

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

PRODUCT NAME SILVER NITRATE (10% AQUEOUS)

PRODUCT CODE 64129x

<u>SUPPLIER</u>	Clin-Tech Limited	Telephone	+44 (0)1483 301902
	Unit G, Perram Works	Fax	+44 (0)1483 301907
	Merrow Lane		
	Guildford, Surrey	Email	info@clin-tech.co.uk
	GU4 7BN	Website	www.clin-tech.co.uk
	UK		

## 2. HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Corrosive to Metals (Category 1)	H290
Skin Corrosion (Category 1B)	H314
Chronic Aquatic Toxicity (Category 1)	H410

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

DANGER



### Hazard statement(s)

H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H410	Very toxic to aquatic life with long lasting effects

### Precautionary statement(s)

P273	Avoid release to the environment
P308+P313	IF exposed or concerned: Get medical advice/attention
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P302+P352	IF ON SKIN: wash with plenty of soap and water
P404	Store in a closed container

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
SILVER NITRATE	231-853-9	7761-88-8	10-25%	Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1, Ox. Sol., Met. Corr. 1 H272 H290 H314 H410

## 4. FIRST-AID MEASURES

### INHALATION

Move the exposed person to fresh air. Perform artificial respiration if breathing has stopped. Consult a physician.

### INGESTION

Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Consult a physician.

### SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water.

### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Consult a physician.

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## 5. FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use: Water spray, Alcohol-resistant foam, Dry chemicals, or Carbon dioxide

### PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

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## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid aerosol formation. Avoid breathing aerosols. Ensure adequate ventilation.

### ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

### SPILL CLEAN-UP METHODS

Flush area with water – do not allow water to enter drains. Absorb with disposable towels and hold for hazardous disposal – see section 13.

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## 7. HANDLING & STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid aerosol formation. Provide adequate exhaust function where aerosol is likely.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

STORAGE CLASS  
Chemical storage.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

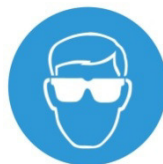
Name	Std	8h TWA	STEL
SILVER NITRATE	WEL	0.01 mg/m <sup>3</sup>	0.03 mg/m <sup>3</sup>

*WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.*

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### PROTECTIVE EQUIPMENT



### HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing or aerosols are probable.

### RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where aerosols are likely.

### OTHER PROTECTION

Provide eyewash station.

### HYGIENE MEASURES

**DO NOT SMOKE IN WORK AREA!** Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colourless Liquid
ODOUR	None
SOLUBILITY / MISCIBLE WITH	Water; Ethanol

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## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### INCOMPATIBLE MATERIALS

Strong oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### TOXIC DOSE

Silver Nitrate LD 50 Oral, Rat >2000 mg/kg

### INHALATION

May be harmful if inhaled. May causes respiratory tract irritation.

### INGESTION

May be harmful if swallowed.

### SKIN CONTACT

May be harmful if absorbed through skin. Causes severe skin burns.

### EYE CONTACT

Causes severe eye damage .

## 12. ECOLOGICAL INFORMATION

<u>TOXIC DOSE</u>	LC50	<i>Leuciscus idus</i>	0.029 mg/L (96 h)
	EC50	<i>Daphnia magna</i>	0.0006 mg/L (48 h)
	EC50	<i>Photobacterium phosphoreum</i>	0.038 mg/L (24 h)

### ECOTOXICITY

Very toxic to aquatic life with long lasting effects. Avoid release to the environment.

## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

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

## 14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	1760	8	II	Corrosive liquid, n.o.s.
<u>IATA</u>	1760	8	II	Corrosive liquid, n.o.s.
<u>IMDG</u>	1760	8	II	Corrosive liquid, n.o.s.

### SIGNAGE



### ENVIRONMENTAL HAZARDS

RID / ADR	Yes
IATA	Yes
IMDG	Marine Pollutant

## 15. REGULATORY INFORMATION

### STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.  
Workplace Exposure Limits EH40/2011.

## 16. OTHER INFORMATION

### GENERAL INFORMATION

This safety data sheet covers all codes for this product.

### REVISION INFORMATION

Revision No.	06
Revision Date	10/2015
Comments	CHIP regulations removed
Replaces Document Generated	04/2013

### HAZARD STATEMENTS IN FULL

H272	May intensify fire; oxidizer
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H410	Very toxic to aquatic life with long lasting effects