



# Safety Data Sheet

## Boron Nitride (BN) Releasecoat Blue



Revision Date: 2020-11-04  
Revision 3

Classification Symbol(s)	Personal Protective Equipment (PPE)	Transport Symbols
	 	

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Commodity code** 07002 - RELEASEBLUE

**Product Name** Boron Nitride (BN) Releasecoat Blue

**Synonyms** BORON NITRIDE Releasecoat III , BORON NITRIDE Releasecoat III Blue, BORON NITRIDE Releasecoat Blue AP-2

**Product description** Boron nitride coating with slight blue color.

**Product use** Ready-to-use refractory coating.

#### Details of the supplier

ZYP Coatings  
120 Valley Court  
Oak Ridge TN 37830

Distributed by Pyrotek Pty. Ltd.  
147-149 Magowar Road  
Girraween  
NSW 2145  
Australia

Pyrotek (61) (0)2 8868 2000  
Email: SDS@pyrotek-inc.com REACH email: REACH@pyrotek-inc.com

**Emergency Telephone Number** CHEMTREC 1800 752 022 (24 hrs), Pyrotek Australia 1800 679 422

### 2. Hazards Identification

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

#### Precautionary statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection

#### Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash hands thoroughly after handling

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

#### Precautionary Statements - Storage

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Poison Schedule Number** Not applicable**3. Composition/information on Ingredients**

Chemical name	CAS No.	EC No	Weight-%	Classification based on individual ingredients of the mixture	Australia - NOHSC Labelling
Water	7732-18-5	231-791-2	> 60%		
Boron Nitride	10043-11-5	233-136-6	< 10%		

All other ingredients determined not to be hazardous according to GHS criteria

**4. First Aid Measures**

<b>General advice</b>	Not applicable.
<b>Inhalation</b>	If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off with soap and water. If skin irritation persists, call a physician.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Consult a physician if necessary.
<b>Aggravated Medical Conditions</b>	Not applicable.
<b>Notes to Physician</b>	Not applicable.
<b>For advice, contact Poisons Information Centre</b>	
In Australia, call Tel: 13 1126	
In New Zealand, call Tel: 034747000	

**5. Fire-Fighting Measures**

<b>Flammable properties</b>	Not flammable.
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding fire
<b>Unsuitable Extinguishing Media</b>	None known.
<b>Special exposure hazards in a fire</b>	Not applicable.
<b>Specific hazards arising from the chemical</b>	None known.
<b>Protective equipment and precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Australian Hazchem Code</b>	None known

**6. Accidental Release Measures**

<b>Personal precautions</b>	Use personal protective equipment.
<b>Environmental Precautions</b>	Do not allow material to contaminate ground water system.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material.
<b>Other Information</b>	Slippery, can cause falls if walked on.

## 7. Handling and Storage

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Store at room temperature in the original container. Do not freeze.
<b>Materials to avoid</b>	No materials to be especially mentioned.

## 8. Exposure Controls/Personal Protection

**Exposure Guidelines** No exposure limit allocated

### Biological standards

Chemical name	Health Surveillance
Water	No biological limit allocated
Boron Nitride	No biological limit allocated

### Occupational exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas when mist is present.

**Environmental exposure controls** Avoid dust formation.

### Personal Protective Equipment

Considerations to aid the user in PPE assessments in line with expected use follow below. However in certain circumstances the user must determine if additional protective equipment is required.

If exposure limits are exceeded or irritation is experienced, locally approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required if high airborne contaminant concentrations as a result of the use of the product. Proper skin and eye protection should also be determined by the user and provided in accordance with current local regulations.

<b>Eye Protection</b>	Safety glasses with side-shields
<b>Respiratory protection</b>	Respiratory protection is not necessary at normal handling. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>Skin Protection</b>	Long sleeved clothing. Impervious gloves.
<b>General industrial hygiene practice</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

<b>Physical state</b>	Liquid	<b>Appearance</b>	Coating
<b>Color</b>	blue	<b>Odor</b>	Odorless
<b>pH - VALUE 1</b>	6-7	<b>Solubility(ies)</b>	Miscible
<b>Water solubility</b>	Miscible in water	<b>Specific gravity - VALUE 1</b>	1.02
<b>Vapor pressure @20 °C (kPa)</b>	10-20 mmHg	<b>Vapor density</b>	No data available
<b>Boiling point / boiling range</b>	100 °C	<b>Melting point/range</b>	0 °C 30 °F
<b>Flash point</b>	No data available	<b>Autoignition temperature</b>	No data available
<b>Upper explosion limit</b>	No data available	<b>Lower explosion limit</b>	No data available

**Evaporation rate** Same as water

## 10. Stability and Reactivity

**Stability** Stable under normal conditions.

**Conditions to Avoid** Not applicable.

**Materials to avoid** No materials to be especially mentioned.

**Hazardous Decomposition Products** Not applicable.

**Possibility of Hazardous Reactions** Not applicable

## 11. Toxicological Information

**Local effects** Not applicable.

**Target organ effects** Not applicable.

**Acute Toxicity**

**Potential Health Effects**

**Inhalation** May cause irritation of respiratory tract.

**Eye Contact** Contact with eyes may cause irritation.

**Skin Contact** May cause sensitization by skin contact.

**Ingestion** May cause slight irritation.

**Specific effects**

**Carcinogenic effects** Not applicable.

**Mutagenic effects** Not applicable.

**Reproductive Toxicity** Not applicable.

## 12. Ecological Information

**Ecotoxicity effects** None known.

Boron Nitride  
Fish *100 mg/L: 96 h Oncorhynchus mykiss mg/L LC50 static*

**Persistence and degradability** None known

**Mobility in Environmental Media** None known

**Bioaccumulation** None known

## 13. Disposal Considerations

**Waste disposal methods** Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. Transport Information

Not regulated for transport.

## 15. Regulatory Information

### International Inventories

Chemical name	EINECS	ELINCS	PICCS	ENCS	DSL	NDSL	TSCA	China	AICS	KECL
Water	X		X	X	X		X	X	X	X
Boron Nitride	X		X	X	X		X	X	X	X

**Carcinogenic substances**                      Not Listed

## 16. Other Information

**Revision Date:**                                      2020-11-04

**Reason for Revision**                              Routine review with applicable updates to better reflect product.

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**Literary reference**                                      Information taken from reference works and the literature.

### Key Legend Information

SWA - Safe Work Australia (formerly ASCC - Australian Safety and Compensation Council and NOHSC - National Occupational Health & Safety Commission)

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances [Aust]

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2004)[Aust]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

Hazchem Code - Fire fighters designation [Aust]

IATA - International Aviation Transport Authority [Int]

IMDG - International Maritime Dangerous Goods [Int]

ADR/RID - European Road & Rail Transportation Union - [Int]

GHS - United Nations Globally Harmonized System for the classification and labelling of Chemicals [Int]

EINECS - European Inventory of Existing Commercial Chemical Substances [Int]

ELINCS - European List of Notified Chemical Substances [Int]

EU - European Union [Int]

[Aust/NZ] = Australian New Zealand

[Int] = International

**End of SDS**