



## Safety Data Sheet According to Regulation (EU) 830/2015

### 1464 Silver Nitrate 0,1 mol/l \*(0,1N)

#### 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Name:

Silver Nitrate 0,1 mol/l \*(0,1N)

**REACH Registration Number:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

##### 1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

##### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

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E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

##### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

#### 2. Identification of dangers

##### 2.1 Classification of the substance or the mixture.

Aquatic Chronic 3

##### 2.2 Label elements:

**Hazard Pictograms**

**Signal word**

### **Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

### **Precautionary statements**

P273 Avoid release to the environment.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

### **2.3 Other hazards:**

No further relevant information available.

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

### **3.1 Substances**

Aqueous solution

Name: Silver Nitrate 0,1 mol/l \*(0,1N)

Formula: AgNO<sub>3</sub> M.= 169,87 CAS [7761-88-8]

EC number (EINECS): 231-853-9

EC index number: 047-001-00-2

### **3.2 Mixtures**

#### **0001: Silver Nitrate**

Formula: AgNO<sub>3</sub> M.= 169,87 CAS [7761-88-8]

EC number (EINECS): 231-853-9

EC index number: 047-001-00-2

REACH Registration Number: 01-2119513705-43-XXXX

**Content:** >= 1 % <= 5 %

Ox. Sol. 2

Skin Corr. 1B

Aquatic Acute 1

Aquatic Chronic 1

### **Hazard Pictograms**



### **Signal word**

Danger

## **Hazard statements**

H272 May intensify fire; oxidiser.

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

## **4. First aid measures**

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

Never provide drink or induce vomiting in the event of loss of consciousness.

### **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**

#### **Swallowing:**

Drink large amounts of water. Induce vomiting. Call for medical help.

#### **Inhaling:**

Take the person out into the fresh air.

#### **Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

#### **Eyes:**

Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

## **5. Firefighting measures**

### **5.1 Extinguishing media:**

As appropriate to the environment.

### **5.2 Special hazards arising from the substance or mixture:**

Incombustible. In the event of fire, toxic fumes may form:

### **5.3 Advice for firefighters:**

Suitable clothing and footwear.

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid contact with the skin, eyes or clothing.

### **6.2 Environmental precautions:**

Avoid pollution of the soil, water supplies and drains.

### **6.3 Methods and material for containment and cleaning up:**

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

## **6.4 Reference to other sections**

Not applicable

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

Limited shelf-life.

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

Well sealed containers. In well ventilated premises. Away from light.

**Recommended storage temperature:** Room temperature.

### **7.3 Specific end use(s)**

No more relevant data available

## **8. Exposure controls/personal protection**

### **8.1 Control parameters:**

VLA-ED: 0,01 mg/m<sup>3</sup>

### **8.2 Exposure controls**

No special indications.

Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection.

Hand protection:

Use suitable gloves

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

Remove contaminated clothing. Wash hands before breaks and when the job is done.

Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance: liquid

Colour: Colourless

Granulometry: N/A

Odour: Odourless.

pH: ~4 - 5

Melting point/freezing point: N/A

Initial boiling point and boiling range:

N/A

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A  
Vapour density: N/A  
Relative density: (20/4) 1,012 g/ml  
Solubility: Miscible with water  
Partition coefficient: n-octanol/water:  
N/A  
Auto-ignition temperature:  
N/A  
Decomposition temperature: N/A  
Kinematic viscosity: N/A  
Dynamic viscosity:  
N/A

## **9.2 Other information**

No more relevant data available

## **10. Stability and reactivity**

### **10.1 Reactivity**

No specific data.

### **10.2 Chemical stability:**

Light-sensitive.

### **10.3 Possibility of hazardous reactions**

No specific data.

### **10.4 Conditions to avoid:**

The product is chemically stable under standar ambient conditions (room temperature).

### **10.5 Incompatible materials:**

No specific data.

### **10.6 Hazardous decomposition products:**

No specific data.

## **11. Toxicological information**

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

Acute toxicity:

: Data not available.

Dangerous effects for health:

If fumes inhaled: Irritations to the respiratory tracts. May cause: coughing breathing difficulties Upon contact with the skin: irritations burns Through contact with the eyes: irritations burns If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. The product is absorbed with difficulty in the gastro-intestinal tract, which can cause acute toxicity.

## **12. Environmental information**

## **12.1 Toxicity:**

### **- EC50 test (mg/l):**

Bacteria (Ps. putida) 0,006 mg/l

Classification:

Extr. toxic

Algae (Sc. quadricauda) 0,009 mg/l

Classification:

Extr. toxic

Algae (M. aeruginosa) 0,0007 mg/l

Classification:

Extr. toxic

Protozoa (U. parduczi). 0,1 mg/l

Classification:

Extr. toxic

Crustaceans (Daphnia magna) 0,004 mg/l

Classification:

Extr. toxic

### **- Receptor medium:**

Risk for the water environment

High

Risk for the land environment

High

### **- Observations:**

## **12.2 Persistence and Degradability :**

### **- Test:**

### **- Biotic degradation classification:**

BOD5/COD

Biodegradability

### **- Abiotic degradation depending on pH:**

### **- Observations:**

## **12.3 Bioaccumulative potential:**

### **- Test:**

### **- Bioaccumulation:**

Risk

### **- Observations:**

## **12.4 Mobility in soil :**

Data not available.

## **12.5 Assessment PBT and MPMB :**

Data not available.

## **12.6 Other adverse effects:**

Do not allow it to enter soils or water channels.

## **13. Disposal considerations**

### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

Contaminated containers:  
Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

## **14. Transport information**

### **14.1 UN number**

Not applicable

### **14.2 UN proper shipping name**

Not applicable

### **14.3 Transport hazard class(es)**

Not applicable

### **14.4 Packing group**

Not applicable

### **14.5 Environmental hazards**

Not applicable

### **14.6 Special precautions for user**

Not applicable

### **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

## **15. Regulatory information**

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **15.2 Chemical safety assessment**

Not applicable

## **16. Other information**

### **Other precautionary statements**

Version and revision date : 5 07.10.2017

Date published: 07.10.2017

In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.

