
MATERIAL SAFETY DATA SHEET

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

1.1 Product identifiers

Product name: Silver nitrate
CAS number: 7761-88-8
EINECS number: 203-853-9
Index number: 047-001-00-2
Product number: REA008-C, REA008-B
Brand: Solmedia Ltd

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

PC21: Laboratory chemicals

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Solmedia Ltd.
- Address of Supplier: Unit 2, Vernon Drive
Battlefield Enterprise Park
Shrewsbury
SY1 3TF
UK
- Telephone: 0844 80 80 900
- Email: labsupplies@solmedialtd.com

1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Ox. Sol. 2: H272; Skin Corr. 1B: H314; Aquatic Chronic 1: H410;
Aquatic Acute 1: H400

Classification under CHIP: O: R8; C: R34; N: R50/53

Most important adverse effects: May intensify fire; oxidiser. Causes severe skin burns and eye damage. Very toxic to aquatic life with long lasting effects

2.2 Label elements

Label elements under CLP:

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.

Signal words: Danger

Hazard pictograms: GHS03: Flame over circle
GHS05: Corrosion
GHS09: Environmental



2.3 Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical identity: SILVER NITRATE

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended.

After inhalation Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

In case of skin contact After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.

After eye contact In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.

In case of ingestion If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Give nothing to eat or drink

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

4.4 Self-protection of the first aider

First aider: Pay attention to self-protection!

4.5 Information to physician

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits hazardous fumes of Silver/Silver Oxides In combustion emits toxic fumes of nitrogen oxides.

5.3 Advice for firefighters

No specific data

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Data not available

6.2 Environmental precautions

Data not available

6.3 Methods and materials for containment and cleaning up

Data not available

6.4 Reference to other sections

Data not available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No specific data

7.2 Conditions for safe storage, including any incompatibilities

No data available

7.3 Specific end use(s)

Specific end use(s): No special requirement

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2.1 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique

(Without touching glove's outer surface) to avoid skin contact with this product. Dispose of Contaminated gloves after use in accordance with applicable laws and good laboratory practices.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Wash and dry hands.

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK.

Additional Information

Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously.

Control of environmental exposure

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.

Workplace exposure limits:

Not applicable

8.2 Exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**State:** Solid**Colour:** White**9.2 Other safety information****Other information:** Not applicable.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Light

10.5 Incompatible materials**Materials to avoid:** Strong reducing agents. Alcohols. Strong bases. Magnesium Ammonia**10.6 Hazardous decomposition products**

No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Toxicity values:**

Route	Species	Test	Value	Units
IPR	RAT	LD50	83	mg/kg
ORL	MUS	LD50	50	mg/kg
ORL	RAT	LD50	1173	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Based on test data
Serious eye damage/irritation	OPT	Based on test data

Symptoms/ routes of exposure

No data available

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicity values:

No data available

12.2 Persistence and degradability

No available data

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6 Other adverse effects

Very toxic to aquatic organisms.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations: Incineration on land. Transfer to a suitable container and arrange for collection by specialised disposal company.

SECTION 14: Transport information

14.1 UN Number

UN1493

14.2 UN Proper Shipping Name

Shipping name: SILVER NITRATE

14.3 Transport hazard class(es)

Transport class: 5.1

14.4 Packing Group

II

14.5 Environmental Hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6 Special precautions for user

Tunnel code: E

Transport category: 2

SECTION 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

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

Phrases used in s.2 and 3:

H272: May intensify fire; oxidiser.

H314: Causes severe skin burns and eye damage.

H410: Very toxic to aquatic life with long lasting effects.

R8: Contact with combustible material may cause fire.

R34: Causes burns.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.