

Trade name / Substance name: Argen Lab Hand Sanitizer Foam

SAFETY DATA SHEET

(*) concerns only chemical notification

(**) either 3.1 or 3.2 must be filled

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****Trade name / Substance name**

Argen Lab Hand Sanitizer Foam

Company product code

AL15

REACH Registration number

Not applicable, because the product is a mixture.

1.2 Relevant identified uses of the substance or mixture and uses advised against**The uses of the chemical**

Hand disinfection.

Classification of economic activities (NACE) (*)**Use categories (UC62) (*)****The chemical can be used by the general public (*)****The chemical is used by the general public only (*)****1.3 Details of the supplier of the Safety Data Sheet****Supplier**

Argen Lab Oy

Street address

Pallotie 2

Postcode and post office

FI-33470 Ylöjärvi, Finland

Post-office box**Postcode and post office****Telephone number**

+358 3 255 4441

Telefax

+358 9 4159 2320

E-mail address

info@argenlabglobal.com

Finnish Business ID (Y code) (*)

FI25368581

1.4 Emergency telephone number

Denmark	National emergency number: 82 12 12 12 (Gifflinjen, Bispebjerg Hospital).
Taiwan	National emergency number: 119

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Not classified as hazardous according to 1999/45/EC.

2.2 Label elements

Active ingredient: Silver Chloride (<0.1%)

According to 1999/45/EC

None.

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2.3 Other hazards

None.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances (**)****3.2 Mixtures (**)**

Substance name	CAS- or EC-number	REACH Registration No.	Concentration	Classification
Silver(I) chloride	7783-90-6	Biocide, not applicable	<0.1%	N;R50/53

SECTION 4: FIRST AID MEASURES**Inhalation**

Remove to fresh air if symptoms are experienced.

Eyes

Immediately flush eye(s) with plenty of water for several minutes. Remove contact lenses, if present and easy to do and continue flushing for several minutes. Seek medical attention if irritation persists.

Skin

Flush with water if irritation occurs.

Ingestion

Flush mouth with water. Seek medical attention if large quantities have been ingested.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Powder, foam, carbon dioxide and water.

5.2 Special hazards arising from the substance or mixture

Not known.

5.3 Advice for firefighters

Product is aqueous and is not flammable.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Reclamation and collection of spillage is started immediately if large quantities of liquid is spilled into environment or soil.

6.2 Environmental precautions

Prevent entry into drains and sewers, waters, and soil in large quantities.

6.3 Methods and material for containment and cleaning up

In case of small spillage, can be flushed into drain with plenty of water. In case of bigger spillage, collect with adequate containers and/or absorb into porous material. Inform local authorities if bigger spillages cannot be prevented.

6.4 Reference to other sections

None.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

Storage in well-ventilated areas at room temperature. Avoid storing at elevated temperatures (> 40 °C). Protect from sunlight. Protect from freezing. See Section 10.1 for incompatible materials.

7.3 Specific end use(s)

None.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

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Exposure limit valuesSilver(I) chloride (powder) 8 h = 0,1 mg/m³**Other limit values**

Not available.

DNEL

Not available.

PNEC

Not available.

8.2 Exposure controls**Appropriate engineering controls**

Handle in accordance with good hygiene and safety practices.

Eye / face protection

Not necessary.

Skin protection

Not necessary.

Hand protection

Not necessary.

Respiratory protection

Not necessary.

Thermal hazards

None.

Environmental exposure controls

Prevent entry into drains and sewers, waters, and soil in large quantities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on physical and chemical properties**

Appearance	Colourless liquid.
Odour	Neutral.
Odour threshold	Not available.
pH	8,5 ± 1.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 100 °C.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Miscible in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

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Explosive properties	Not available.
Oxidising properties	Not available.

9.2 Other information
None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Acids, bases, and impurities may cause inactivation of active ingredient. It is not allowed to add anything into the product.

10.2 Chemical stability

Stable under normal conditions of use and storage. Product package should not be replaced if not otherwise instructed.

10.3 Possibility of hazardous reactions

Inactivation of active ingredient if instructions are not followed.

10.4 Conditions to avoid

Protect from sunlight and do not expose to temperatures exceeding 40 °C. Protect from freezing.

10.5 Incompatible materials

Not available.

10.3 Hazardous decomposition products

Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Silver(I) chloride (powder) LD50 > 5110 mg/kg (oral, rat)

Skin corrosion/irritation

Product is not corrosive to skin. Skin irritation has not been reported.

Serious eye damage/irritation

Irritation reactions have not been reported.

Respiratory or skin sensitisation

Skin sensitisation has not been reported.

Germ cell mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

STOT-single exposure

Not available.

STOT-repeated exposure

Not available.

Aspiration hazard

Not available.

Other information

Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

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Silver(I) chloride (powder) LC50/96h/fish (Pimephales promelas) = 1,93 mg/l

12.2 Persistence and degradability	Silver(I) chloride (powder) Not available.
12.3 Bioaccumulative potential	Silver(I) chloride (powder) Not available.
12.4 Mobility in soil	Product is readily water miscible and may move with surface and table water.
12.5 Results of PBT and vPvB assessment	Not known.
12.6 Other adverse effects	Product has a broad spectrum against microorganisms such as bacteria, fungi, and mold.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Rinse empty package with water and recycle in accordance with federal, state, and local regulations.
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SECTION 14: TRANSPORT INFORMATION

	Land transport	Sea transport	Air transport
14.1 UN number	Non-hazardous	Non-hazardous	Non-hazardous
14.2 UN proper shipping name	Disinfectant	Disinfectant	Disinfectant
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	Marine pollutant: No	-

14.6 Special precautions for user	Not known.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not known.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Use biocides safely. Always read the label and product information before use.
15.2 Chemical safety assessment	Not available for this mixture.

SECTION 16: OTHER INFORMATION**Indication of changes**

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Abbreviations and acronyms

None.

Key literature references and sources for data

Publicly available toxicity information. Safety data sheets of the raw materials of the mixture.

Used method in evaluating classification

Classified and labelled according to directive 1999/45/EC.

List of relevant R-and S-phrases or/and safety and precautionary statements

None.

Training advice for workers

Information not available.