

## SAFETY DATA SHEET

### 1. Identification of the substance / preparation and company.

#### 1.1 Product identifier

Product Nr. CL05.2631  
Trade name Silver nitrate 0.02 mol/l  
REACH Registration Number 01-2119513705-43  
CAS-No. 7761-88-8

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Reagent for analysis  
In compliance with the conditions described in the annex to this safety data sheet.

#### 1.3 Information provided by AnalytiChem Belgium NV product service.

Responsible department: AnalytiChem Belgium NV  
Industriezone "De Arend" 2  
B-8210 Zedelgem  
BELGIUM  
Tel. +32 50 28 83 20 e-mail: info.be@analytichem.com

#### 1.4 Emergency telephone: 00 (32) 50.28.83.20

### 2. Hazard identification

#### 2.1 Classification of the substance or the mixture (EG 1272/2008)

Skin corrosion/irritation, Categorie 2, H315  
Eye irritation, Categorie 2, H319  
Hazardous to the aquatic environment, Categorie 1, H410

For the full text of H-sentences mentioned in this Section, see Section 16

For the full text of R-sentences mentioned in this Section, see Section 16

#### 2.2 GHS-Labeling

GHS-Labeling Labelling (REGULATION (EC) No 1272/2008) (EG 1272/2008)  
Hazard pictograms:



Signal word:  
Warning :

Hazard statements:

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

P280	Wear protective gloves, protective clothing, eye protection, face protection.
P391	Collect spillage.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice, attention.

Reduced labelling  
Hazard pictograms:



Signal word:  
Warning :

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### **3. Composition / Information on ingredients.**

#### **3.1 Substance**

Not applicable

#### **3.2 Mixture**

CAS-No.	7761-88-8
EC-Nr	231-853-9
Index-No	047-001-00-2
Formula	AgNO3/H2O

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### **4. First aid measures.**

#### **4.1 Description of first aid measures**

##### **General advice**

First-aid personnel: ensure self-protection!

After inhalation: None

After contact with skin: None

After contact with eyes: None

After ingestion: None

#### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

#### **4.3 Indication of any immediate medical attention and special treatment needed**

No data available

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### **5. Fire fighting measures.**

#### **5.1 Extinguishing media**

**Suitable extinguishing media**

In adaption to materials stored in the immediate neighbourhood.

**Unsuitable extinguishing media**

Not of application.

**5.2 Special hazards arising from substance or mixture**

Not of application.

**5.3 Advice for firefighters**

Not of application.

**5.4 Further information**

No data available

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**6. Accidental release measures.****6.1 Personal precautions, protective equipment and emergency procedures**

When used appropriate no negative effects are known.

For personal protection see section 8.

**6.2 Environmental precautions**

No special dangers are known by use.

**6.3 Methods and materials for containment and cleaning up**

Dilute with large quantities of water.

**6.4 Reference to other sections**

For disposal see section 13.

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**7. Handling and storage.****7.1 Precautions for safe handling**

No special measures necessary. The product should be handled with the care usual when dealing with chemicals.

For precautions see section 2.2

**7.2 Conditions for safe storage, including any incompatibilities**

None

Recommended storage temperature see product label.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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**8. Exposure controls - Personal protection.****8.1 Control parameters****8.2 Exposure controls****Engineering measures**

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

See section 7.1

**Individual protection measures**

Not required.

**Respiratory protections**

Not required.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are

carried out according to the instructions of the producer. These measures have to be properly documented.

**Eye protection**

Required.

**Hand protection**

Not required.

**Body protection**

Not required.

**Environmental exposure controls**

No special dangers are known by use.

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**9. Physical and chemical properties.**

**9.1 Information on basic physical**

Appearance

Form: Liquid  
Colour: Colourless  
Odour: Odourless

Changes in physical state

Melting Point: 0°C  
Boiling point: 100°C  
Flash point: -  
Ignation temperature: -  
Mol. Weight: 169.87 g/mol  
Density: 1,01 g/ml  
pH value: pH 6-7  
Solubility in water: soluble  
Explosion limits:

**9.2 Other data**

No further relevant information available.

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**10. Stability and reactivity.**

**10.1 Reactivity**

See section 10.3

**10.2 Chemical stability**

No further relevant information available.

**10.3 Possibility of hazardous reactions**

Dangerous reactions are not expected handling the product according to its intended use.

**10.4 Conditions to avoid**

No further relevant information available.

**10.5 Incompatible materials**

No further relevant information available.

**10.6 Hazardous decomposition products**

No further relevant information available.

## **11. Toxicological information.**

### **11.1 Information on toxicological effects**

Acute oral toxicity

Quantitative data on the toxicity of this product are not available.

Acute inhalation toxicity

No further relevant information available.

Acute dermal toxicity

No further relevant information available.

Skin irritation

No further relevant information available.

Eye irritation

No further relevant information available.

Sensitisation

No further relevant information available.

Germ cell mutagenicity

No further relevant information available.

Carcinogenicity

No further relevant information available.

Reproductive toxicity

No further relevant information available.

Teratogenicity

No further relevant information available.

Specific target organ toxicity - single exposure

No further relevant information available.

Specific target organ toxicity - repeated exposure

No further relevant information available.

Aspiration hazard

No further relevant information available.

### **11.2 Further information**

No further relevant information available.

Further data:

Handle in accordance with good industrial hygiene and safety practice..

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## **12. Ecological information.**

### **12.1 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**

No further relevant information available.

## 12.6 Other adverse effects

No ecological problems are to be expected when the product is handled and used with due care and attention

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## 13. Disposal considerations.

Product: Chemicals must be disposed of in compliance with the respective national regulations. Packaging: Chem-lab product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

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## 14. Transport information.

### Land Transport (ADR/RID)

14.1 UN number	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Silver nitrate solution)
14.2 Proper shipping name	
14.3 Class	9
14.4 Packing group	III
14.5 Environmentally hazardous	yes
14.6 Special precautions for user	no
Tunnel restriction code	(E)

### Inland waterway transport (ADN)

Not relevant

### Air Transport (IATA)

14.1 UN number	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Silver nitrate solution)
14.2 Proper shipping name	
14.3 Class	9
14.4 Packing group	III
14.5 Environmentally hazardous	yes
14.6 Special precautions for user	no

### Sea Transport (IMDG)

14.1 UN number	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Silver nitrate solution)
14.2 Proper shipping name	
14.3 Class	9
14.4 Packing group	III
14.5 Environmentally hazardous	yes
14.6 Special precautions for user	no

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

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## 15. Regulatory information.

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

For this product an assessment was not carried out.

### 15.2 Chemical Safety Assessment

For this product an assessment was not carried out.

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## 16. Other information.

The information and recommendations in this MSDS are to the best of our knowledge, information and belief accurate

at the date of publications. Although utmost care has been taken in the composition of this text, the publisher cannot be held responsible for any damage resulting from any possible error in this publications.

Full text of H-Statements referred to under sections 2 and 3.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H410 Very toxic to aquatic life with long lasting effects.