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

|  |
| --- |
|  |

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | |  |  | | --- | --- | |  | ALL WHEEL CLEANER (P941) | |

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

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

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | |  |  | | --- | --- | |  | +31 30 274 88 88 Members of the public seeking specific information on poisons should contact: In England and Wales: NHS 111 - dial 111, in Scotland: NHS 24 - dial 111 Ireland +353 (0)1 8092566 or +353 (0)1 8379964 National Poisons Information Centre | |

|  |
| --- |
|  |

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

|  |
| --- |
|  |

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

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

|  |  |
| --- | --- |
|  | None |

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

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

|  |  |
| --- | --- |
|  | **Supplemental hazard information** |

|  |  |
| --- | --- |
|  | EUH210 - Safety data sheet available on request. |
|  | P102 - Keep out of reach of children. |

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

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

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

|  |  |
| --- | --- |
|  | Frequently or prolonged contact with skin may cause dermal irritation. |

|  |  |
| --- | --- |
|  | **Adverse environmental effects** |

|  |  |
| --- | --- |
|  | This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria. |
|  | The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. |

|  |  |
| --- | --- |
| **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** |

|  |  |
| --- | --- |
|  | None |

|  |
| --- |
|  |

|  |
| --- |
| **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**   |  |  | | --- | --- | |  | 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. | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Following 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. |

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

|  |  |
| --- | --- |
|  | None |

|  |
| --- |
|  |

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

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| --- |
|  |

|  |  |
| --- | --- |
| **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. |

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

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| --- |
|  |

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

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | **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. |

|  |  |
| --- | --- |
| **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. |

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

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|  |  |
| --- | --- |
|  | \\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) |

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

|  |  |
| --- | --- |
|  | None |

|  |
| --- |
|  |

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

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| --- |
|  |

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

|  |  |
| --- | --- |
|  | None |

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

|  |  |
| --- | --- |
|  | **Appropriate engineering controls** |

|  |  |
| --- | --- |
|  | Use only in well-ventilated areas. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. |

|  |  |
| --- | --- |
|  | **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** |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  | | --- | --- | | **Appearance :** | No information available. | | **Colour :** | light yellow | | **Odour :** | characteristic | |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Initial boiling point and boiling range :** | ( 1013 hPa ) | > | 100 | °C |  | | **Decomposition temperature :** |  | > | 200 | °C |  | | **Density :** | ( 20 °C ) | approx. | 1 | g/cm3 |  | | **Water solubility :** | ( 20 °C ) |  | 100 | Weight-% |  | | **pH :** |  | > | 11,3 |  |  | | **Viscosity :** | ( 20 °C ) |  |  | mPa\*s |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  | | --- | --- | | **Physical state :** | Liquid | | **Melting point/freezing point :** | No data available | | **Freezing point :** | No data available | | **Flash point :** | not applicable | | **Auto-ignition temperature :** | not applicable | | **Lower explosion limit :** | not applicable | | **Upper explosion limit :** | not applicable | | **Vapour pressure :** | not applicable | | **Water solubility :** | not applicable | | **Flow time :** | not applicable | | **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 hazard classes as defined in Regulation (EC) No 1272/2008** |

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

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

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

|  |  |
| --- | --- |
|  | **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. |

|  |  |
| --- | --- |
| **11.2** | **Information on other hazards** |

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

|  |
| --- |
|  |

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

|  |
| --- |
|  |

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

|  |  |
| --- | --- |
|  | Harmless to aquatic organisms up to the tested concentration. |

|  |  |
| --- | --- |
| **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** | **Endocrine disrupting properties** |

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

|  |  |
| --- | --- |
| **12.7** | **Other adverse effects** |

|  |  |
| --- | --- |
|  | None |

|  |
| --- |
|  |

|  |
| --- |
| **SECTION 13: Disposal considerations** |

|  |
| --- |
|  |

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

|  |  |
| --- | --- |
|  | 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 or ID number** |

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

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

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

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

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

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

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

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

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

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

|  |  |
| --- | --- |
|  | None |

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

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

|  |
| --- |
|  |

|  |
| --- |
| **SECTION 15: Regulatory information** |

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| --- |
|  |

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

|  |  |
| --- | --- |
| **15.2** | **Chemical Safety Assessment** |

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

|  |
| --- |
|  |

|  |
| --- |
| **SECTION 16: Other information** |

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

|  |  |
| --- | --- |
|  | None |

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

|  |  |
| --- | --- |
|  | ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road ASTM = American Society of Testing and Materials (US) CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society) DNEL = Derived No-Effect Level DT50 = Time for 50% loss; half-life EbC50 = Median effective concentration (biomass, e.g. of algae) EC50 = Median effective concentration EINECS = European Inventory of Existing Commercial Chemical Substance ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide) ErC50 = Median effective concentration (growth rate, e.g. of algae) EWC = European Waste Catalogue IATA = International Air Transport Association IC50 = Concentration that produces 50% inhibition IMDG = International Maritime Dangerous Goods Code IMO = International Maritime Organization LC50 = Concentration required to kill 50% of test organisms LD50 = Dose required to kill 50% of test organisms LEL = Lower Explosive Limit/Lower Explosion Limit LOAEL = Lowest observed adverse effect level MRL = Maximum Residue Limit NOAEL = No Observed Adverse Effect Level NOEC = No observed effect concentration NOEL = No Observable Effect Level OEL = Occupational Exposure Limits PBT = Persistent, Bioaccumulative or Toxic PNEC = Predicted Non Effect Concentration STEL = Short-Term Exposure Limit TWA = Time-Weighted Average vPvB = 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]** |

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

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

|  |  |
| --- | --- |
|  | None |

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

|  |  |
| --- | --- |
|  | None |

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

|  |  |
| --- | --- |
|  | None |

|  |
| --- |
| 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. |