



1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : 3-Acetamidophenylboronic acid pinacol ester  
**Catalog Number** : A1006  
**Synonym** : 2'-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)acetanilide  
**Brand** : Northernchem  
**Product Use** : For laboratory research purposes  
**Manufacturer** : Northernchem Inc.  
 8485 Montrose Rd., Niagara Falls, Ontario, CANADA L2H 3L7  
 Phone : +1(905) 353-1500  
 Fax : +1(289) 975-5138  
**Supplier** : Northernchem Inc.  
 8485 Montrose Rd., Niagara Falls, Ontario, CANADA L2H 3L7  
 Phone : +1(905) 353-1500  
 Fax : +1(289) 975-5138  
**Emergency Phone** : +1(905) 650-1938

2. HAZARDS IDENTIFICATION

**WHMIS Classification**  
**D2B** Toxic Material Causing Other Toxic Effects Moderate skin irritant  
 Moderate respiratory irritant  
 Moderate eye irritant

**GHS Classification**  
**Skin irritation** Category 2  
**Eye irritation** Category 2A  
**Specific target organ toxicity** Category 3

GHS Label Elements, Including Precautionary Statements

Pictogram

Signal Word Warning

Hazard Statement(s)

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

Precautionary statement(s)

**P261** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health Hazard	2
Chronic Health Hazard	*
Flammability	0
Physical Hazards	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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula	: $C_{14}H_{20}BNO_3$
Molecular Weight	: 261.12 g/mol
CAS-No.	: 480424-93-9
EC-No.	: No data available
Purity	: >98%

### 4. FIRST AID MEASURES

General Advice	: Consult a physician. Show this SDS to the physician in attendance. Move out of dangerous area.
Inhalation	: Remove from exposure and move to fresh air immediately.
Skin Contact	: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Eye Contact	: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Ingestion	: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupful of milk or water.

### 5. FIREFIGHTING MEASURES

General Information	: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media	: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

### 6. ACCIDENTAL RELEASE MEASURES

General Information	: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks	: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for

disposal.

## 7. HANDLING AND STORAGE

- Handling** : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
- Storage** : Store in a well closed container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering control to control airborne levels.

### Personal Protective Equipment

**Eyes** : Wear safety glasses and chemical goggles if splashing is possible.

**Skin** : Wear appropriate protective gloves and clothing to prevent skin exposure:

**Clothing** : Wear appropriate protective clothing to minimize contact with skin

**Respirators** : Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode w emergency escape provisions.

**Hygiene Measures** : No data available

**Workplace Control Parameters** : No data available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form** : Solid
- Colour** : No data available
- pH** : No data available
- Melting Point/Freezing Point** : 172 - 176 °C (342 - 349 °F) - lit.
- Boiling Point** : No data available
- Flash Point** : No data available
- Ignition Temperature** : No data available
- Autoignition Temperature** : No data available
- Lower Explosion Limit** : No data available
- Upper Explosion Limit** : No data available
- Vapour Pressure** : No data available
- Density** : No data available
- Water Solubility** : No data available
- Partition Coefficient (n-octanol/water)** : No data available
- Relative Vapour Density** : No data available
- Odour** : No data available

**Odour Threshold** : No data available  
**Evaporation Rate** : No data available

## 10. STABILITY AND REACTIVITY

**Chemical Stability** : Stable under recommended storage conditions.  
**Possibility of Hazardous Reactions** : No data available  
**Conditions to Avoid** : No data available  
**Materials to Avoid** : Strong oxidizing agents.  
**Hazardous Decomposition Products** : Hazardous decomposition products formed under fire conditions. -  
 Carbon oxides, nitrogen oxides (NOx), Borane/boron oxides  
 Other decomposition products - no data available

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Oral LD<sub>50</sub>** : No data available  
**Inhalation LC<sub>50</sub>** : No data available  
**Dermal LD<sub>50</sub>** : No data available  
**Other Information** : No data available

### Skin Corrosion/Irritation

No data available

### Serious Eye Damage/Eye Irritation

No data available

### Respiratory or Skin Sensitisation

No data available

### Germ Cell Mutagenicity

No data available

### Carcinogenicity

**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.

### Reproductive Toxicity

No data available

### Teratogenicity

No data available

### Specific Target Organ Toxicity (Single Exposure)

Inhalation - May cause respiratory irritation.

### Specific target Organ Toxicity (Repeated Exposure)

No data available

### Aspiration Hazard

No data available

### Signs and Symptoms of Exposure

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

investigated.

### Synergistic Effects

No data available

### Additional Information

RTECS: Not available

## 12. ECOLOGICAL INFORMATION

### Toxicity

**Toxicity to Fish** : No data available

**Toxicity to Daphnia and other Aquatic Invertebrates** : No data available

**Toxicity to Algae** : No data available

### Persistence and Degradability

**Biodegradability** : No data available

### Bioaccumulative Potential

No data available

### Mobility in Soil

No data available

### PBT and vPvB Assessment

No data available

### Other Adverse Effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

### Contaminated Packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

### WHMIS Classification

**D2B**

Toxic Material Causing Other Toxic Effects

Moderate skin irritant

Moderate respiratory irritant

Moderate eye irritant

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

## 16. OTHER INFORMATION

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