SECTION 1: Identification

1.1 Product identifier

Product name: Copy Cad/Zinc Part A

Product number: ZNA

Brand: Caswell

1.3 Recommended use of the chemical and restrictions on use

Zinc Electroplating

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 toxicity, oral (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram
Safety Data Sheet
Copy Cad/Zinc Part A

Signal word

Danger

Hazard statement(s)
H302  Harmful if swallowed
H314  Causes severe skin burns and eye damage
H400  Very toxic to aquatic life
H410  Very toxic to aquatic life with long lasting effects

Precautionary statement(s)
P264  Wash … thoroughly after handling.
P270  Do not eat, drink or smoke when using this product.
P301+P312  IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,
P330  Rinse mouth.
P501  Dispose of contents/container to …
P260  Do not breathe dust/fume/gas/mist/vapours/spray.
P280  Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331  IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353  IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363  Wash contaminated clothing before reuse.
P304+P340  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310  Immediately call a POISON CENTER/doctor/…
P321  Specific treatment (see … on this label).
P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P405  Store locked up.
P273  Avoid release to the environment.
P391  Collect spillage.

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Zinc chloride
Concentration 30 - 50 % (Volume)
EC no. 231-592-0
CAS no. 7646-85-7
Index no. 030-003-00-2

2. WATER OR OTHER NON-REPORTABLE INGREDIENTS
Concentration 50 - 70 % (Volume)
CAS no. 7732-18-5

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures
General advice
Corrosive. Harmful if swallowed. Affects cardiovascular system

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 and consult a physician.

If swallowed
Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

Personal protective equipment for first-aid responders
See section 8

4.2 Most important symptoms/effects, acute and delayed
Skin and eye burns. May cause delayed death occurring from strictures of the esophagus and pylorus. Repeated skin contact can cause varying degrees of problems ranging from dermatitis to ulcerations. Repeated inhalation can cause occupational asthma.

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
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
See section 8

6.2 Environmental precautions
Hazardous to the environment. Do not allow runoff to enter environment.

6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

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

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Zinc chloride fume (CAS: 7646-85-7)
   PEL (Inhalation): 1 mg/m³ (OSHA)
   OSHA Annotated Table Z-1, www.osha.gov

2. Zinc chloride fume (CAS: 7646-85-7)
   PEL (Inhalation): 1 mg/m³, (ST) 2 mg/m³ (Cal/OSHA)
   OSHA Annotated Table Z-1, www.osha.gov

3. Zinc chloride fume (CAS: 7646-85-7)
   REL (Inhalation): 1 mg/m³, (ST) 2 mg/m³ (NIOSH)
   OSHA Annotated Table Z-1, www.osha.gov

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).

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

   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
   NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- Appearance/form (physical state, color, etc.): Brown Liquid Slurry
- Odor: Slight almond odor
- Odor threshold
- pH: 4
- Melting point/freezing point: Not available
- Initial boiling point and boiling range: Not available
- Flash point
- Evaporation rate: Not available
- Flammability (solid, gas): Not flammable
- Upper/lower flammability limits
- Vapor pressure
- Vapor density: Not available
- Relative density: Not available
- Solubility(ies): Complete In Water
SECTION 10: Stability and reactivity

10.1 Reactivity
Not reactive

10.2 Chemical stability
Stable

10.4 Conditions to avoid
Contact with incompatible materials.

10.5 Incompatible materials
Cyanides and sulfides. Powdered Zinc

10.6 Hazardous decomposition products
When heated to decomposition, toxic fumes or chlorine and zinc oxide may be emitted.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Toxic. May cause irritation or corrosion of the gastrointestinal tract with abdominal pain, nausea, vomiting. May cause delayed death occurring from strictures of the esophagus and pylorus.

Skin corrosion/irritation
Contact may cause skin burns.

Serious eye damage/irritation
Causes eye burns.

Respiratory or skin sensitization
Destructive to tissues of mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Carcinogenicity
Not a carcinogen

SECTION 12: Ecological information

Toxicity
Hazardous to the environment.
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
Dispose of as unused product.

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

Massachusetts Right To Know Components
Chemical name: Zinc chloride
CAS number: 7646-85-7

New Jersey Right To Know Components
Common name: ZINC CHLORIDE
CAS number: 7646-85-7

Pennsylvania Right To Know Components
Chemical name: Zinc chloride
CAS number: 7646-85-7

HMIS Rating

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NFPA Rating

SECTION 16: Other information
16.1 Further information/disclaimer

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