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SILVER CITRATE IN CITRIC ACID SOLUTION				

Section 1 – Chemical Product and Company Identification

1.1. Product identifier:

Silver Citrate in Citric Acid solution.

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

To be used as a sample preservative for analytical testing.

1.3. Details of the supplier of the safety data sheet:



ALS Laboratories (UK) Limited

Torrington Avenue,
Coventry, CV4 9GU

1.4. Emergency telephone number

T: +44 (0)24 7642 1213

F: +44 (0)24 7685 6575

Section 2 – Hazards Identification

2.1. Classification of the substance or mixture

Eye irritation (Category 2), H319

STOT SE (Category 3), H335

2.2. Label elements

Pictograms



Signal word: None.

Hazard statement(s)

H319 Causes serious eye irritation.

H335 May cause respiratory irritation

Precautionary statement(s)

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P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Supplemental Hazard Statements:
None.

Reduced labelling for packages where contents do not exceed 125ml.

Pictograms



Signal word: None.

2.3. Other hazards - None.

Section 3 – Composition, Information on Ingredients

3.2. Mixtures

Component	Hazards	Concentration
Citric acid monohydrate	H319, H335.	48%
Trisilver citrate hydrate	H315, H319, H335.	<0.1%
Water	None.	52%

Section 4 – First Aid Measures

4.1. Description of first aid measures

Inhalation - remove to fresh air, get immediate medical attention after significant exposure or feeling ill.

Ingestion - do not induce vomiting, wash out mouth with water.

If feeling unwell consult your doctor immediately.

Eye - rinse thoroughly with water for 20 minutes - take care not to affect uncontaminated eye. If irritation persists then consult a doctor.

Skin - wash with soap/cleanser and rinse with water; if irritation persists then consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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4.3. Indication of any immediate medical attention and special treatment needed
No data available.

Section 5 – Fire Fighting Measures

5.1. Extinguishing media: Powder / foam / carbon dioxide.

5.2. Special hazards arising from the substance or mixture: No data available.

5.3. Advice for firefighters: No data available.

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures: Protect skin and eyes from spillages.

6.2. Environmental precautions: No special measures necessary.

6.3. Methods and materials for cleaning up: Use a suitable absorbent. Collect into a container, close lid.

6.4. Reference to other sections. See suitable PPE in section 8.

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Avoid inhalation of vapour or mist. Avoid skin contact. Wear nitrile gloves if exposure is likely. Wear eye protection if contact is likely. Wash skin after contact.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 – Exposure Controls, Personal Protection

8.1. Control parameters: Control parameters: This substance has no WEL under EH40.

8.2. Exposure controls: Avoid skin contact. Wear nitrile gloves if exposure is likely. Wear eye protection if contact is likely. Keep containers closed when not in use. Change clothes if they become heavily soiled. Wash skin after contact.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties: Clear, colourless, odourless liquid.

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9.2. Other information: No data available.

Section 10 – Stability and Reactivity

10.1. Reactivity: No data available.

10.2. Chemical stability: Stable under normal temperatures and pressures.

10.3. Possibility of hazardous reactions: Hazardous Polymerization: Has not been reported.

10.4. Conditions to avoid: No data available.

10.5. Incompatible materials: No data available.

10.6. Hazardous decomposition products: No data available.

Section 11 – Toxicological Information

11.1. Information on toxicological effects: No data available.

Section 12 – Ecological Information

12.1. Toxicity: No data available.

12.2. Persistence and degradability: No data available.

12.3. Bioaccumulative potential: No data available.

12.4. Mobility in soil: No data available.

12.5. Results of PBT and vPvB assessment: No data available.

12.6. Other adverse effects: No data available.

Section 13 – Disposal Considerations

13.1. Waste treatment methods: Do not dispose of as general waste.

Section 14 – Transport Information

14.1. UN number: Not regulated.

14.2. UN proper shipping name: Not regulated.

14.3. Transport hazard class(es): Not regulated.

14.4. Packing group: Not regulated.

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14.5. Environmental hazards: Not regulated.

14.6. Special precautions for user: Not regulated.

Section 15 – Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
 CDG (Carriage of Dangerous Goods) Regulations
 CLP (Chemicals, Labelling and Packaging) Regulations.
 CoSHH (Control of Substances Hazardous to Health) regulations
 Hazardous Waste Regulations
 PPE Regulations
 Workplace Exposure Limits EH40

15.2. Chemical safety assessment: For this product a chemical safety assessment was not carried out.

Section 16 – Other Information

16.1 Other information:
 Written by Paul Talbot.

16.2 Date of the latest revision of the SDS:
 See document header.