



Address: 3158 S. Chrysler Ave., Tucson, AZ 85713
Tel: 1-520-514-1100 Fax: 1-520-747-4024
<http://www.advaluetech.com> Email: sales@advaluetech.com

Section 1: Product and Company Identification

Product Name: Hexagonal boron nitride

Product Number Brand: BN Powder

Emergency Phone Number: 1-520-514-1100

Contact Information:

AdValue Technology, LLC

3158 S. Chrysler Ave.,

Tucson, AZ 85713

United States

Tel: 1-520-514-1100

Fax: 520-747-4024

Email: sales@advaluetech.com

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Section 2: Hazards Identification

Emergency Overview

OSHA Hazards

No Known OSHA Hazards

HMIS Classification

Health Hazard: 0

Flammability: 0

Physical hazards: 0

NFPA Rating

Health Hazard: 0

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation. Ingestion May be harmful if swallowed.

Section 3: Composition/Information on Ingredients

Formula: BN

Molecular Weight: 24.82 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
Boron nitride			
10043-11-5	233-136-6	-	-

Section 4: First-Aid Measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire -Fighting Measures

Flammable properties

Flash point not applicable
Ignition temperature no data available

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental Precautions	Do not let product enter drains.
Methods for Cleaning up	Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place. hygroscopic

Section 8: Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses with side-shields conforming to EN166

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Appearance

Form : Powder

Color: Beige

Safety data

pH	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Density	2.29 g/mL at 25 °C (77 °F)
Water solubility	no data available

Section 10: Stability and Reactivity

Storage Stability	Stable under recommended storage conditions
Conditions to Avoid	Avoid moisture
Materials to avoid	Strong oxidizing agents
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - nitrogen oxides (NOx)

Section 11: Toxicological Information

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

Additional Information

RTECS: ED7800000

Section 12: Ecological Information

Elimination information (persistence and degradability)	no data available
Ecotoxicity effects	no data available
Further information on ecology	no data available

Section 13: Disposal Considerations

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

Section 14: Transport Information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section 15: Regulatory Information

OSHA Hazards

No known OSHA hazards

DSL Status

All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Boron nitride CAS-No. 10043-11-5 Revision Date

New Jersey Right To Know Components

Boron nitride CAS-No. 10043-11-5 Revision Date

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Section 16: Other Information

Further information

While AdValue Technology, LLC believes that the data and information contained herein are factual and the opinions are those of qualified experts, they are not to be taken as a warranty or representation for which AdValue Technology, LLC assumes any legal responsibility. They are offered solely for the consideration, investigation and verification be the user. It is the user's responsibility to determine the suitability of this product, data and information with the applicable laws and regulations.