



**CASWELL INC**

## **Safety Data Sheet Electroless Nickel END**

---

### **SECTION 1: Identification**

#### **1.1 Product identifier**

|                |                        |
|----------------|------------------------|
| Product name   | Electroless Nickel END |
| Product number | ELECEND                |
| Brand          | Caswell                |

#### **1.2 Other means of identification**

Electroless Nickel Disposal Liquid

#### **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<br>Lyons, NY 14489<br>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**

Not a hazardous substance or mixture.

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

Not a hazardous substance or mixture.

#### **2.3 Other hazards which do not result in classification**

Not a hazardous substance or mixture.

# Safety Data Sheet

## Electroless Nickel END

---

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

##### Hazardous components

##### 1. WATER OR OTHER NON-REPORTABLE INGREDIENTS

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

---

### 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

#### 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

Product is not hazardous. Clean up using available means.

#### 6.2 Environmental precautions

None

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

Any

# Safety Data Sheet

## Electroless Nickel END

---

### 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.

---

### SECTION 8: Exposure controls/personal protection

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

##### Pictograms



##### 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

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

---

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

|   |                 |
|---|-----------------|
| Appearance/form                         | Clear Liquid    |
| Odor                                    | None            |
| Odor threshold                          | Not Established |
| pH                                      | Not Established |
| Melting point/freezing point            | Not Established |
| Initial boiling point and boiling range | 212 deg F       |
| Flash point                             | Not Flammable   |
| Evaporation rate                        | Not Established |
| Flammability (solid, gas)               | None            |
| Upper/lower flammability limits         | Not Established |
| Vapor pressure                          | Not Established |
| Vapor density                           | Not Established |
| Relative density                        | 1.2             |
| Solubility(ies)                         | Fully In Water  |
| Partition coefficient: n-octanol/water  | Not Established |
| Auto-ignition temperature               | n/a             |
| Decomposition temperature               |                 |
| Viscosity                               |                 |
| Explosive properties                    |                 |
| Oxidizing properties                    |                 |

---

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

# Safety Data Sheet

## Electroless Nickel END

Not reactive

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

None Known

### 10.4 Conditions to avoid

None Known

### 10.5 Incompatible materials

None Known

### 10.6 Hazardous decomposition products

None Known

---

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not Established

#### Skin corrosion/irritation

Not Established

#### Serious eye damage/irritation

Not Established

#### Respiratory or skin sensitization

Not Established

#### Germ cell mutagenicity

Not Established

#### Carcinogenicity

Not Established

#### Reproductive toxicity

Not Established

#### STOT-single exposure

Not Established

#### STOT-repeated exposure

Not Established

#### Aspiration hazard

Not Established

---

## SECTION 12: Ecological information

### Toxicity

# Safety Data Sheet

## Electroless Nickel END

Not Established

---

### 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

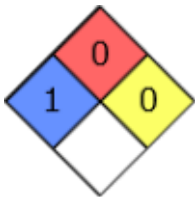
---

### SECTION 15: Regulatory information

#### HMIS Rating

| Electroless Nickel END |   |
|------------------------|---|
| HEALTH                 | 1 |
| FLAMMABILITY           | 0 |
| PHYSICAL HAZARD        | 0 |
| PERSONAL PROTECTION    | B |

#### 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.