

Trade name / Substance name: Argen Lab Shoe Deodorant

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 Shoe Deodorant

Company product code

AL11

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**

For shoe care purposes and to remove odor-causing bacteria and fungi.

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
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 (Giftlinjen, Bispebjerg Hospital).
Taiwan	National emergency number: 119

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

F; R11

2.2 Label elements**According to 1999/45/EC**

F Flammable

R phrases

R11 Highly flammable

S phrases

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S2	Keep out of the reach of children
S7	Keep container tightly closed
S13	Keep away from food, drink and animal foodstuffs
S16	Keep away from sources of ignition - No smoking
S23	Do not breathe spray
S51	Use only in well-ventilated areas

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
Ethanol	64-17-5	01-2119457610-43	60-80 %	F;R11
Silver(I) chloride	7783-90-6	Biocide, not applicable	<0,1%	N;R50/53

SECTION 4: FIRST AID MEASURES**Inhalation**

Remove to fresh air and keep patient at rest.

Eyes

Flush with water while holding eyelids open for at least 15 minutes. If symptoms persist, get medical attention.

Skin

If irritation is experienced, flush with water. If irritation persists, get medical attention. If skin irritation persists, seek medical attention.

Ingestion

Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

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

Water spray, carbon dioxide, dry chemical or foam.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

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

Remove all potential ignition sources. Use individual protective equipment (see chapter 8).

6.2 Environmental precautions

Prevent entry into drains and sewers, basements or confined areas in large quantities.

6.3 Methods and material for containment and cleaning up**Small spills:** Wash into sewers with large amount of water.**Large spills:** Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.**6.4 Reference to other sections**

Use individual protective equipment (see chapter 8).

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

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Avoid heat, flames, sparks and other sources of ignition – no smoking. Prevent contact with eyes.
Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from children. Store in a well-ventilated and dry place at normal room temperature.

7.3 Specific end use(s)

None.

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

Ethanol	8 h = 1000 ppm; 1900 mg/m ³ 15 min = 1300 ppm; 2500 mg/m ³
Silver(I) chloride	8 h = 0,1 mg/m ³

Other limit values

Not available.

DNEL

Not available.

PNEC

Not available.

8.2 Exposure controls**Appropriate engineering controls**

Normal room ventilation is usually adequate under normal use. Avoid breathing product vapour.
Apply local ventilation where possible.

Eye / face protection

None needed under normal use. Wear safety glasses or goggles if eye contact is possible.

Skin protection

None needed under normal use. Wear protective clothing when working with large quantities.

Hand protection

None needed under normal use. Wear impervious gloves when working with large quantities.

Respiratory protection

None needed under normal use.

Thermal hazards

This product is highly flammable.

Environmental exposure controls

Prevent entry into drains and sewers, basements or confined areas in large quantities.

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

Appearance	Colourless liquid
Odour	Alcohol
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.

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Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Not available.

10.2 Chemical stability

Stable under normal conditions of use.

10.3 Possibility of hazardous reactions

Not available.

10.4 Conditions to avoid

Keep away from heat, spark, flames and all other sources of ignition.

10.5 Incompatible materials

This product reacts with strong acids, strong bases, and oxidizing agents.

10.3 Hazardous decomposition products

Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

Ethanol LD50 = 10 470 mg/kg (skin, rat)

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

Skin corrosion/irritation

Not available.

Serious eye damage/irritation

Not available.

Respiratory or skin sensitisation

Not available.

Germ cell mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

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STOT-single exposure

Not available.

STOT-repeated exposure

Not available.

Aspiration hazard

Not available.

Other information

None.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Ethanol	LC50/96h/fish = 11 200 mg/l EC50/48h/invertebrates, fresh water = 5 012 mg/l EC50/48h/invertebrates, sea water = 857 mg/l
Silver(I) chloride	LC50/96h/fish (Pimephales promelas) = 1,93 mg/l

12.2 Persistence and degradability

Ethanol	Readily biodegradable.
Silver(I) chloride	Not available.

12.3 Bioaccumulative potential

Ethanol	log Pow = 0,32; no bioaccumulation.
Silver(I) chloride	Not available.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Wash empty containers with water. Dispose of in accordance with federal, state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

	Land transport	Sea transport	Air transport
14.1 UN number	UN1170	UN1170	UN1170
14.2 UN proper shipping name	Ethanol	Ethanol	Ethanol
14.3 Transport hazard class(es)	3	IMO Glass 3	3
14.4 Packing group	II	II	II
14.5 Environmental hazards	Not known.	Marine pollutant: No	Not known.

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**

Not available.

15.2 Chemical safety assessment

Not available for this mixture.

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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

Relevant R phrases

R11 Highly flammable

Relevant S phrases

S2 Keep out of the reach of children

S7 Keep container tightly closed

S13 Keep away from food, drink and animal foodstuffs

S16 Keep away from sources of ignition - No smoking

S23 Do not breathe spray

S51 Use only in well-ventilated areas

Training advice for workers

Information not available.