



CASWELL INC

Safety Data Sheet Boron Nitride Concentrate Part C

SECTION 1: Identification

1.1 Product identifier

Product name	Boron Nitride Concentrate Part C
Product number	BNENB
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
- Skin corrosion/irritation (chapter 3.2), Cat. 3

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

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H302 Harmful if swallowed
H316 Causes mild skin irritation

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 ...
P332+P313 If skin irritation occurs: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. WATER OR OTHER NON-REPORTABLE INGREDIENTS

Concentration 70 %
CAS no. 7732-18-5

2. Sodium hypophosphite

Concentration 27 %
CAS no. 7681-53-0

3. Ammonium hydroxide (10-35% NH₃)

Concentration < 5 %
EC no. 215-647-6
CAS no. 1336-21-6
Index no. 007-001-01-2

- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1

H314 Causes severe skin burns and eye damage
H400 Very toxic to aquatic life

4. LEAD POWDER

Concentration 0.035 %
CAS no. 7439-92-1

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

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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

Give large quantities of water to drink. Do not induce vomiting. 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 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. Ammonium hydroxide (10-35% NH₃) (CAS: 1336-21-6 EC: 215-647-6)

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PEL-TWA (Inhalation): 50ppm (OSHA)

2. Lead inorganic (as Pb);, see 1910.1025 (CAS: 7439-92-1)

PEL (Inhalation): 0.05 mg/m³, See Section 5198 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

3. Lead inorganic (as Pb);, see 1910.1025 (CAS: 7439-92-1)

REL (Inhalation): 0.05 mg/m³, See Appendix C (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

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, 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 Water White Liquid
Odor	Ammonia
Odor threshold	
pH	9-11
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	1.120 - 1.140
Solubility(ies)	Complete in water
Partition coefficient: n-octanol/water	

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Auto-ignition temperature
Decomposition temperature
Viscosity
Explosive properties
Oxidizing properties

SECTION 10: Stability and reactivity

10.1 Reactivity

Not Reactive

10.2 Chemical stability

Stable

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation

May cause skin irritation

Serious eye damage/irritation

May cause burns and /or irritation.

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: Ammonium hydroxide

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CAS number: 1336-21-6

New Jersey Right To Know Components

Common name: AMMONIUM HYDROXIDE

CAS number: 1336-21-6

Pennsylvania Right To Know Components

Chemical name: Ammonium hydroxide

CAS number: 1336-21-6

Massachusetts Right To Know Components

Chemical name: Lead

CAS number: 7439-92-1

New Jersey Right To Know Components

Common name: LEAD

CAS number: 7439-92-1

Pennsylvania Right To Know Components

Chemical name: Lead

CAS number: 7439-92-1

California Prop. 65 components

Chemical name: LEAD POWDER

CAS number: 7439-92-1

02/27/1987 - developmental, female, male

10/01/1992 - Cancer

HMIS Rating

Boron Nitride Concentrate Part C	
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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