

MATERIAL SAFETY DATA SHEET |

According to 1907/2006/EC, article 31

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY/UNDERTAKING

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

2. HAZARDS IDENTIFICATION

Emergency overview:	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.
Physical state:	Plastic bottle filled with clear, colorless lotion.
Odor:	Characteristic. Not fragranced.
Potential health effects:	
Routes of exposure:	Eyes.
Eye contact:	May cause slight irritation.
Skin contact:	May cause slight irritation.
Ingestion:	Will cause irritation. Do not swallow.
Inhalation:	Not applicable.
Medical Conditions Aggravated by Exposure to Product:	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
Sodium Chloride	7647-14-5	< 0.1

4. FIREFIGHTING MEASURES

Extinguishing media

Eye contact:	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.
Skin contact:	Intended for skin contact. Remove contaminated clothing to avoid prolonged contact. Wash affected areas with water. Seek medical attention if irritation develops.
Ingestion:	If swallowed contact the physician or call local Poison Control Centre.
Inhalation:	Not applicable.

5. FIREFIGHTING MEASURES

Extinguishing media

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

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled:	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

Handling:	Do not ingest, avoid eye contact. Wash thoroughly after handling. Empty packages may still have product residue.
Storage:	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:

Eye/face protection:	None required with normal consumer use.
Skin protection:	None required with normal consumer use.
Respiratory protection:	None required with normal consumer use.
Ventilation:	Use in a well-ventilated area during normal consumer use.
Other control measures:	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 ³ (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

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

UN-Number ADR, AND, IMDG, IATA:	Not applicable.
UN proper shipping name ADR, AND, IMDG, IATA:	Not applicable.
Transport hazard class(es) ADR, AND, IMDG, IATA class:	Not applicable.
Packaging group ADR, IMDG, IATA:	Not applicable.
Environmental hazards 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.

Chemical Safety Assessment:	A Chemical Safety Assessment was performed.
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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.