

# POCH Safety Data Sheet

According to EC Directive 2001/58/CE. Creation date / last update: 2003-02-13 / 2005-05-18

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

### **ANALYTICAL WEIGHED AMOUNT SILVER NITRATE 0,1 MOL/L (0,1 N)**

Catalogue Numbers: .-814340160;

Use of the substance / preparation: for analysis

POCH SA

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## 2. Hazard identification

*Causes burns. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

## 3. Composition/information on ingredients

Synonyms: *water solution*

CAS-No.: 7761-88-8

Molecular mass: 169.87

Molecular formula:  $AgNO_3$

WE Number: 231-853-9

## 4. First aid measures

After eye contact: *rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately call in ophthalmologist.*

After skin contact: *wash off with plenty of water. Dab with polyethylene glycol 400. Immediately take off contaminated clothing.*

After swallowing: *make victim drink plenty of water. Avoid vomiting (risk of perforation). Do not attempt to neutralize. Immediately summon doctor.*

After inhalation: *fresh air. Consult doctor if victim feeling unwell.*

## 5. Fire-fighting measures

Suitable extinguishing media: *in adaption to materials stored in the immediate neighbourhood*

Special risk: *fire- promoting. Development of hazardous gases or vapours possible in the event of fire: nitrogen oxides.*

Special protective equipment for fire fighting:

Other information: *non-combustible. Prevent fire- fighting water from entering surface water or groundwater*

Prevent fire-fighting water from entering surface water or groundwater. Cool container with spray water from a safe distance.

Contain escaping vapours with water.

## 6. Accidental release measures

*Do not inhale vapours/aerosols. Take up with liquid- absorbent material. Forward for disposal. Clean up affected area. Avoid substance contact. Do not allow to enter sewerage system.*

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### 7. Handling and storage

Handling: *Use with adequate ventilation. Use of the basic principles of Industrial Hygiene. Use according to good industry practice. Work under hood. Do not inhale substance. Do not empty into sewerage system. Use protective equipment according to p.8. Avoid skin contact.*

Storage: *tightly closed. Dry place. At +15 to +25 deg C. Keep away from flammable substances, sources of ignition and heat. Protect from light.*

### 8. Exposure controls/personal protection

Specific control parameter: *silver salts as Ag - max. workplace conc.: 0,01 mg/m<sup>3</sup>.*

*Provide exhaust ventilation. Ensure the eye wash station and safety showers. Protective equipment should be selected for the working place, depending on concentration and quantity of the hazardous product handled. The resistance of the protective clothing to chemicals should be ascertained with respective supplier.*

Personal protective equipment:

respiratory protection: *required when dusts are generated - respiratory protection*

eye protection: *required - safety goggles.*

hand protection: *required - protective clothing.*

body protection: *required - protective clothing.*

industrial hygiene: *immediately change contaminated clothing. Apply skin - protective barrier cream. Wash hands and face after working with substance.*

### 9. Physical and chemical properties

Form: *liquid*

Colour: *colourless*

Odour: *odourless*

pH value: *7-9 (20°C)*

Melting point: *not available*

Boiling point: *not available*

Ignition temperature: *not applicable*

Flash point: *not applicable*

Explosion limit: *not applicable*

lower:

upper:

dynamic viscosity:

kinematical viscosity:

Vapour pressure: *not available*

Density: *~ 1,27 g/cm<sup>3</sup> (20°C)*

Bulk density: *not applicable*

Solubility:

in water: *soluble*

in organic solvents: *not available*

log P(w/o):

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### 10. Stability and reactivity

Conditions to be avoided: *no special requirements*

Substances to be avoided: *nonmetals, organic compounds, alkali hydroxides, acetylidene, acetylene, aldehydes, nitril, ammonium, ammonium compounds, combustibles, hydrazine and derivatives, carbides, organic nitrocompounds, heating (decomposition), powdered magnesium (with water),*

Hazardous decomposition products: *no information available*

Other information: *light- sensitive*

### 11. Toxicological information

Toxicological information: *Quantitative data on the toxicity of this product are not available.*

Other information: *after skin contact: strong irritations. After eye contact: strong irritations. After swallowing: irritation in the gastrointestinal tract, nausea, vomiting, diarrhoea.*

### 12. Ecological information

*High toxicity for aquatic organisms. May cause long-term adverse effects in the aquatic environment. Caustic even in diluted form. Fish toxic effect - L. idus LC50: 0,029 mg/l/96 h, Ouchorhynchus mykiss LC50: 0,006 mg/l/96 h. Daphnia magna Toxic effect EC50: 0,002 mg/l/48 h. Algae toxic effect - Scenedesmus sp. IC50: 0,808 mg/l/8 dni. Bacterial toxicity Toxic effect, Ps. putida EC10: 0,006 mg/l/16 h. Do not allow to enter waters, waste water or soil!*

### 13. Disposal considerations

*POCh product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Handle contaminated packing in the same way as the substrate itself. Always contact a permitted waste disposal to assure compliance with all current local, state and federal regulations.*

### 14. Transport information

ADR Class and package group: *8 , II*

UN Number: *1760*

Name (acc. to UN): *liquid, corrosive, N.O.S.*

### 15. Regulatory information

Labelling according to EC Directives.

Symbol: *C, N; Corrosive. Dangerous for the Environment.*

R-phrases: *34-50/53; Causes burns. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

S-phrases: *26-36/37/39-45-61; In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid release to the environment. Refer to special instructions / Safety data sheets. Wear suitable protective clothing, gloves and eye/face protection.*

### 16. Other information

Reason for alteration: *general update.*

Informations contained in this SDS while accurate to the best knowledge