



CASWELL AUSTRALIA

## Safety Data Sheet Copy Cad/Zinc Part B

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### SECTION 1: Identification

#### 1.1 Product identifier

Product name	Copy Cad/Zinc Part B
Product number	ZNB
Brand	Caswell

#### 1.3 Recommended use of the chemical and restrictions on use

Zinc Electroplating

#### 1.4 Supplier's details

Name	Caswell Australia
Address	1 / 51 ELM PARK DRIVE HOPPERS CROSSING VICTORIA 3029
Telephone	03 9741 7103
email	sales@caswellplating.com.au

#### 1.5 Emergency phone number(s)

**0 0 0**

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### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

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

#### 2.2 GHS label elements, including precautionary statements

Pictogram



# Safety Data Sheet

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### Signal word

### Danger

### Hazard statement(s)

H302

H319

Harmful if swallowed

Causes serious eye irritation

### Precautionary statement(s)

P264

P270

P301+P312

P330

P501

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 ...

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.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. POTASSIUM CHLORIDE

Concentration

65 - 75 %

CAS no.

7447-40-7

##### 2. Ammonium chloride

Concentration

25 - 25 %

EC no.

235-186-4

CAS no.

12125-02-9

Index no.

017-014-00-8

- Acute toxicity (chapter 3.1), Cat. 4

- Eye damage/irritation (chapter 3.3), Cat. 2

H302

Harmful if swallowed

H319

Causes serious eye irritation

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## 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.

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In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
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

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### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Any available

#### 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.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate PPE when cleaning any spill

#### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. For personal protection see section 8.

#### 7.2 Conditions for safe storage, including any incompatibilities

Hygroscopic. Incompatible with  $\text{KMnO}_4$ ,  $\text{H}_2\text{SO}_4$ ,  $\text{BrF}_3$  and  $\text{BrCl}_3$ . May react violently with  $\text{BrF}_3$

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### 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).

##### Skin protection

Wear chemical resistant gloves and clothing.

##### Body protection

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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.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	White Powder
Odor	Acrid
Odor threshold	
pH	~5
Melting point/freezing point	Melts at 770 deg C
Initial boiling point and boiling range	142 deg C
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	
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

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not reactive

### 10.2 Chemical stability

Stable

### 10.5 Incompatible materials

Acids and oxidizing agents

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Oral LD50: 1500 mg/kg (mouse)

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### **Skin corrosion/irritation**

May irritate skin

### **Serious eye damage/irritation**

May irritate eyes

### **Respiratory or skin sensitization**

May irritate respiratory tract

### **Germ cell mutagenicity**

Mutagenic for mammalian somatic cells, bacteria and yeast.

### **Carcinogenicity**

Not a carcinogen

### **STOT-repeated exposure**

May cause damage to blood and cardiovascular system.

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## **SECTION 12: Ecological information**

### **Toxicity**

Does not contain a chemical with known ecotoxicity.

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## **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.

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## **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: Ammonium chloride

CAS number: 12125-02-9

#### **New Jersey Right To Know Components**

Common name: AMMONIUM CHLORIDE

CAS number: 12125-02-9

#### **Pennsylvania Right To Know Components**

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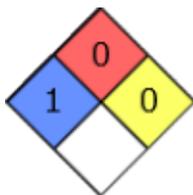
Chemical name: Ammonium chloride

CAS number: 12125-02-9

### HMIS Rating

Copy Cad/Zinc Part B	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

### NFPA Rating



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## SECTION 16: Other information

### 16.1 Further information/disclaimer

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