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Safety data sheet according to 1907/2006/EC, Article 31

Printing date 02.11.2023

Version number 2 (replaces version 1)

Revision: 02.11.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- · 1.1 Product identifier
- Trade name: Silver Ag 1 g/l in diluted HNO3 for ICP (C001.2NP)
- · Registration number

A registration number is not available for this substance as the substance or its uses are exempted for registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- No further relevant information available.
- · Application of the substance / the mixture Laboratory Reagent
- · 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier: CPAchem Ltd. 2 Ivanka Terzieva Str. Bogomilovo 6065 Stara Zagora, BULGARIA info@cpachem.com +359 42952901

• Further information obtainable from: Product safety department

• 1.4 Emergency telephone number:

EMERGENCY HEALTH INFORMATION:

Austria +43 1 31304 5620, Belgium +32022649636, Bulgaria +359 2 9154 409, Croatia +38514686910, Cyprus +3572240561, Czech Republic +420267082257, Denmark +45 72 54 40 00, Estonia +3726943384, Finland +358 5052 000, France +33 3 85 21 92, Germany +49-30-18412-0, Greece +302106479250, Hungary +34 (1) 476 1136, Ireland +35318092566, Italy +390649906140, Latvia +371 67032600, Lithuania +370 70662008, Luxembourg +352 24785551, Netherland +31 88 75 585 61,

Norway +47 21 07 70 00, Poland +48 42 2530 400, Portugal +351213303271, Romania +40213183606, Slovakia +421 2 5465 2307, Slovenia +38614006039, Spain +34 917689800, Sweden +46104566750, United Kingdom (England or Wales) 0845 46 47 or Scotland 08454 24 24 24 (UK only).

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS07

Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation.

· 2.2 Label elements

- · Labelling according to Regulation (EC) No 1272/2008
- *The product is classified and labelled according to the CLP regulation.* • *Hazard pictograms*



· Signal word Warning

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Hazard stateme	ents
H315 Causes sk	kin irritation.
H319 Causes se	erious eye irritation.
Precautionary s	statements
P264	Wash thoroughly after handling.
P280	Wear eye protection / face protection.
P305+P351+P	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
D111 D111	present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
<i>P337+P313</i>	If eye irritation persists: Get medical advice/attention.
2.3 Other hazar	rds
Results of PBT	and vPvB assessment
PBT: Not appli	

• **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• Description: Mixture: consisting of the following components.

· Dangerous components:		
CAS: 7697-37-2	nitric acid	2.0%
EINECS: 231-714-2	🚸 Ox. Liq. 3, H272; 🛞 Acute Tox. 3, H331; 🔶 Skin Corr. 1A, H314;	
Index number: 007-030-00-3	Eye Dam. 1, H318, EUH071	
Reg.nr.: 01-2119487297-23	ATE: $LC50/4$ h inhalative: > 20 mg/l	
	Specific concentration limits: Skin Corr. 1A; H314: $C \ge 20 \%$	
	<i>Skin Corr.</i> 1 <i>B</i> ; <i>H</i> 314: 5 % ≤ C < 20 %	
	Ox. Liq. 3; H272: C ≥ 65 %	
CAS: 7761-88-8	silver nitrate	0.16%
EINECS: 231-853-9	🕲 Ox. Sol. 2, H272; 🛞 Acute Tox. 2, H300; 谷 Skin Corr. 1B, H314;	
Index number: 047-001-00-2	 ◊ Ox. Sol. 2, H272; ◊ Acute Tox. 2, H300; ◊ Skin Corr. 1B, H314; ◊ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 	

• Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

• 4.1 Description of first aid measures

· After inhalation: Supply fresh air; consult doctor in case of complaints.

• After skin contact: Generally the product does not irritate the skin.

- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

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SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- 6.2 Environmental precautions: Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

• 6.3 Methods and material for containment and cleaning up:

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). • 6.4 Reference to other sections
- See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling No special precautions are necessary if used correctly. • Information about fire - and explosion protection: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

7697-37-2 nitric acid

IOELV Short-term value: 2.6 mg/m³, 1 ppm

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

- Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: Wash hands before breaks and at the end of work.
- · Respiratory protection: Not required.
- · Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/

the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection Goggles recommended during refilling

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	Oxidising liquids	Void

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· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- \cdot 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

• 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 • Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50 31,250 mg/kg (mouse)

- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- \cdot **Reproductive toxicity** Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.
- 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

• 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packaging:
- *Recommendation: Disposal must be made according to official regulations.*
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

14.1 UN number or ID number	
ADR, IMDG, IATA	UN1760
14.2 UN proper shipping name ADR IMDG, IATA	1760 CORROSIVE LIQUID, N.O.S. (NITRIC ACID) CORROSIVE LIQUID, N.O.S. (NITRIC ACID)
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	8 Corrosive substances.
Label	8
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Segregation groups	Warning: Corrosive substances. 80 F-A,S-B (SGG1) Acids, (SGG7) heavy metals and their salt (including their organometallic compounds)
Stowage Category Stowage Code	A SW2 Clear of living quarters.
14.7 Maritime transport in bulk according to IM instruments	O Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml
Transport category Tunnel restriction code	Maximum net quantity per outer packaging: 1000 ml 3 E

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	(Contd. of page 6)
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• UN "Model Regulation":	UN 1760 CORROSIVE LIQUID, N.O.S. (NITRIC ACID), 8, III

SECTION 15: Regulatory information

· 15 1 Safety hea	Ith and environmental regulations/legislation specific for the substance or mixture
	ding to Regulation (EC) No 1272/2008
	lassified and labelled according to the CLP regulation.
· Hazard pictogra	
GHS07	
· Signal word Wa	rning
· Hazard stateme	
H315 Causes sk	
	rious eye irritation.
· Precautionary s	
P264	Wash thoroughly after handling.
P280	Wear eye protection / face protection.
P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, i
	present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P337+P313	If eye irritation persists: Get medical advice/attention.
· Directive 2012/	18/EU
· Named dangero	ous substances - ANNEX I None of the ingredients is listed.
· LIST OF SUBS	TANCES SUBJECT TO AUTHORISATION (ANNEX XIV)
None of the ingr	edients is listed.
· REGULATION	(EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
· DIRECTIVE 2	011/65/EU on the restriction of the use of certain hazardous substances in electrical and
	oment – Annex II
None of the ingr	
· REGULATION	
• Annex I - RES under Article 5(TRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing (3))
None of the ingr	edients is listed.
· Annex II - REP	ORTABLE EXPLOSIVES PRECURSORS
None of the ingr	redients is listed.
· Regulation (EC) No 273/2004 on drug precursors
None of the ingr	redients is listed.
· Regulation (EC	<i>T)</i> No 111/2005 laying down rules for the monitoring of trade between the Community and
	in drug precursors
None of the ingr	redients is listed.
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Trade name: Silver Ag - 1 g/l in diluted HNO3 for ICP (C001.2NP)

· National regulations:

• Other regulations, limitations and prohibitive regulations

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· Relevant phrases

- H272 May intensify fire; oxidiser.
- H300 Fatal if swallowed.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H331 Toxic if inhaled.
- H400 Very toxic to aquatic life.
- *H410 Very toxic to aquatic life with long lasting effects.*
- EUH071 Corrosive to the respiratory tract.

· Department issuing SDS: Product safety department

- · Contact: Mrs. Taralova
- Date of previous version: 28.09.2022
- · Version number of previous version: 1
- · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Ox. Liq. 3: Oxidizing liquids Category 3
- Ox. Sol. 2: Oxidizing solids Category 2
- Acute Tox. 2: Acute toxicity Category 2
- Acute Tox. 3: Acute toxicity Category 3 Skin Corr. 1A: Skin corrosion/irritation – Category 1A
- Skin Corr. 18: Skin corrosion/irritation Category 1A Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Correston/irritation Category 2 Skin Irrit. 2: Skin corrosion/irritation – Category 2
- *Eye Dam. 1: Serious eye damage/eye irritation Category 1*
- *Eye Dam.* 1. Serious eye damage/eye irritation Category 1 *Eye Irrit.* 2: Serious eye damage/eye irritation – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

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