

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** SILVER NITRATE**CAS number:** 7761-88-8**Product code:** A71029, F79014**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet****Company name:** Philip Harris Ltd

2 Gregory Street

Hyde

Cheshire

SK14 4HR

United Kingdom

Tel: +44 (0)845 1200 506**Fax:** +44 (0)161 367 2140**Email:** enquiries@philipharris.co.uk**1.4. Emergency telephone number****Emergency tel:** +44 (0) 845 1200 506**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Met. Corr. 1: H290; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Irrit. 2: H315;
Eye Irrit. 2: H319; Ox. Sol. 2: H272**Classification under CHIP:** O: R8; C: R34; Xi: R36/38; N: R50/53**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation. May be corrosive to metals. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.**2.2. Label elements****Label elements under CLP:****Hazard statements:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

H290: May be corrosive to metals.

H400: Very toxic to aquatic life.

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

Signal words: Warning**Hazard pictograms:** GHS07: Exclamation mark

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GHS05: Corrosion

GHS09: Environmental



Precautionary statements: P280: Wear.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see on this label).

P406: Store in container with a resistant inner liner.

P501: Dispose of to.

2.3. Other hazards

PBT: This product is not identified as a PBT substance.

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

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 Doctor

Eye contact: Bathe the eye with running water for 15 minutes. Protect Uninjured eye. Remove contact lenses, if present and easy to do. Consult a doctor.

Ingestion: Rinse mouth thoroughly with water. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Keep Patient warm. Consult a doctor.

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

Skin contact: May be harmful if absorbed through skin. May cause skin irritation.

Eye contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. may cause respiratory tract irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

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5.1. Extinguishing media

Extinguishing media: The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: If this product is involved in a fire, the following can be released: Metal Oxide Nitrogen oxides (NOx)

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

6.2. Environmental precautions

Environmental precautions: Do not allow to enter into soil/subsoil. Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Spilled product must never be returned to the original container for recycling. Absorb with liquid-binding material (eg sand, diatomaceous earth, acid- or universal binding agents). Ventilate affected area.

6.4. Reference to other sections

Reference to other sections: See section 7. Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Keep containers tightly sealed. Store in cool, Dry place in tightly closed containers. Ensure good ventilation/exhaustion at the work place.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Store in the Dark. Water reacts with many metals to give hydrohen, often violently. Water also reacts violently with many reactive organic and inorganic chemicals.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

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8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Technical measures and the application of suitable work processes have priority over personal protection equipment. Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Respiratory protection: Use breathing protection with high concentrations.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Face-shield.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Odourless

Evaporation rate: Not applicable

Oxidising: No data available

Solubility in water: Miscible

Also soluble in: No data available.

Viscosity: No data available

Viscosity test method: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No data available.

10.2. Chemical stability

Chemical stability: Stable under recommended storage conditions

10.3. Possibility of hazardous reactions

Hazardous reactions: Water reacts violently with alkali metals. Reacts with alkaline earth metals.

10.4. Conditions to avoid

Conditions to avoid: Light.

10.5. Incompatible materials

Materials to avoid: Water reacts with many metals to give hydrogen, often violently. Water is also incompatible with many reactive organic and inorganic chemicals.

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10.6. Hazardous decomposition products

Haz. decomp. products: Metal oxide Nitrogen Oxides

Section 11: Toxicological information

11.1. Information on toxicological effects

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

Skin contact: May be harmful if absorbed through skin. May cause skin irritation.

Eye contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. may cause respiratory tract irritation.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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Section 14: Transport information

14.1. UN number

UN number: UN3082

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H290: May be corrosive to metals.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

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

R8: Contact with combustible material may cause fire.

R34: Causes burns.

R36/38: Irritating to eyes and skin.

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 and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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