

# MATERIAL SAFETY DATA SHEET |

According to 1907/2006/EC, article 31

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY/UNDERTAKING

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| <b>Trade name:</b>                               | Swash® Hair Lotion, fragrance free  |
| <b>Product Versions</b>                          | 100 ml plastic bottle with disk-top cap   |
| <b>Application of the preparation:</b>           | Liquid hair lotion for a rinse free hair wash   |
| <b>Details of the supplier of the data sheet</b> | <u>Manufacturer/supplier:</u><br>Arion Manufacturing B.V.<br>Rutherford 11<br>6422 RE Heerlen<br>The Netherlands<br>Tel: +31 45 209 4000<br>Fax: +31 45 209 4001<br>E-mail: manufacturing@arion-group.com |
| <b>Further information obtainable from:</b>      | Department R&D  |
| <b>Emergency telephone number:</b>               | Please contact your local hospital  |

## 2. HAZARDS IDENTIFICATION

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| <b>Emergency overview:</b>                                   | For external use only. Do not use on damaged skin or open wounds. The product does not present any significant physical or health hazards as sold. |
| <b>Physical state:</b>                                       | Plastic bottle filled with clear, colorless lotion.  |
| <b>Odor:</b>   | Characteristic. Not fragranced.  |
| <b>Potential health effects:</b>                             |  |
| <b>Routes of exposure:</b>                                   | Eyes.  |
| <b>Eye contact:</b>  | May cause slight irritation.   |
| <b>Skin contact:</b>   | May cause slight irritation.   |
| <b>Ingestion:</b>  | Will cause irritation. Do not swallow.   |
| <b>Inhalation:</b>   | Not applicable.  |
| <b>Medical Conditions Aggravated by Exposure to Product:</b> | Pre-existing skin, or eye disorders.   |

## 3. COMPOSITION/INFORMATION ON INGREDIENT

| Chemical name              | CAS number | % by weight |
|----------------------------|------------|-------------|
| Aqua                       | 7732-18-5  | 75 – 100    |
| Propylene glycol           | 57-55-6    | 1 – 5       |
| Sodium Lauroyl Sarcosinate | 137-16-6   | 0.1 – 1     |
| Caprylyl glycol            | 1117-86-8  | 0.1 – 1     |
| Cocamidopropyl betaine     | 61789-40-0 | 0.1 – 1     |
| Glyceryl Caprylate         | 26402-26-6 | 0.1 – 1     |
| Potassium Sorbate          | 24634-61-5 | 0.1 – 1     |
| Dipropylene Glycol         | 25265-71-8 | 0.1 – 1     |
| Tocopherol (vitamin E)     | 1406-66-2  | < 0,1       |

|                 |           |       |
|-----------------|-----------|-------|
| Sodium Chloride | 7647-14-5 | < 0.1 |
|-----------------|-----------|-------|

#### 4. FIREFIGHTING MEASURES

##### Extinguishing media

|                      |   |
|----------------------|---|
| <b>Eye contact:</b>  | Irrigate eyes with plenty of water for at least 15 minutes, lifting the lower and upper eyelids. Remove any contact lenses to ensure thorough flushing. DO NOT allow victim to rub or keep eyes closed. Get medical attention immediately if irritation persists. |
| <b>Skin contact:</b> | Intended for skin contact. Remove contaminated clothing to avoid prolonged contact. Wash affected areas with water. Seek medical attention if irritation develops.  |
| <b>Ingestion:</b>    | If swallowed contact the physician or call local Poison Control Centre.   |
| <b>Inhalation:</b>   | Not applicable.   |

#### 5. FIREFIGHTING MEASURES

##### Extinguishing media

|  |  |
|--|--|
| <b>Suitable extinguishing agents:</b>                | Use fire extinguishing methods suitable to surrounding conditions. |
| <b>Special hazards arising from the preparation:</b> | Not expected for water-based formulation.                          |
| <b>Advise for fire-fighters</b>                      |  |
| <b>Protective equipment:</b>                         | No special measures required.                                      |

#### 6. ACCIDENTAL RELEASE MEASURES

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|--|--|
| <b>Steps to be taken if material is released or spilled:</b> | No specific stems required. Review current local, state and federal laws, codes, statutes, and regulations to determine appropriate agencies to be notified, and the conditions under which they are to be notified. |
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#### 7. HANDLING AND STORAGE

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|------------------|--|
| <b>Handling:</b> | Do not ingest, avoid eye contact. Wash thoroughly after handling. Empty packages may still have product residue. |
| <b>Storage:</b>  | Keep package closed when not in use. Store in cool, well-ventilated area. Keep away from children.               |

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No special protection or precautions have been identified for using this product under directed consumer use conditions.

##### Personal protection equipment:

|                                |   |
|--------------------------------|---|
| <b>Eye/face protection:</b>    | None required with normal consumer use.                   |
| <b>Skin protection:</b>        | None required with normal consumer use.                   |
| <b>Respiratory protection:</b> | None required with normal consumer use.                   |
| <b>Ventilation:</b>            | Use in a well-ventilated area during normal consumer use. |
| <b>Other control measures:</b> | None  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

### General information:

|   |   |
|---|---|
| Physical state:                           | Plastic bottle filled with clear, colorless lotion. |
| Odor:                                     | Characteristic. Not fragranced.                     |
| Odor threshold:                           | Not determined.                                     |
| pH-value:                                 | 5.0 – 6.0.  |
| Change in condition                       |   |
| - Melting point/melting range:            | Not determined.                                     |
| - Boiling point/boiling range:            | 100 °C.   |
| Flash point:                              | Not applicable.                                     |
| Flammability (solid, gaseous):            | Not applicable.                                     |
| Ignition temperature                      |   |
| - Decomposition temperature:              | Not applicable.                                     |
| Self-igniting:                            | Product is not self-igniting.                       |
| Danger of explosion:                      | Product does not present an explosion hazard        |
| Explosion limits                          |   |
| - Lower:                                  | Not applicable.                                     |
| - Upper:                                  | Not applicable.                                     |
| Vapour pressure at 20 °C:                 | 23 hPa.   |
| Density at 20 °C (lotion):                | Ca. 1.01 g/cm <sup>3</sup> (DIN 51757).             |
| Relative density:                         | Not determined.                                     |
| Vapour density:                           | Not determined.                                     |
| Evaporation rate:                         | Not determined.                                     |
| Solubility in water:                      | 100% soluble.                                       |
| Segregation coefficient (n-octanol/water) | Not determined.                                     |
| Viscosity:                                |   |
| - Dynamic:                                | Not relevant. Similar to water.                     |
| - Kinematic:                              | Not relevant. Similar to water.                     |
| Other information:                        | No further relevant information available           |

## 10. STABILITY AND REACTIVITY

|                           |  |
|---------------------------|--|
| Chemical stability:       | Stable under normal conditions of use and storage.         |
| Conditions to avoid:      | None.  |
| Incompatibility:          | No further relevant information available.                 |
| Decomposition products:   | Will not occur under normal conditions of use and storage. |
| Hazardous polymerization: | Will not occur.  |

## 11. TOXICOLOGICAL INFORMATION

|                         |   |
|-------------------------|---|
| On product:             | There is no product based toxicological information for this product. Toxicology information is provided based on individual ingredients. |
| Acute toxicity:         | Product does not contain any ingredients that give rise to acute toxicity.  |
| Primary irritant effect |   |
| - On the skin:          | No primary irritant effect known.   |
| - On the eye:           | No primary irritant effect known.   |
| - Sensitization:        | No sensitizing effects known.   |

## 12. ECOLOGICAL INFORMATION

|  |   |
|--|---|
| <b>Toxicity</b><br>- Aquatic toxicity:<br>- Persistence and degradability:<br>- Other information: | Lotion does not contain any aquatic toxic ingredients.<br>Lotion is not expected to be persistent.<br>No data available.                                |
| <b>Behaviour in environmental systems:</b><br>- Bio accumulative potential:<br>- Mobility in soil: | Not expected to be bio-accumulative.<br>Not determined.   |
| <b>Ecotoxicological effects:</b>   | Possibly harmful to fish.   |
| <b>Additional ecological information</b><br>- General note:  | Do not allow undiluted lotion or large quantities of it to reach ground water, water course or sewage system.<br>Possibly harmful to aquatic organisms. |
| <b>Results of PBT and vPvB assessment</b><br>- PBT:<br>- vPvB:                                     | Not applicable.<br>Not applicable.  |
| <b>Other adverse effects:</b>  | No further relevant information available.  |

## 13. DISPOSAL CONSIDERATIONS

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|----------------------------|--|
| <b>Disposal method:</b>    | Not classified as a hazardous waste.<br>State or local laws may impose additional regulatory requirements regarding disposal. Dispose of in general waste if no other laws apply.<br>Treatment, transport storage and disposal of excess quantities must be dealt with by a licensed facility or waste hauler. |
| <b>Container disposal:</b> | Dispose of empty packaging in the trash.   |

## 14. TRANSPORT INFORMATION

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|--|-----------------|
| <b>UN-Number</b><br>ADR, AND, IMDG, IATA:                        | Not applicable. |
| <b>UN proper shipping name</b><br>ADR, AND, IMDG, IATA:          | Not applicable. |
| <b>Transport hazard class(es)</b><br>ADR, AND, IMDG, IATA class: | Not applicable. |
| <b>Packaging group</b><br>ADR, IMDG, IATA:                       | Not applicable. |
| <b>Environmental hazards</b><br>Special precautions for user:    | Not applicable. |

## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
No further specific safety, health and environmental regulations/legislations apply.

|                                    |   |
|------------------------------------|---|
| <b>Chemical Safety Assessment:</b> | A Chemical Safety Assessment was performed. |
|------------------------------------|---|

## 16. OTHER INFORMATION

**User responsibility/ disclaimer of liability:**

This information is based on our present knowledge. However, this shall not constitute a guarantee for the specific product features and shall not establish a legally valid contractual relationship. It should be used as a guideline only.

**Relevant phrases:**

No relevant Hazard or Precautionary statements.

**Department issuing MSDS:**

Department R&D.

**Abbreviations and acronyms:**

|      |   |
|------|---|
| ADR  | European Agreement concerning the International Carriage of Dangerous goods by Road |
| IMDG | International Maritime Code for Dangerous Goods                                     |
| IATA | International Air Transport Association   |
| CAS  | Chemical Abstracts Service (division of the American Chemical Society)              |

**Environmental hazards.**

**Special precautions for user:**

Not applicable.