


MATERIAL SAFETY DATA

SHEET | According to 1907/2006/EC, article 31

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY/UNDERTAKING

Trade name:	Swash antiseptic Cap with Eye- and Ear protector
Product versions	Packaging containing one cap and one Eye and Ear protector.
Application of the preparation:	Impregnated Shower cap for an antiseptic hairwash. Use only in combination with the supplied Eye and Ear protector.
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 (0)45 209 4000 Email: manufacturing@arion-group.com
Further information obtainable from:	Department R&D
Emergency telephone number:	Please contact the national poisons information service or your local hospital (local number)

2. HAZARDS IDENTIFICATION

Emergency overview:	For external use only. Do not use on damaged skin or open wounds. Do not use on face or directly on the genitalia. Avoid contact with eyes, ears or other mucus membranes. Do not swallow.
Physical state:	Laminated nonwoven shower cap impregnated with clear, colorless lotion.
Odor:	Not fragranced.
Potential health effects	
Classification (EC Nr 1272/2008):	Hazardous to the aquatic environment, chronic hazard. Category 3 (H412) Serious eye irritation/reversible eye effects, category 2A (H319)
Label Elements	
Signal word	Warning
Hazard statements	H319 Causes serious eye irritation H412 Harmful to aquatic life with long lasting effects.
Routes of exposure:	Eyes, ingestion.
Eye contact:	Will cause irritation. Do not use in or around the eyes. Only use cap in combination with the supplied Eye and Ear protector to prevent eye contact. IF IN EYES: Rinse with water for 15 minutes. If possible, remove lenses. Seek prompt medical attention for signs of irritation.
Skin contact:	May cause irritation.
Ingestion:	Will cause irritation. Do not swallow.
Other:	May cause ear damage. Do not use in or around the ears..

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
Chlorhexidine digluconate *	18472-51-0	2
Propylene glycol	57-55-6	1 – 5
Glycerin	56-81-5	1 – 5
Polysorbate 20	9005-64-5	0.1 – 1
Tocopherol (Vitamin E)	10191-41-0	0.1 – 1
Sorbic Acid	110-44-1	< 0.1
Potassium Sorbate	24634-61-5	< 0.1
Benzalkonium Chloride	68424-85-1	< 0.1

*EU Name: D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2.4.11.13-tetraazatetradecanediamidine (2:1)

CHEMICAL NAME	CAS NUMBER	% BY WEIGHT
Polyethylene Terephthalate polymer	25038-59-9	Non-woven
Cellulose	9004-34-6	Non-woven

For the full text of all R-phrases and Hazard statements: see section 16

4. FIRST AID MEASURES

Description of first aid measures

General advice:	Contact a medical professional and show this MSDS
Eye contact:	Irrigate eyes with plenty of water for at least 15 minutes, lifting the lower and upper eyelids. If possible, 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. For industrial use of the liquid, remove contaminated clothing to avoid prolonged contact. If skin irritation occurs, wash affected areas with water. Seek medical attention if irritation develops. Launder contaminated clothing before re-use.
Ingestion:	For industrial use of the liquid, if swallowed, rinse mouth thoroughly with plenty of water and give water to drink. Contact a physician or call local Poison Control Centre if significant amounts are ingested or for any symptoms occurring after ingestion. Do not induce vomiting, unless instructed by medical personnel.
Ear contact:	Rinse ears with plenty of water. Seek medical attention if irritation develops.
Inhalation:	For industrial use of the liquid, if adverse effects (eg irritation of the airways, drowsiness or dizziness) occur, remove patient from exposure and give fresh air and rest. Obtain prompt medical attention.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:

Water spray, carbon dioxide, dry chemical and foam are compatible with the product. Remove containers from fire or cool them with water.

Special hazards arising from the preparation:

When heated sufficiently, product may decompose to form smoke and toxic fumes, gases or vapours, including oxides of carbon and nitrogen, and chlorine-containing compounds.

Advise for fire-fighters

Protective equipment:

Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

For industrial spills of the liquid, ensure full personal protection is worn. Keep unauthorized personnel from the spillage area.

Environmental precautions

For industrial use, prevent leakage of product into watercourses or drainage system by diking with sand or other absorbent material. Contact authorities, water company, and wastewater treatment plant as appropriate if significant contamination occurs.

Steps to be taken if material is released or spilled:

Prevent further release or spillage and ventilate the area. Clean up spill as soon as possible. Do not dispose of the lotion into the sewerage. Prevent run off into the environment. If small amounts of liquid are spilled, mop up with dry cloth and contain it in an ordinary container, wash the remaining residue on the floor with water and mop dry to remove the slippery substance. Dispose of properly.

7. HANDLING AND STORAGE

Handling:

Do not ingest, avoid eye contact.
Empty packages may still have product residue.
For industrial use of the liquid, avoid contact with skin and eyes.
Remove sources of ignition. Wear protective clothing as in section 8.
Good ventilation is recommended.

Storage:

Keep package closed when not in use. Store in cool, dry, well-ventilated area away from direct sunlight. Do not allow to freeze.
Avoid excessive heat above 35 °C. Keep away from children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The product should only be used in combination with the supplied Eye and Ear protector to prevent eye and/or ear irritation

Personal protection equipment

Eye/face protection:

Use the product only in combination with the supplied Eye and Ear protector. Place the Eye and Ear protector the head above the ears and eyebrows so the red side points down towards the chin.

For industrial use of the liquid: prevent eye/face contact by wearing safety goggles.

Skin protection:

Use nitrile exam gloves when bathing a patient. For industrial use of the liquid, prevent skin contact by wearing chemical resistant gloves and sleeves.

Respiratory protection:

None required with normal consumer use.

Ventilation:	Use in a well-ventilated area. For industrial use of the liquid, good general ventilation is recommended. Were exposure limits may be exceeded, local exhaust ventilation may be necessary.
Other control measures:	Prevent discharge of the product in the environment

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General information

Physical state:	Laminated nonwoven shower cap impregnated 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:	Ca. 0°C.
▪ Boiling point/boiling range:	Ca. 100 °C.
Flash point:	Not expected for water-based product
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. 1.02 g/cm ³ (DIN 51757).
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in water:	Liquid is water soluble, but will precipitate in the presence of most alkalis.
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 when stored away from light at temperatures between 10 and 25°C
Conditions to avoid:	Direct sunlight and heat above 25 or below 10°C.
Incompatibility:	Alkalis and strong oxidizing agents.
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.
Toxicological effects <ul style="list-style-type: none">▪ Acute toxicity▪ Irritancy▪ Sensitization	Not classified as harmful by ingestion, skin contact or inhalation. May cause eye irritation. Repeated or prolonged exposure may cause skin irritation. No ingredient has been identified as having sensitizing properties.

12. ECOLOGICAL INFORMATION

Toxicity <ul style="list-style-type: none">▪ Aquatic toxicity:▪ Persistence and degradability:▪ Other information:	Contains a substance (Chlorhexidine Digluconate) which is toxic to aquatic life. At the levels present in this mixture, CHG is not considered to be highly toxic but can be harmful. Dispose of properly. Product is expected to be persistent. Non-woven is not biodegradable. Should be disposed of properly. Do not flush, do not macerate No data available.
Behaviour in environmental systems <ul style="list-style-type: none">▪ Bio accumulative potential:▪ Mobility in soil:	Possibly bio-accumulative. Not determined.
Ecotoxicological effects:	Harmful to fish with long lasting effects.
Additional ecological information <ul style="list-style-type: none">▪ General note:	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Harmful to aquatic organisms. Can damage the water system with long term consequences.
Results of PBT and vPvB assessment <ul style="list-style-type: none">▪ PBT:▪ vPvB:	Not applicable. Not applicable.
Other adverse effects:	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Disposal method:	As in-use product, not classified as a hazardous waste. For large-scale industrial use, the liquid should be disposed of by incineration. Do not dispose of via drains or by landfill. Disposal must be in accordance with national and local regulations. The cap and the Eye- and Ear protector are NOT flushable or maceratable and should be disposed of in general waste.
Container disposal:	Dispose of empty package in the trash.

14. TRANSPORT INFORMATION

UN-Number: (ADR/ RID, IMDG, IATA)	Final product not classified as hazardous.
UN proper shipping name: (ADR/RID, IMDG, IATA)	Final product not classified as hazardous
Transport hazard class(es): (ADR/RID, IMDG, IATA)	Not classified as hazardous
Packaging group: (ADR/RID, IMDG, IATA)	Not classified as hazardous
Environmental hazards: Special precautions for user:	Possibly environmentally hazardous. DO NOT FLUSH DOWN THE TOILET

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 with amendments. Regulations No 1272/2008 of the European parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures applies.

Chemical Safety Assessment: 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:

- H319
- H412

Causes serious eye irritation
Harmful to aquatic life with long lasting effects

Classification rules applied for this product

Hazard H-sentences		Reference CLP regulation (Annex I)
Consolidated (substances)	Finished product (mixture)*	
H226 Flammable Liquid 3	--	§2.6.4.2
H302 Acute Tox 4	--	§1.1.22 and table 1.1
H314 Skin Corrosion 1B	--	§3.3.3.1
H315 Skin Irritation 2	--	
H317 Skin Sensitization 1B	--	
H318 Eye damage 1	--	Table 3.3.3
H319 Eye Irritation 2	H319 Eye Irritation 2	
H335 STOT Single exp 3	--	§3.8.3.4.5
H350 Carcinogenic	--	§3.6.3.1.1
H400 Aquatic Acute 1	--	§4.1.3.5.5.3.2 and table 4.1.1
H410 Aquatic Chronic 1	H412 Aquatic Chronic 3	§4.1.3.5.5.4.5 and table 4.1.2

* -- = not meeting criteria for labelling of finished product

Department issuing MSDS: Department R&D.

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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)