



CASWELL INC

Safety Data Sheet Boron Nitride Concentrate Part A

SECTION 1: Identification

1.1 Product identifier

Product name	Boron Nitride Concentrate Part A
Product number	BNENA
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

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Carcinogenicity (chapter 3.6), Cat. 2
- Sensitization, skin (chapter 3.4), Cat. 1
- Sensitization, respiratory (chapter 3.4), Cat. 1
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram

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Signal word

Danger

Hazard statement(s)

H302	Harmful if swallowed
H351	Suspected of causing cancer
H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,
P330	Rinse mouth.
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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P321	Specific treatment (see ... on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
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/...
P273	Avoid release to the environment.
P391	Collect spillage.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. NICKEL (II) SULFATE

Concentration	< 92 %
EC no.	232-104-9
CAS no.	7786-81-4
Index no.	028-009-00-5

- Carcinogenicity (chapter 3.6), Cat. 2
- Acute toxicity (chapter 3.1), Cat. 4

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- Sensitization, respiratory (chapter 3.4), Cat. 1
- Sensitization, skin (chapter 3.4), Cat. 1
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1

H302	Harmful if swallowed
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2. WATER OR OTHER NON-REPORTABLE INGREDIENTS

Concentration	8 %
CAS no.	7732-18-5

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Remove to fresh air. Monitor the patient for respiratory distress.
In case of skin contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Do not reuse until thoroughly cleaned. If irritation persists, seek medical attention.
In case of eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.
If swallowed	Induce vomiting if the victim is alert. Never give anything by mouth to an unconscious person. Call a physician.
Personal protective equipment for first-aid responders	See section 8

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water fog, dry chemical or carbon dioxide

5.2 Specific hazards arising from the chemical

When heated to decomposition toxic fumes and metal oxides may be emitted.

5.3 Special protective actions for fire-fighters

Not a fire hazard. Wear self-contained breathing apparatus/protective clothing. Never allow run-off to

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enter sewers or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See section 8

6.2 Environmental precautions

Do not allow product to enter water source.

6.3 Methods and materials for containment and cleaning up

Absorb material using a non-combustible sorbent such as flyash, clay or cement powder. Sweep up all spilled material and place in marked disposal containers.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Eye wash/ shower facilities should be in close proximity.

7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature in a closed container.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. NICKEL (II) SULFATE (CAS: 7786-81-4 EC: 232-104-9)

PEL-C (Inhalation): 1mg/m³ (OSHA)

8.2 Appropriate engineering controls

Eye wash/ shower facilities should be in close proximity.

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

Pictograms



Eye/face protection

Chemical safety splash goggles.

Skin protection

Apron and impervious chemical resistant gloves (Neoprene, Nitrile, Latex, PVC).

Body protection

Apron and impervious chemical resistant gloves (Neoprene,

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Nitrile, Latex, PVC).

Respiratory protection

MSHA/NIOSH approved respirator, following manufacturer's recommendations should be used as a precautionary measure where airborne contaminants may occur.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear Green Liquid
Odor	None
Odor threshold	
pH	3.1-3.7
Melting point/freezing point	
Initial boiling point and boiling range	212 deg F
Flash point	
Evaporation rate	
Flammability (solid, gas)	Not Flammable
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	1.290 - 1.320
Solubility(ies)	Complete in water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Irritation of mucous membranes of the nose/mouth/throat may occur.

Skin corrosion/irritation

May cause irritation and damage to the skin. May cause sensitization or allergic reaction.

Serious eye damage/irritation

Chemical irritation. Intense watering of the eyes will occur. Inflammation of the conjunctiva will occur.

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Respiratory or skin sensitization

Hypersensitivity to nickel is common and can cause allergic contact dermatitis, pulmonary asthma, conjunctivitis, and inflammatory reactions around nickel-containing implants and prostheses.

Carcinogenicity

Nickel and nickel compounds are listed as reasonably anticipated to be carcinogens (sufficient evidence of carcinogenicity from studies on experimental animals).

SECTION 12: Ecological information

Toxicity

Not Available

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

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Nickel sulfate

CAS number: 7786-81-4

New Jersey Right To Know Components

Common name: NICKEL SULFATE

CAS number: 7786-81-4

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid, nickel(2+) salt (1:1)

CAS number: 7786-81-4

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California Prop. 65 components

Chemical name: NICKEL (II) SULFATE

CAS number: 7786-81-4

05/07/2004 - Cancer

HMIS Rating

Boron Nitride Concentrate Part A	
HEALTH	* 2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

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