

## Safety Data Sheet

### 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product Identifiers

Product Name: **Bis(pinacolato)diboron**

Product Code: BM002

CAS-No.: 73183-34-3

1.2 (4,4,4',4',5,5,5',5'-octamethyl-2,2'-bi(1,3,2-dioxaborolane)

#### 1.3 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory chemicals, Manufacture of substances

#### 1.4 Details of the supplier of the safety data sheet

Company	Boron Molecular Pty Ltd
Address	500 Princes Hwy (PO Box 756), Noble Park, Vic, 3174 Australia
Telephone Number	+61 3 8558 8000
Emergency Telephone Number	+1 703 527 3887 (Chemtrec) +61 413 777887, +61 412 191161 (Australia)

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

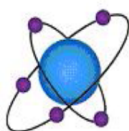
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

Not a hazardous substance or mixture.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Synonyms	4,4,4',4',5,5,5',5'-octamethyl-2,2'-bi(1,3,2-dioxaborolane)	
Formula	C <sub>12</sub> H <sub>24</sub> B <sub>2</sub> O <sub>4</sub>	
Molecular weight	253.9390	amu
CAS Number	73183-34-3	
Concentration	≥98%	

### 4 FIRST AID MEASURES

#### 4.1 Description of 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.

##### In case of skin contact

Wash off with soap and plenty of water.

##### In case of eye contact

Flush eyes with water as a precaution.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water

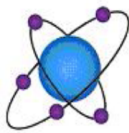
#### 4.2 SEEK IMMEDIATE MEDICAL ASSISTANCE IN ALL CASES

##### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### 4.3 Indication of any immediate medical attention and special treatment needed.

No data available



## 5 FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media  
Foam / Carbon dioxide / Dry powder

### 5.2 Special hazards arising from the substance or mixture

Not Determined – May include carbon monoxide, carbon dioxide, boron oxides, Nitrous Oxides &/or organic fumes.

### 5.3 Advise for firefighters

Wear self contained breathing apparatus for fire fighting if necessary

### 5.4 Further information

No data available

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation. For respiratory protection, wear a NIOSH/MSHA approved dust mask or self contained breathing apparatus.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Pickup and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours or mist. Use only with adequate ventilation

### 7.2 Conditions for safe storage, including any incompatibilities

Handle and store in a DRY closed system, preferably under DRY nitrogen.  
Storage conditions: Store  $\leq 25^{\circ}\text{C}$

### 7.3 Specific end uses

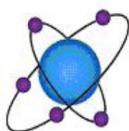
Apart from the uses mentioned in section 1.3, no other specific uses are stipulated.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No data available

### 8.2 Exposure controls



## Personal protective equipment

### Eye/face protection

Safety glass with side shields

### Skin protection

Handle with chemical resistant gloves. Gloves must be inspected before use.

### Body protection

Impervious clothing

### Respiratory protection

When inhalation of vapor or mist is possible, wear a NIOSH/MSHA approved dust mask or self-contained breathing apparatus with full face-piece operated in positive-pressure mode.

### Engineering controls

Eye wash and safety showers must be available and in good working order.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a)	Appearance (Color and Form)	White to off-white solid
b)	Odour	Not Determined
c)	Odour Threshold	Not Determined
d)	pH	Not Determined
e)	Melting Point	133-143
f)	Boiling Point	Not Determined
g)	Flashpoint	Not Determined
h)	Evaporation rate	Not Determined
i)	Flammability	Not Determined
j)	Upper/lower flammability or explosive limits	Not Determined
k)	Vapour Pressure	Not Determined
l)	Vapour density	Not Determined
m)	Relative density	Not Determined
n)	Water solubility	Not Determined
o)	partition coefficient:	Not Determined
p)	Autoignition temperature	Not Determined
q)	Decomposition temperature	Not Determined
r)	Viscosity	Not Determined
s)	Explosive properties	Not Determined
t)	Oxidizing properties	Not Determined

### 9.2 Other safety information

No data available

## 10 STABILITY AND REACTIVITY

### 10.1 Reactivity

Not Determined.



- 10.2 Chemical stability**  
Not Determined.
- 10.3 Possibility of hazardous reactions**  
Not Determined - Not expected to occur.
- 10.4 Conditions to avoid**  
Keep away from heat, sparks, and flame.
- 10.5 Incompatible materials**  
Strong Oxidisers
- 10.6 Hazardous decomposition products**  
Not Determined – May include carbon monoxide, carbon dioxide, boron oxides, Nitrous Oxides &/or organic fumes.

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

- |    |   |  |
|----|---|--|
| a) | Acute toxicity  | Not Determined.                                |
| b) | Skin corrosion/irritation                             | Not Determined.                                |
| c) | Serious eye damage                                    | Not Determined.                                |
| d) | Respiratory or skin sensitization                     | Not Determined.                                |
| e) | Germ cell mutagenicity                                | Not Determined.                                |
| f) | Carcinogenicity                                       | Not Determined.                                |
| g) | Reproductive toxicity                                 | Not Determined.                                |
| h) | Specific target organ toxicity<br>– single exposure   | Inhalation – May cause respiratory irritation. |
| i) | Specific target organ toxicity<br>– repeated exposure | Not Determined.                                |
| j) | Aspiration hazard                                     | Not Determined.                                |

## 12 ECOLOGICAL INFORMATION

- |      |                                    |                 |
|------|------------------------------------|-----------------|
| 12.1 | Toxicity                           | Not Determined. |
| 12.2 | Persistence                        | Not Determined. |
| 12.3 | Bioaccumulative potential          | Not Determined. |
| 12.4 | Mobility in soil                   | Not Determined. |
| 12.5 | Results of PBT and vPvB assessment | Not Determined. |
| 12.6 | Other adverse effects              | Not Determined. |

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state & local environmental regulations.

## 14 TRANSPORTATION INFORMATION

### 14.1 UN number

ADR/RID: N/A                      IMDG: N/A                      IATA-DGR: N/A

### 14.2 UN proper shipping name

ADR/RID: Not a dangerous good



IMDG: Not a dangerous good

IATA-DGR: Not a dangerous good

**14.3 Transport hazard class(es)**

ADR/RID: N/A      IMDG: N/A      IATA-DGR: N/A

**14.4 Packaging group**

ADR/RID: N/A      IMDG: N/A      IATA-DGR: N/A

**14.5 Environmental hazard**

ADR/RID: No      IMDG: No      IATA-DGR: No

**14.6 Special precautions for user**

Not Applicable

**15 REGULATORY INFORMATION**

Safety, health and environment regulations/legislation specific for the substance or mixture  
Not Applicable.

**16 OTHER INFORMATION**

Date of Preparation      25/02/2021  
Revision No.      9

**Disclaimer:**

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**THE END**