



CASWELL INC

Safety Data Sheet Zinc Brightener

SECTION 1: Identification

1.1 Product identifier

Product name	Zinc Brightener
Product number	ZNBRADD
Brand	Caswell

1.3 Recommended use of the chemical and restrictions on use

Electroplating Additive

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 Int# +01-813-248-0585

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram

Safety Data Sheet

Zinc Brightener



Signal word

Warning

Hazard statement(s)

H302
H316
H319

Harmful if swallowed
Causes mild skin irritation
Causes serious eye irritation

Precautionary statement(s)

P264
P270
P301+P312
P330
P501
P332+P313
P280
P305+P351+P338

P337+P313

Wash ... thoroughly after handling.
Do not eat, drink or smoke when using this product.
IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,
Rinse mouth.
Dispose of contents/container to ...
If skin irritation occurs: Get medical advice/attention.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Component 1 (trade secret)*

Concentration 100 % (volume)

Trade secret statement (OSHA 1910.1200(i))

Specific Chemical Names/and or Percentages Withheld as a Trade Secret per OSHA 1910.1200(i)

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	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	If swallowed, immediately induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical treatment.

Safety Data Sheet

Zinc Brightener

Personal protective equipment for first-aid responders
See section 8

4.2 Most important symptoms/effects, acute and delayed

Eye contact may produce diffuse or localized blood vessel clots and accumulation of fluid in the eye. Softening, sloughing and ulcerations of the cornea may occur, Ulcerations may progress for many days. Severe injury may result in clouding of the eye surface and blindness.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

None

5.3 Special protective actions for fire-fighters

Do not allow product or runoff to enter waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not allow product to enter water ways. See section 8 for PPE.

6.2 Environmental precautions

Do not allow product to enter waterways.

6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep container tightly closed in a dry and well-ventilated place.

7.2 Conditions for safe storage, including any incompatibilities

Store above 35 deg F and below 130 deg F
Keep away from strong oxidizers

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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

Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Safety Data Sheet

Zinc Brightener

Skin protection

Wear chemical resistant gloves and clothing.

Body protection

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

Not required

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Light Amber Liquid
Odor	Slight Pungent
Odor threshold	
pH	5.5-5.7
Melting point/freezing point	
Initial boiling point and boiling range	95.1 deg C - 105.1 deg C
Flash point	
Evaporation rate	Slower than n-butyl acetate
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	1.043
Solubility(ies)	Complete In Water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

Product does not contain Volatile Organic Compounds

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

None known

Safety Data Sheet

Zinc Brightener

10.5 Incompatible materials

Oxidizers, Strong Acids and Bases

10.6 Hazardous decomposition products

Oxides of carbon, nitrogen and sulfur

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not established

Skin corrosion/irritation

Mild

Serious eye damage/irritation

Eye contact may produce diffuse or localized blood vessel clots and accumulation of fluid in the eye. Softening, sloughing and ulcerations of the cornea may occur. Ulcerations may progress for many days. Severe injury may result in clouding of the eye surface and blindness.

Respiratory or skin sensitization

Irritating to mucous tissue. Prolonged exposure must be inspected by doctor.

SECTION 12: Ecological information

Toxicity

No studies are known on this product's effect on the environment, but it should be considered hazardous.

SECTION 13: Disposal considerations

Disposal of the product

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

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

SECTION 15: Regulatory information

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

SARA 311/312 Hazards

Safety Data Sheet

Zinc Brightener

Toxic Substances Control Act (TSCA) Inventory

HMIS Rating

Zinc Brightener	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

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