



CASWELL INC

Safety Data Sheet EZ-PLATE ELECTROLES NICKEL

SECTION 1: Identification

1.1 Product identifier

Product name	EZ-PLATE ELECTROLES NICKEL
Product number	EZP
Brand	CASWELL

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

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Sensitization, respiratory (C.4.6), Cat. 1
- Germ cell mutagenicity (C.4.8), Cat. 2
- Carcinogenicity (C.4.9), Cat. 1A
- Toxic to reproduction (C.4.10), Cat. 1B
- Specific target organ toxicity (repeated exposure) (C.4.12), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram

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Signal word

Danger

Hazard statement(s)

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects [route]
H350	May cause cancer [route]
H360	May damage fertility or the unborn child [effect, route]
H372	Causes damage to organs [organs] through prolonged or repeated exposure [route]

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P284	[In case of inadequate ventilation] wear respiratory protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P501	Dispose of contents/container to ...
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P314	Get medical advice/attention if you feel unwell.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. WATER AND/OR NON-REPORTABLE INGREDIENTS

Concentration	85 - 95 % (weight)
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2. NICKEL SULFATE HEXAHYDRATE

Concentration	5 - 15 % (weight)
CAS no.	10101-97-0

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Seek immediate medical advice.
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If inhaled	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention. In case of unconsciousness place patient stably in side position for transportation.
In case of skin contact	Immediately wash with water and soap and rinse thoroughly. If skin irritation occurs, consult a doctor.
In case of eye contact	Rinse opened eye for at least 15 minutes under running water. If easy to do so, remove contact lenses if worn. If eye irritation occurs, consult a doctor.
If swallowed	Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical attention or contact poison control center immediately.
Personal protective equipment for first-aid responders	No further relevant information available.

4.2 Most important symptoms/effects, acute and delayed

No further relevant information available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No further relevant information available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

CO₂, sand, dry chemical, water mist or alcohol resistant foam

5.2 Specific hazards arising from the chemical

No further relevant information available

5.3 Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers, surface or ground water.

6.3 Methods and materials for containment and cleaning up

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated materials as waste according to item 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear protective equipment.
Avoid contact with skin, eyes and clothing.
Ensure good ventilation/exhaustion at the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry place in tightly closed receptacles.
Store away from direct sunlight.
Maintain air gap between stacks/pallets.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Pictograms



Body protection

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the

Respiratory protection

Suitable respiratory protective device recommended

Environmental exposure controls

Keep away from drains, surface and ground waters.
Avoid release into the environment.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Green Liquid
Odor	None
Odor threshold	
pH	5.8
Melting point/freezing point	
Initial boiling point and boiling range	105 deg C
Flash point	Not applicable
Evaporation rate	Not applicable

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Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	Not applicable
Vapor pressure	≤23 hPa
Vapor density	1.2 g/cm ³
Relative density	
Solubility(ies)	Fully miscible.
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	DOES NOT CONTAIN VOC'S

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

No further relevant information available.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No further relevant information available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

10101-97-0 Nickel(II) sulfate hexahydrate

Oral LD50 361 mg/kg (Rat)

Inhalative LC50/4 h 2.48 mg/l (Rat)

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity

Suspected of causing genetic defects.

Carcinogenicity

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May cause cancer by inhalation.

Reproductive toxicity

May damage the unborn child.

SECTION 12: Ecological information

Toxicity

No further relevant information available.

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

Results of PBT and vPvB assessment

No further relevant information available.

SECTION 13: Disposal considerations

Disposal of the product

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Observe all regulations when disposing of this material.

Disposal of contaminated packaging

Disposal must be made according to official regulations.

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

New Jersey Right To Know Components

Common name: NICKEL SULFATE HEXAHYDRATE

CAS number: 10101-97-0

California Prop. 65 components

Chemical name: NICKEL SULFATE HEXAHYDRATE

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CAS number: 10101-97-0
05/07/2004 - Cancer

15.2 Chemical Safety Assessment

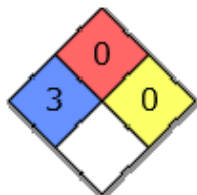
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

HMIS Rating

EZ-PLATE ELECTROLES NICKEL	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	F

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

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