



**CASWELL INC**

**Safety Data Sheet  
Electroless KROME Part C**

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**SECTION 1: Identification**

**1.1 Product identifier**

Product name	Electroless KROME Part C
Product number	ELEKRC
Brand	Caswell

**1.2 Other means of identification**

Electroless Cobalt Part C  
Electroless Nickel/Cobalt Part C

**1.4 Supplier's details**

Name	Caswell Inc	Supplied in Australia by Caswell Australia
Address	7696 Route 31 Lyons NY 14489 USA	Factory 1, 51 ELM PARK DRIVE HOPPERS CROSSING, VICTORIA 3029 Ph 03 9741 7103 EMERGENCY 0 0 0
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

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**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.

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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

##### Hazardous components

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

Concentration 68 - 68 %

##### 2. Sodium hypophosphite

Concentration 30 - 30 %

CAS no. 7681-53-0

##### 3. Sodium hydroxide liquid

Concentration 2 - 2 %

EC no. 215-185-5

CAS no. 1310-73-2

Index no. 011-002-00-6

##### Trade secret statement (OSHA 1910.1200(i))

Specific chemical names and formulas have been omitted as a trade secret under OSHA 1910.1200.

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### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention
If inhaled	Assure fresh air breathing. Allow the victim to rest.
In case of skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
In case of eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Personal protective equipment for first-aid responders	None required

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### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

#### 5.3 Special protective actions for fire-fighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

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

Use chemically protective clothing.

#### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 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.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

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

Keep only in the original container in a cool, well ventilated place away from : incompatible materials. Keep container closed when not in use. Incompatible products: Oxidizing agent. Strong acids.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### 1. Sodium hydroxide (CAS: 1310-73-2)

PEL (Inhalation): 2 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): (C) 2 mg/m<sup>3</sup> (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): (C) 2 mg/m<sup>3</sup> (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 8.2 Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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

##### Eye/face protection

Chemical goggles or safety glasses.

##### Skin protection

Wear protective gloves.

##### 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

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Wear appropriate mask.

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### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear Liquid
Odor	Odorless
Odor threshold	
pH	5.4 to 5.8
Melting point/freezing point	
Initial boiling point and boiling range	212 deg F
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	1.195
Solubility(ies)	Water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

None

#### 10.2 Chemical stability

Not Established

#### 10.3 Possibility of hazardous reactions

Not Established

#### 10.4 Conditions to avoid

Extremely high or low temperatures.

#### 10.5 Incompatible materials

Strong Acids. Strong Bases.

#### 10.6 Hazardous decomposition products

None

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Sodium Hypophosphite: Oral LD50: 7640 mg/kg

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## Electroless Nickel Part C

### **Skin corrosion/irritation**

Not Classified

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

Not Classified

### **Respiratory or skin sensitization**

Not Classified

### **Germ cell mutagenicity**

Not classified

### **Carcinogenicity**

Not classified

### **Reproductive toxicity**

Not classified

### **STOT-single exposure**

Not classified

### **STOT-repeated exposure**

Not classified

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## **SECTION 12: Ecological information**

### **Toxicity**

Not Established

### **Persistence and degradability**

Not Established

### **Bioaccumulative potential**

Not Established

### **Mobility in soil**

Not Established

### **Results of PBT and vPvB assessment**

Not Established

### **Other adverse effects**

Avoid release to the environment.

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## **SECTION 13: Disposal considerations**

### **Disposal of the product**

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.

### **Disposal of contaminated packaging**

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.

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### Waste treatment

Avoid release to the environment.

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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: Sodium hydroxide

CAS number: 1310-73-2

#### New Jersey Right To Know Components

Common name: SODIUM HYDROXIDE

CAS number: 1310-73-2

#### Pennsylvania Right To Know Components

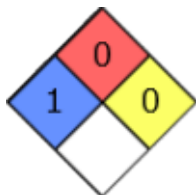
Chemical name: Sodium hydroxide

CAS number: 1310-73-2

### HMIS Rating

Electroless Nickel Part C	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

### NFPA Rating



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## 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

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