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Safety data sheet

1. Identification

- 1.1 Product Name:** **Argenture Liquid**
- The product is designed for cleaning objects made of silver alloy.
- 1.2 Recommended use:**
- 1.3 Supplied by:** **A-Gora Num Aneta Gora**
Hive. Mickiewicza 26/5
41-300 Dabrowa Gornicza
Tel: +48 508 088 702

2. Hazard identification

2.1 Classification of the substance or mixture

Causes skin irritation(Category 2) H315

Serious eye damage/eye irritation (Category 2), H319

Harmful to aquatic organisms, causes long-term adverse lesions(Category 3) H412

The full text of the hazard statements (H) quoted in this Section can be found in Section 16.

2.2 Label elements

Image containing Auto-generated description



Signal word: WARNING

Hazard statements: Irritating to the eyes, causing severe eye irritation, harmful to aquatic organisms, causing long-lasting adverse changes.

Precautionary statements:

Q101 If you consult your doctor, keep the container or label.

P102 Keep out of reach of children

P264 Wash thoroughly after use.

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P273 Avoid release into the environment.

P280 Wear eye protection/face protection.

P302+P352 IF IN CONTACT WITH SKIN: Wash thoroughly with water.

P305+P351+P338 IN CONTACT WITH EYES: Rinse cautiously with water for several minutes. Remove contact lenses if the victim wears them and if they can be easily removed. Continue rinsing.

P332+P313 If skin irritation occurs: Seek medical advice/attention. P337+P313 If eye irritation persists: seek medical advice.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other risks:

The mixture does not contain substances listed in accordance with Article 59(1) of REACH as having endocrine disrupting properties or is not considered to be an endocrine disruptor according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in a concentration equal to or greater than 0,1 %.

2. PBT and vPvB evaluation results:

3. PBT: Not applicable.

1. vPvB: Not applicable.

3. Composition/Ingredient Information

<u>Scientific name</u>	<u>No CAS:</u>	<u>Wt. %</u>
sodium sulphite	7757-83-7	≤2,5%
ammonia	1336-21-6	≤2,5%
silver nitrate	7761-88-8	≤2,5%

4. First aid measures



4.1 FIRST AID – INHALATION: If you lose consciousness, lie down and lie down in a stable lateral position.

4.2 FIRST AID – CONTACT WITH SKIN: If redness, itching or burning occurs, wash the product off the skin with soap and water. If discomfort or irritation persists, seek medical attention.

4.3 FIRST AID – EYE CONTACT: Remove contact lenses. Rinse irritated eye thoroughly with water for 15-20 minutes. If discomfort or irritation persists, seek medical attention.

4.4 FIRST AID – FOOD INTAKE: In case of accidental ingestion, drink 1-2 glasses of water and treat symptomatically. Do not induce vomiting. Never give anything orally to an unconscious person. If you experience gastrointestinal symptoms, seek medical help from your doctor.

5. Fire protection measures

5.1 SPECIAL FIRE PROTECTION PROCEDURES: Contact emergency personnel. Use closed-circuit breathing apparatus and full protective equipment when large quantities of product are used. Dangerous decomposition products may be released. Thermal decomposition in the presence of air can cause the formation of carbon monoxide, carbon dioxide and water vapor.

5.2 EXTINGUISHING AGENTS:

Suitable extinguishing agents: Carbon dioxide, extinguishing powders, alcohol-resistant foam, water spray currents.

Unsuitable extinguishing agents: Do not use water in a compact stream.

The product is not flammable.

6. Accidental release measures

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILLAGE OF MATERIAL: Collect spilled material with vermiculite or other absorption material. Collect and transport to a suitable waste container. Ventilate the room. Seal the damaged packaging.

7. Handling and storage of the substance

7.1 SUBSTANCE HANDLING: Ensure adequate ventilation/ventilation of the workstation. Avoid aerosol formation. Avoid contact with skin and eyes. Use only as directed.

7.2 STORAGE: no special requirements

8. Exposure control / personal protective equipment

8.1 Control Parameters.

Components with threshold values for on-site monitoring:

CAS: 471-34-1 calcium carbonate (10-25%)

OEL Long-term value: 10 mg/m³

8.2. Exposure control

8.2.1. Appropriate technical control measures

Use only with adequate ventilation.

8.2.2. Personal protective equipment such as personal protective equipment

It is necessary to properly choose protective clothing for the workplace with the preparation.

8.2.3. Environmental exposure control

Wear safety glasses (goggles) or face shield.

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Use protective gloves resistant to chemicals, made of nitrile rubber or other material recommended by the glove manufacturer for contact with the product.

Do not lead to the sewage system.

9. Physical and chemical properties

Appearance:	Liquid	Physical state:	Liquid
Odour:	Characteristic	Odour threshold:	No information
Specific gravity:	Lack of information	pH:	No information
Freezing point, °C:	Not available	Viscosity:	No information
Solubility in water:	No information available	Partition coefficient n-octanol/water:	No information
Decomposition temperature, °C	Not available	Explosion limit, %:	No information
Lower boiling point, °C:	Not available	Flash point, °C:	No information
Flammability:	No information available	Auto-ignition temperature, °C	No information
Evaporation speed:	No information	Saturated vapour pressure, mmHg:	No information
Vapor density:	No information available		

10. Stability and reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Ignition sources, high temperature.

INCOMPATIBILITY: No relevant information was found.

11. Toxicological information



EFFECTS OF OVEREXPOSURE – INHALATION: No information available

EFFECTS OF OVEREXPOSURE – SKIN CONTACT: No information available

EFFECTS OF OVEREXPOSURE – EYE CONTACT: Lack of information

EFFECTS OF OVEREXPOSURE – INGESTION: No information available

CARCINOGENICITY: Lack of information

MAIN ROUTE OF ENTRY: Skin contact

Acute toxicity values: The effects of this product have not been studied. The data of the individual ingredients are given below:

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<u>CAS Number:</u>	<u>Scientific name</u>	<u>Oral LD50</u>
7757-83-7	sodium sulphite	820 mg/kg mouse
7761-88-8	silver nitrate	50 mg/kg mouse

12. Ecological information

ECOLOGICAL INFORMATION: Product components are expected to be environmentally safe at concentrations foreseen in normal use and accidental leakage scenarios. Packaging elements are in line with traditional solid waste management practices. Additional information is available from the provider upon request.

13. Waste management

WASTE METHOD: Disposal must be carried out in accordance with applicable laws, regulations and the properties of the materials at the time of disposal.

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILLAGE OF MATERIAL: Collect spilled material with vermiculite or other absorption material. Collect and transport to a suitable waste container. Ventilate the room.

14. Transport information

SPECIAL PRECAUTIONS FOR TRANSPORT: Apply appropriate regulations/procedures for correct classification for transport.

The following classifications apply to the shipment of finished products in consumer packaging:

UN Code: N/A

Transport hazard class: -

Packaging group: -

The above classifications may not be applied to bulk and non-bulk quantities transported in packages other than consumer packages.

15. Legal Information

15.1. Safety, health and environmental legislation specific to the substance or mixture

- Regulation of the Minister of Health of 16 September 2016 on occupational health and safety related to the presence of chemical agents in the workplace (i.e. Journal of Laws of 2016, item 1488)
- Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the maximum allowable concentrations and intensities of factors harmful to health in the work environment, as amended.
- Commission Regulation (EU) No 260/2014 of 24 January 2014 amending, for the purposes of its adaptation to technical progress, Regulation (EC) No 440/2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Reference (L 81/1)

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- Act of 19 August 2011 on the carriage of dangerous goods, as amended.
- Act of 13 June 2013 on packaging and packaging waste management, as amended.
- Act of 14 December 2012 on waste, as amended.
- Regulation of the Minister of Health of 10 August 2012 on the criteria and method of classification of chemical substances and their mixtures (i.e. Journal of Laws of 2015, item 208).
- Regulation of the Minister of Health of 20 April 2012 on the labelling of packaging of hazardous substances and hazardous mixtures and certain mixtures (i.e. Journal of Laws of 2015, item 450).
- Act of 25 February 2011 on chemical substances and mixtures thereof (Journal of Laws of 2019, item 1225).
- Regulation of the Minister of Health of 2 February 2011 on the examination and measurement of factors harmful to health in the work environment, as amended.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directive 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.
- Law of 27 April 2001 Environmental law, as amended.

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this product.

16. Other information

Date of update: 1/06/2023

Date of change:

New safety data sheet for hazardous substances

Reason for the change: No information

Full text of the abbreviated H-phrases:

H319 - Irritating to eyes.

H315 - Causes skin irritation

H412 - Harmful to aquatic organisms, causes long-lasting adverse changes

The information on this tab corresponds to our current state of knowledge. This is not a specification and does not guarantee specific properties. This information provides general health and safety guidance based on our knowledge of product handling, storage and use. This does not apply to unusual and non-standard applications of the product, for which instructions and recommendations are not followed.