

Safety Data Sheet
Bronze Plating Solution

SECTION 1: Identification

1.1 Product identifier

Product name	Bronze Plating Solution
Product number	BZS
Brand	Caswell

1.2 Other means of identification

Plug N Plate Bronze

1.3 Recommended use of the chemical and restrictions on use

Electroplating Solution

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

- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 3
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 4

2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

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H402 Harmful to aquatic life
H413 May cause long lasting harmful effects to aquatic life

Precautionary statement(s)

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Copper (II) sulfate

Concentration < 3 %
EC no. 231-847-6
CAS no. 7758-98-7
Index no. 029-004-00-0

2. WATER OR OTHER NON-REPORTABLE INGREDIENTS

Concentration 97 - 100 %
CAS no. 7732-18-5

Trade secret statement (OSHA 1910.1200(i))

Per OSHA 1910.1200(i), specific chemical identities and percentages have been withheld as trade secrets.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

In case of eye contact Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Use appropriate eye protection.

If swallowed Drink water and induce vomiting.

Personal protective equipment for first-aid responders
None required

4.2 Most important symptoms/effects, acute and delayed

Product is not hazardous. No negative effects from exposure should be expected.

SECTION 5: Fire-fighting measures

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5.1 Suitable extinguishing media

Any available

5.2 Specific hazards arising from the chemical

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8 for PPE

6.2 Environmental precautions

Copper compounds are toxic to aquatic life.

6.3 Methods and materials for containment and cleaning up

Avoid release to environment. Copper compounds are toxic to aquatic life.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature in a closed container.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Normal Industrial Engineering Controls

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

Eye/face protection

None required

Skin protection

None required

Body protection

None required

Respiratory protection

None required

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form

Blue/Purple Liquid

Odor

Characteristic

Odor threshold

not available

pH

not available

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Melting point/freezing point	not available
Initial boiling point and boiling range	not available
Flash point	None
Evaporation rate	not available
Flammability (solid, gas)	not available
Upper/lower flammability limits	not available
Vapor pressure	not available
Vapor density	not available
Relative density	not available
Solubility(ies)	Complete In Water
Partition coefficient: n-octanol/water	not available
Auto-ignition temperature	not available
Decomposition temperature	
Viscosity	not available
Explosive properties	not available
Oxidizing properties	not available

SECTION 10: Stability and reactivity

10.1 Reactivity

Not Reactive

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

None

10.5 Incompatible materials

None

10.6 Hazardous decomposition products

None

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No Data Available

Skin corrosion/irritation

No Data Available

Serious eye damage/irritation

No Data Available

Respiratory or skin sensitization

No Data Available

Germ cell mutagenicity

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No Data Available

Carcinogenicity

No Data Available

Reproductive toxicity

No Data Available

STOT-single exposure

No Data Available

STOT-repeated exposure

No Data Available

Aspiration hazard

No Data Available

SECTION 12: Ecological information

Toxicity

LC 50 >0.1 <1 mg BY EPA.

Persistence and degradability

No Data Available

Bioaccumulative potential

No Data Available

Mobility in soil

No Data Available

Results of PBT and vPvB assessment

No Data Available

SECTION 13: Disposal considerations

Disposal of the product

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local water treatment plant.

Disposal of contaminated packaging

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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SECTION 15: Regulatory information

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

Massachusetts Right To Know Components

Chemical name: Cupric sulfate

CAS number: 7758-98-7

New Jersey Right To Know Components

Common name: CUPRIC SULFATE

CAS number: 7758-98-7

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid copper(2+) salt (1:1)

CAS number: 7758-98-7

HMIS Rating

Bronze Plating Solution	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

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