Additional information**  |

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

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 4: First aid measures**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **4.1**  | **Description of first aid measures**  |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **General information**

|  |  |
| --- | --- |
|    | When in doubt or if symptoms are observed, get medical advice.  |

 |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **Following inhalation**

|  |  |
| --- | --- |
|    | No special measures are necessary.  |

 |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **In case of skin contact**

|  |  |
| --- | --- |
|    | Wash immediately with: Water and soap Change contaminated, saturated clothing. Wash contaminated clothing prior to re-use.  |

 |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **After eye contact**

|  |  |
| --- | --- |
|    | Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.  |

 |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **After ingestion**

|  |  |
| --- | --- |
|    | Call a physician in any case! Do NOT induce vomiting. If major quantity of dust is swallowed or inhaled, immediately drink: Water  |

 |

|  |  |
| --- | --- |
| **4.2**  | **Most important symptoms and effects, both acute and delayed**  |

|  |  |
| --- | --- |
|    | The following symptoms may occur: No known symptoms to date. Repeated exposure may cause skin dryness or cracking.  |

|  |  |
| --- | --- |
| **4.3**  | **Indication of any immediate medical attention and special treatment needed**  |

|  |  |
| --- | --- |
|    | None  |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 5: Firefighting measures**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **5.1**  | **Extinguishing media**  |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **Suitable extinguishing media**

|  |  |
| --- | --- |
|    | Water mist Foam Extinguishing powder Carbon dioxide (CO2)  |

 |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **Unsuitable extinguishing media**

|  |  |
| --- | --- |
|    | Full water jet  |

 |

|  |  |
| --- | --- |
| **5.2**  | **Special hazards arising from the substance or mixture**  |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **Hazardous combustion products**

|  |  |
| --- | --- |
|    | Do not breathe gas/fumes/vapour/spray. Carbon monoxide Carbon dioxide (CO2)  |

 |

|  |  |
| --- | --- |
| **5.3**  | **Advice for firefighters**  |

|  |  |
| --- | --- |
|    | In case of fire: Wear self-contained breathing apparatus. Protective clothing.  |

|  |  |
| --- | --- |
| **5.4**  | **Additional information**  |

|  |  |
| --- | --- |
|    | Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 6: Accidental release measures**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **6.1**  | **Personal precautions, protective equipment and emergency procedures**  |

|  |  |
| --- | --- |
|    | **For non-emergency personnel**  |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **Protective equipment**

|  |  |
| --- | --- |
|    | Avoid contact with skin, eyes and clothes. Use personal protection equipment.  |

 |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **Emergency procedures**

|  |  |
| --- | --- |
|    | In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  |

 |

|  |  |
| --- | --- |
| **6.2**  | **Environmental precautions**  |

|  |  |
| --- | --- |
|    | Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  |

|  |  |
| --- | --- |
| **6.3**  | **Methods and material for containment and cleaning up**  |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **For containment**

|  |  |
| --- | --- |
|    | Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.  |

 |

|  |  |  |  |
| --- | --- | --- | --- |
|    | **For cleaning up**

|  |  |
| --- | --- |
|    | Suitable material for taking up: Sand Absorbing material, organic  |

 |

|  |  |
| --- | --- |
| **6.4**  | **Reference to other sections**  |

|  |  |
| --- | --- |
|    | See protective measures under point 7 and 8.  |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 7: Handling and storage**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
|    | \\WIN-R77P079L2AJ\Envicon81\MSDS\GIF\Verb_19.gif |

|  |  |
| --- | --- |
| **7.1**  | **Precautions for safe handling**  |

|  |  |
| --- | --- |
|    | None  |

|  |  |
| --- | --- |
| **7.2**  | **Conditions for safe storage, including any incompatibilities**  |

|  |  |
| --- | --- |
|    | **Technical measures and storage conditions**  |

|  |  |
| --- | --- |
|    | Keep/Store only in original container. Suitable container/equipment material: Stainless steel Polyethylene (PE) Unsuitable container/equipment material: Butyl caoutchouc (butyl rubber)  |

|  |  |
| --- | --- |
| **7.3**  | **Specific end use(s)**  |

|  |  |
| --- | --- |
|    | None  |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 8: Exposure controls/personal protection**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **8.1**  | **Control parameters**  |

|  |  |
| --- | --- |
|    | **DNEL-/PNEC-values**  |

|  |  |
| --- | --- |
|    | **DNEL/DMEL**  |

|  |  |
| --- | --- |
|    | ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS ( < 2,5 EO) ; CAS No. : 68891-38-3  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | DNEL Consumer (local and systemic)  |
|  |   Exposure route :  | Dermal  |
|  |   Exposure frequency :  | Long-term  |
|  |   Limit value :  | 1650 mg/kg  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | DNEL Consumer (local and systemic)  |
|  |   Exposure route :  | Inhalation  |
|  |   Exposure frequency :  | Long-term  |
|  |   Limit value :  | 52 mg/m3  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | DNEL Consumer (local and systemic)  |
|  |   Exposure route :  | Oral  |
|  |   Exposure frequency :  | Long-term  |
|  |   Limit value :  | 0,079 mg/cm2  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | DMEL worker (local and systemic)  |
|  |   Exposure route :  | Dermal  |
|  |   Exposure frequency :  | Long-term  |
|  |   Limit value :  | 2750 mg/kg  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | DMEL worker (local and systemic)  |
|  |   Exposure route :  | Inhalation  |
|  |   Exposure frequency :  | Long-term  |
|  |   Limit value :  | 175 mg/m3  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | DMEL worker (local and systemic)  |
|  |   Exposure route :  | Dermal  |
|  |   Exposure frequency :  | Long-term  |
|  |   Limit value :  | 0,132 mg/cm2  |

|  |  |
| --- | --- |
|    | **PNEC**  |

|  |  |
| --- | --- |
|    | ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS ( < 2,5 EO) ; CAS No. : 68891-38-3  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | PNEC (Aquatic, freshwater)  |
|  |   Limit value :  | 24 mL/L  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | PNEC (Aquatic, intermittent release)  |
|  |   Limit value :  | 0,071 mg/l  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | PNEC (Aquatic, marine water)  |
|  |   Limit value :  | 0,024 mg/l  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | PNEC (Sediment, freshwater)  |
|  |   Limit value :  | 0,9168 mg/kg  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | PNEC (Sediment, marine water)  |
|  |   Limit value :  | 0,0917 mg/kg  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | PNEC (Soil)  |
|  |   Limit value :  | 7,5 mg/kg  |

|  |  |  |
| --- | --- | --- |
|    | Limit value type :  | PNEC (Sewage treatment plant)  |
|  |   Limit value :  | 10000 mg/l  |

|  |  |
| --- | --- |
| **8.2**  | **Exposure controls**  |

|  |  |
| --- | --- |
|    | **Personal protection equipment**  |

|  |  |
| --- | --- |
|    | \\WIN-R77P079L2AJ\Envicon81\MSDS\GIF\Geb_01.gif\\WIN-R77P079L2AJ\Envicon81\MSDS\GIF\Geb_06.gif |

|  |  |
| --- | --- |
|    | **Eye/face protection**  |

|  |  |
| --- | --- |
|    | Eye glasses with side protection  |

|  |  |
| --- | --- |
|    | **Skin protection**  |

|  |  |
| --- | --- |
|    | Hand protection Suitable gloves type EN ISO 374 Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber) Required properties liquid-tight. Breakthrough time (maximum wearing time) Permeation time (maximum wear time) Thickness of the glove material Nitril: 0,12 mm Butyl: 0,50 mm  |

|  |  |
| --- | --- |
|    | **General information**  |

|  |  |
| --- | --- |
|    | Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.  |

|  |  |
| --- | --- |
|    | **Environmental exposure controls**  |

|  |  |
| --- | --- |
|    | See section 7. No additional measures necessary.  |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 9: Physical and chemical properties**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **9.1**  | **Information on basic physical and chemical properties**  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|    |

|  |  |
| --- | --- |
| **Appearance :**  | Liquid  |
| **Colour :**  | cloudy  |
| **Odour :**  | No information available.  |

 |

|  |  |
| --- | --- |
|    | **Safety characteristics**  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Physical state :**  |    |    | Liquid    |      |    |
| **Melting point/freezing point :**  |    |    | No data available    |      |    |
| **Freezing point :**  |    |    | No data available    |      |    |
| **Initial boiling point and boiling range :**  | ( 1013 hPa )    | >    | 100    |   °C    |    |
| **Decomposition temperature :**  |    | >    | 200    |   °C    |    |
| **Flash point :**  |    |    | not applicable    |      |    |
| **Auto-ignition temperature :**  |    |    | not applicable    |      |    |
| **Lower explosion limit :**  |    |    | not applicable    |      |    |
| **Upper explosion limit :**  |    |    | not applicable    |      |    |
| **Vapour pressure :**  | ( 50 °C )    |    | not applicable    |      |    |
| **Density :**  | ( 20 °C )    | approx.    | 1    |   g/cm3    |    |
| **Water solubility :**  | ( 20 °C )    |    | 100    |   Wt %    |    |
| **Water solubility :**  | ( 20 °C )    |    | not applicable    |      |    |
| **pH :**  |    |    | 9    |      |    |
| **Flow time :**  | ( 20 °C )    |    | not applicable    |      | DIN-cup 4 mm    |
| **Viscosity :**  | ( 20 °C )    |    |    |   mPa\*s    |    |
| **Odour threshold :**  |    |    | not applicable    |      |    |
| **Vapourisation rate :**  |    |    | not applicable    |      |    |

 |

|  |  |
| --- | --- |
| **9.2**  | **Other information**  |

|  |  |
| --- | --- |
|    | None  |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 10: Stability and reactivity**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **10.1**  | **Reactivity**  |

|  |  |
| --- | --- |
|    | Not applicable  |

|  |  |
| --- | --- |
| **10.2**  | **Chemical stability**  |

|  |  |
| --- | --- |
|    | Stable under normal conditions of use  |

|  |  |
| --- | --- |
| **10.3**  | **Possibility of hazardous reactions**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
| **10.4**  | **Conditions to avoid**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
| **10.5**  | **Incompatible materials**  |

|  |  |
| --- | --- |
|    | Strong oxidizers  |

|  |  |
| --- | --- |
| **10.6**  | **Hazardous decomposition products**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 11: Toxicological information**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **11.1**  | **Information on toxicological effects**  |

|  |  |
| --- | --- |
|    | **Acute toxicity**  |

|  |  |
| --- | --- |
|    | **Acute dermal toxicity**  |

|  |  |  |
| --- | --- | --- |
|    | Parameter :  | LD50 ( ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS ( < 2,5 EO) ; CAS No. : 68891-38-3 )  |
|  |   Exposure route :  | Dermal  |
|  |   Species :  | Rat  |
|  |   Effective dose :  | > 2000 mg/l  |

|  |  |
| --- | --- |
|    | **Acute inhalation toxicity**  |

|  |  |  |
| --- | --- | --- |
|    | Parameter :  | LD50 ( ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS ( < 2,5 EO) ; CAS No. : 68891-38-3 )  |
|  |   Exposure route :  | Inhalation  |
|  |   Species :  | Rat  |
|  |   Effective dose :  | > 2000 mg/kg  |

|  |  |
| --- | --- |
|    | **Corrosion**  |

|  |  |
| --- | --- |
|    | **Skin corrosion/irritation**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **Serious eye damage/eye irritation**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **Irritation to respiratory tract**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **Respiratory or skin sensitisation**  |

|  |  |
| --- | --- |
|    | **Skin sensitisation**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **Sensitisation to the respiratory tract**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  |

|  |  |
| --- | --- |
|    | **Carcinogenicity**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **Germ cell mutagenicity**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **Reproductive toxicity**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **STOT-single exposure**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **STOT-repeated exposure**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
|    | **Aspiration hazard**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |
| --- |
|    |

|  |
| --- |
| **SECTION 12: Ecological information**  |

|  |
| --- |
|    |

|  |  |
| --- | --- |
| **12.1**  | **Toxicity**  |

|  |  |
| --- | --- |
|    | harmless to aquatic organisms up to the tested concentration  |

|  |  |
| --- | --- |
|    | **Aquatic toxicity**  |

|  |  |
| --- | --- |
|    | **Acute (short-term) fish toxicity**  |

|  |  |  |
| --- | --- | --- |
|    | Parameter :  | LC50 ( ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS ( < 2,5 EO) ; CAS No. : 68891-38-3 )  |
|  |   Species :  | Brachydanio rerio (zebra-fish)  |
|  |   Evaluation parameter :  | Acute (short-term) fish toxicity  |
|  |   Effective dose :  | 7,1 mg/l  |
|  |   Exposure time :  | 96 h  |

|  |  |  |
| --- | --- | --- |
|    | Parameter :  | EC50 ( ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS ( < 2,5 EO) ; CAS No. : 68891-38-3 )  |
|  |   Species :  | Daphnia magna (Big water flea)  |
|  |   Evaluation parameter :  | Acute (short-term) fish toxicity  |
|  |   Effective dose :  | 7,4 mg/l  |
|  |   Exposure time :  | 48 h  |

|  |  |  |
| --- | --- | --- |
|    | Parameter :  | EC50 ( ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS ( < 2,5 EO) ; CAS No. : 68891-38-3 )  |
|  |   Species :  | Algae  |
|  |   Evaluation parameter :  | Acute (short-term) toxicity to aquatic algae and cyanobacteria  |
|  |   Effective dose :  | 27 mg/l  |
|  |   Exposure time :  | 72 h  |

|  |  |
| --- | --- |
|    | **Chronic (long-term) fish toxicity**  |

|  |  |  |
| --- | --- | --- |
|    | Parameter :  | NOEC ( ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS ( < 2,5 EO) ; CAS No. : 68891-38-3 )  |
|  |   Species :  | Algae  |
|  |   Evaluation parameter :  | Chronic (long-term) algae toxicity  |
|  |   Effective dose :  | 0,955 mg/l  |
|  |   Exposure time :  | 72 h  |

|  |  |
| --- | --- |
| **12.2**  | **Persistence and degradability**  |

|  |  |
| --- | --- |
|    | Biodegradable.  |

|  |  |
| --- | --- |
| **12.3**  | **Bioaccumulative potential**  |

|  |  |
| --- | --- |
|    | No indication of bioaccumulation potential.  |

|  |  |
| --- | --- |
| **12.4**  | **Mobility in soil**  |

|  |  |
| --- | --- |
|    | No information available.  |

|  |  |
| --- | --- |
| **12.5**  | **Results of PBT and vPvB assessment**  |

|  |  |
| --- | --- |
|    | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.  |

|  |  |
| --- | --- |
|    | The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.  |

|  |  |
| --- | --- |
| **12.6**  | **Other adverse effects**  |

|  |  |
| --- | --- |
|    | None  |

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| **SECTION 13: Disposal considerations**  |

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| **13.1**  | **Waste treatment methods**  |

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| --- | --- |
|    | Delivery to an approved waste disposal company. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.  |

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| **SECTION 14: Transport information**  |

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| --- | --- |
| **14.1**  | **UN number**  |

|  |  |
| --- | --- |
|    | No dangerous good in sense of these transport regulations.  |

|  |  |
| --- | --- |
| **14.2**  | **UN proper shipping name**  |

|  |  |
| --- | --- |
|    | No dangerous good in sense of these transport regulations.  |

|  |  |
| --- | --- |
| **14.3**  | **Transport hazard class(es)**  |

|  |  |
| --- | --- |
|    | No dangerous good in sense of these transport regulations.  |

|  |  |
| --- | --- |
| **14.4**  | **Packing group**  |

|  |  |
| --- | --- |
|    | No dangerous good in sense of these transport regulations.  |

|  |  |
| --- | --- |
| **14.5**  | **Environmental hazards**  |

|  |  |
| --- | --- |
|    | No dangerous good in sense of these transport regulations.  |

|  |  |
| --- | --- |
| **14.6**  | **Special precautions for user**  |

|  |  |
| --- | --- |
|    | None  |

|  |  |
| --- | --- |
| **14.7**  | **Maritime transport in bulk according to IMO instruments**  |

|  |  |
| --- | --- |
|    | Not applicable  |

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| **SECTION 15: Regulatory information**  |

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| --- | --- |
| **15.1**  | **Safety, health and environmental regulations/legislation specific for the substance or mixture**  |

|  |  |
| --- | --- |
|    | **EU legislation**  |

|  |  |
| --- | --- |
|    | **Authorisations and/or restrictions on use**  |

|  |  |
| --- | --- |
|    | **Restrictions on use**  |

|  |  |
| --- | --- |
|    | Use restriction according to REACH annex XVII, no. :   3  |

|  |  |
| --- | --- |
|    | **Other regulations (EU)**  |

|  |  |
| --- | --- |
|    | **Labelling for contents according to regulation (EC) No. 648/2004**  |

|  |  |  |
| --- | --- | --- |
|    |

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| --- |
| None  |

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| **15.2**  | **Chemical safety assessment**  |

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| --- | --- |
|    | Chemical safety assessments for substances in this preparation were not carried out.  |

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| **SECTION 16: Other information**  |

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| **16.1**  | **Indication of changes**  |

|  |  |
| --- | --- |
|    | 02. Classification of the substance or mixture · 02. Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 11. Aspiration hazard · 15. Restrictions on use  |

|  |  |
| --- | --- |
| **16.2**  | **Abbreviations and acronyms**  |

|  |  |
| --- | --- |
|    | ADR = European Agreement concerning the International Carriage of Dangerous Goods by RoadASTM = American Society of Testing and Materials (US)CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)DNEL = Derived No-Effect LevelDT50 = Time for 50% loss; half-lifeEbC50 = Median effective concentration (biomass, e.g. of algae)EC50 = Median effective concentrationEINECS = European Inventory of Existing Commercial Chemical SubstanceELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)ErC50 = Median effective concentration (growth rate, e.g. of algae)EWC = European Waste CatalogueIATA = International Air Transport AssociationIC50 = Concentration that produces 50% inhibitionIMDG = International Maritime Dangerous Goods CodeIMO = International Maritime OrganizationLC50 = Concentration required to kill 50% of test organismsLD50 = Dose required to kill 50% of test organismsLEL = Lower Explosive Limit/Lower Explosion LimitLOAEL = Lowest observed adverse effect levelMRL = Maximum Residue LimitNOAEL = No Observed Adverse Effect LevelNOEC = No observed effect concentrationNOEL = No Observable Effect LevelOEL = Occupational Exposure LimitsPBT = Persistent, Bioaccumulative or ToxicPNEC = Predicted Non Effect ConcentrationSTEL = Short-Term Exposure LimitTWA = Time-Weighted AveragevPvB = Very Persistent and Very Bioaccumulative  |

|  |  |
| --- | --- |
| **16.3**  | **Key literature references and sources for data**  |

|  |  |
| --- | --- |
|    | None  |

|  |  |
| --- | --- |
| **16.4**  | **Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**  |

|  |  |
| --- | --- |
|    | The classification of mixtures and applied evaluation method in accordance with regulation (EC) Nr. 1272/2008 [CLP] has been appointed in section 2.1  |

|  |  |
| --- | --- |
| **16.5**  | **Relevant H- and EUH-phrases (Number and full text)**  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|    |

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

 |

|  |  |
| --- | --- |
| **16.6**  | **Training advice**  |

|  |  |
| --- | --- |
|    | None  |

|  |  |
| --- | --- |
| **16.7**  | **Additional information**  |

|  |  |
| --- | --- |
|    | **Article No.:** 917  |

|  |
| --- |
| The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.  |