



CASWELL INC

Safety Data Sheet Electroless Nickel Part C

SECTION 1: Identification

1.1 Product identifier

| | |
|----------------|---------------------------|
| Product name | Electroless Nickel Part C |
| Product number | ELECC |
| 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 |
| 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

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.

SECTION 3: Composition/information on ingredients

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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.

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 |

SECTION 5: Fire-fighting measures

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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.

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.

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.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

PEL (Inhalation): 2 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

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

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PEL (Inhalation): (C) 2 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

3. Sodium hydroxide (CAS: 1310-73-2)

REL (Inhalation): (C) 2 mg/m³ (NIOSH)
OSHA Annotated Table Z-1, 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

Wear appropriate mask.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|---|--------------|
| Appearance/form | 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 | |

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| | |
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| Vapor density | |
| Relative density | 1.195 |
| Solubility(ies) | Water |
| Partition coefficient: n-octanol/water | |
| Auto-ignition temperature | |
| Decomposition temperature | |
| Viscosity | |
| Explosive properties | |
| Oxidizing properties | |

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

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Sodium Hypophosphite: Oral LD50: 7640 mg/kg

Skin corrosion/irritation

Not Classified

Serious eye damage/irritation

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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

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.

SECTION 13: Disposal considerations

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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.

Waste treatment

Avoid release to the environment.

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: 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

| |
|---------------------------|
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| | |
|---------------------|---|
| 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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