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# ReAgent

## SAFETY DATA SHEET SILVER NITRATE 0.05M

According to Regulation (EC) No 1907/2006

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME SILVER NITRATE 0.05M  
 PRODUCT NO. 1082  
 APPLICATION General chemical reagent  
 SUPPLIER Reagent Chemical Services  
 18 Aston Fields Road  
 Whitehouse Industrial Estate  
 Runcorn  
 Cheshire WA7 3DL  
 T: 01928 716903  
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 E: info@reagent.co.uk  
 EMERGENCY TELEPHONE Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

### 2 HAZARDS IDENTIFICATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION R52/53.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SILVER NITRATE	231-853-9	7761-88-8	< 1	C;R34 N;R50/53

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately!

#### SKIN CONTACT

Immediately remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

The product is non-combustible. Water spray.

#### SPECIFIC HAZARDS

By heating and fire, toxic vapours/gases may be formed.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

#### SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Wash contaminated area with water.

**SILVER NITRATE 0.05M****7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Avoid inhalation of vapours/spray and contact with skin and eyes.

**STORAGE PRECAUTIONS**

Store away from combustible materials. Store in closed original container at temperatures between 15°C and 25°C. Store away from direct sunlight and moisture

**STORAGE CLASS**

Chemical storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
SILVER NITRATE	OES		0.01 As Ag mg/m3			

**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. If vapours or mists are generated, work in a fume cupboard.

**RESPIRATORY EQUIPMENT**

Wear suitable respiratory protection if vapours or mists are generated.

**HAND PROTECTION**

Wear protective gloves. Rubber or plastic

**EYE PROTECTION**

Wear approved safety goggles.

**OTHER PROTECTION**

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and if handling large amounts, a safety shower. If there is a risk of splashing then wear a face shield.

**HYGIENE MEASURES**

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Liquid		
COLOUR	Colourless		
ODOUR	Odourless		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	Approx. 100 760 mm Hg	MELTING POINT (°C)	Approx. 0
RELATIVE DENSITY	Approx. 1.0 20	pH-VALUE, CONC. SOLUTION	4 - 5

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Air sensitive.

**MATERIALS TO AVOID**

Non-metals Organic substances. Alkaline substances Ammonium compounds. Hydrazine and derivatives The possibility of reaction with other materials cannot be excluded.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Nitrous gases (NOx).

**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause irritation to the respiratory system.

**SILVER NITRATE 0.05M****INGESTION**

May irritate and cause stomach pain, vomiting and diarrhoea.

**SKIN CONTACT**

Slightly irritating.

**EYE CONTACT**

Irritating to eyes.

**HEALTH WARNINGS**

Although not classified as hazardous, the product should be treated with the care and attention appropriate to chemicals.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. Ecological effects cannot be excluded in the event of improper handling or disposal. Do not allow to enter drinking water, waste water or soil.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION****GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

**15 REGULATORY INFORMATION****RISK PHRASES**

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES**

S60

This material and its container must be disposed of as hazardous waste.

**STATUTORY INSTRUMENTS**

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

**APPROVED CODE OF PRACTICE**

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

**NATIONAL REGULATIONS**

Control of Substances Hazardous to Health Regulations 2002 (as amended)

**16 OTHER INFORMATION****REVISION COMMENTS**

This is first issue.

**REVISION DATE**

28/05/2009

**REV. NO./REPL. SDS GENERATED**

1

**SDS NO.**

11472

**SAFETY DATA SHEET STATUS**

Approved.

**RISK PHRASES IN FULL****R34**

Causes burns.

**R50/53**

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