## Safety Data Sheet

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

#### 1.1 Product Identifiers

**Product Name:** cyanomethyl (3,5-Dimethyl-1H-pyrazole)-carbodithioate  
**Product Code:** BM1481  
**CAS-No.:** 1823403-92-4

#### 1.2 3,5-Dimethyl-pyrazole-1-carbodiithioic acid cyanomethyl ester

#### 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

**Skin irritation**  
**Eye irritation**

#### 2.2 Label elements

**Pictogram**

![Exclamation mark]

**Signal word**  
Warning

**Hazard statement(s)**

- **H315**  
  Causes skin irritation
- **H319**  
  Causes serious eye irritation
- **H335**  
  May cause respiratory irritation

**Prevention**

- **P261**  
  Avoid breathing dust/fume/gas/mist/vapors/spray
- **P264**  
  Wash skin thoroughly after handling
- **P280**  
  Wear protective gloves / protective clothes / eye protection / face protection

**Response**
P301+P310 IF SWALLOWED Immediately call Poison Centre or Physician
P302+P352 IF ON SKIN: Immediately flush skin with plenty of soap and water.
P305+P338+P351 IF IN EYES: Immediately flush eyes with plenty of water for at least 20 minutes.
P333+P313 If skin irritation or rash occurs: Get medical advice
P337+P313 If eye irritation persists: Get medical advice
P363 Wash contaminated clothing before reuse

2.3 Other hazards - none

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

<table>
<thead>
<tr>
<th>Synonyms</th>
<th>3,5-Dimethyl-pyrazole-1-carbdithioic acid cyanomethyl ester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula</td>
<td>C8H9N3S2</td>
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<tr>
<td>Molecular weight</td>
<td>211.3100 amu</td>
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<tr>
<td>CAS Number</td>
<td>1823403-92-4</td>
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<tr>
<td>Concentration</td>
<td>≥95%</td>
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</table>

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.

Ingestion
If swallowed do not induce vomiting. If Victim is conscious, wash out mouth with copious amounts of water. Seek immediate medical assistance.

Eye
Immediately flush eyes with plenty of water for at least 20 minutes while holding eyelids open.

Skin
Immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Dispose of contaminated clothing and shoes in compliance with all local, state and federal laws and regulations.

Inhalation
Remove affected person to fresh air. If not breathing, give artificial respiration & seek immediate medical attention. If breathing is difficult, give oxygen.

Chronic
No specific information available on toxicity or the effects of overexposure

SEEK IMMEDIATE MEDICAL ASSISTANCE IN ALL CASES

4.2 Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed.
No data available
## 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

## 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.

## 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 ≤ 25°C and protect from light

### 7.3 Specific end uses
- Apart from the uses mentioned in section 1.3, no other specific uses are stipulated.

## 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)  Pale yellow to tan solid
b) Odour  Not Determined
c) Odour Threshold  Not Determined
d) pH  Not Determined
e) Melting Point  Not Determined
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 Inhalation – May cause respiratory irritation.
   – single exposure
   i) Specific target organ toxicity Not Determined.
   – repeated exposure
   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 dangerous goods
**IMDG:** Not dangerous goods
**IATA-DGR:** Not dangerous goods

### 14.3 Transport hazard class(es)

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<tr>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA-DGR</th>
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<tbody>
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### 14.4 Packaging group

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### 14.5 Environmental hazard

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<tbody>
<tr>
<td>No</td>
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### 14.6 Special precautions for user

N/A

### 15 REGULATORY INFORMATION

Safety, health and environment regulations/legislation specific for the substance or mixture

Not Applicable.

### 16 OTHER INFORMATION

<table>
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<th>Revision No.</th>
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<td>9/03/2018</td>
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THE END