



CASWELL INC

Safety Data Sheet Silver Plating Solution Part A

SECTION 1: Identification

1.1 Product identifier

Product name	Silver Plating Solution Part A
Product number	SCA
Brand	Caswell

1.4 Supplier's details

Name	Caswell Inc
Address	7696 Route 31 Lyons NY 14489 USA
Telephone	315 946 1213
Fax	315 946 4456
email	sales@caswellplating.com

1.5 Emergency phone number(s)

Office Hours (9-4ET): 315 946 1213
24 Hour: CHEMTEL US# 1-800-255-3924 Intl# +01-813-248-0585

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Acute hazards to the aquatic environment (chapter 4.1), Cat. 1
- Long-term hazards to the aquatic environment (chapter 4.1), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Safety Data Sheet

Silver Plating Solution Part A

Hazard statement(s)

H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. WATER

Concentration 60 - 90 % (weight)
CAS no. 7732-18-5

2. Silver nitrate in water

Concentration 2 - 4 %
EC no. 231-853-9
CAS no. 7761-88-8
Index no. 047-001-00-2

Trade secret statement (OSHA 1910.1200(i))

Specific chemical names and formulas have been omitted as a trade secret under OSHA 1910.1200.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention
If inhaled	Assure fresh air breathing. Allow the victim to rest.
In case of skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
In case of eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/injuries after skin contact: Slight irritation.
Symptoms/injuries after eye contact: May cause slight irritation.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Safety Data Sheet

Silver Plating Solution Part A

5.3 Special protective actions for fire-fighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use chemically protective clothing.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up

On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container in a cool, well ventilated place away from : incompatible materials. Keep container closed when not in use. Incompatible products: Oxidizing agent. Strong acids.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Silver nitrate in water (CAS: 7761-88-8 EC: 231-853-9)

TLV@: 0.01 mg/m³ (ACGIH)

8.2 Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Chemical goggles or safety glasses.

Skin protection

Wear protective gloves.

Body protection

Safety Data Sheet

Silver Plating Solution Part A

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Wear appropriate mask.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear Liquid
Odor	Odorless
Odor threshold	No Data Available
pH	9
Melting point/freezing point	No Data Available
Initial boiling point and boiling range	220 deg F
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability (solid, gas)	No Data Available
Upper/lower flammability limits	No Data Available
Upper/lower explosive limits	No Data Available
Vapor pressure	No Data Available
Vapor density	No Data Available
Relative density	1.15-1.25
Solubility(ies)	Water
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidizing properties	No Data Available

SECTION 10: Stability and reactivity

10.1 Reactivity

None

10.2 Chemical stability

Not Established

10.3 Possibility of hazardous reactions

Not Established

10.4 Conditions to avoid

Direct Sunlight. Extremely high or low temperatures.

10.5 Incompatible materials

Strong Acids. Strong Bases.

10.6 Hazardous decomposition products

No Data Available

SECTION 11: Toxicological information

Safety Data Sheet

Silver Plating Solution Part A

Information on toxicological effects

Acute toxicity

No Data Available

Skin corrosion/irritation

Not Classified

Serious eye damage/irritation

Not Classified

Respiratory or skin sensitization

Not Classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

No Data Available

STOT-single exposure

Not classified

STOT-repeated exposure

Not classified

SECTION 12: Ecological information

Toxicity

No Data Available

Other adverse effects

Avoid release to the environment.

SECTION 13: Disposal considerations

Disposal of the product

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.

Waste treatment

Avoid release to the environment.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

Safety Data Sheet

Silver Plating Solution Part A

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Silver nitrate

CAS number: 7761-88-8

New Jersey Right To Know Components

Common name: SILVER NITRATE

CAS number: 7761-88-8

Pennsylvania Right To Know Components

Chemical name: Nitric acid, silver(1+) salt

CAS number: 7761-88-8

HMIS Rating

Silver Plating Solution Part A	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	F

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Caswell Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Caswell Inc has been advised of the possibility of such damages.