

Frontier Specialty Chemicals Inc.

Safety Data Sheet

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<http://www.frontiersci.com>

1. PRODUCT IDENTIFICATION OF SUBSTANCE/MIXTURE AND SUPPLIER INFORMATION

Product form: Liquid
Product Name: Allylboronic acid pinacol ester
CAS No.: 72824-04-5
Formula: C₉H₁₇BO₂
FSCI Catalog #: A1648
Emergency Tel No: Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION---Label Information

Signal Word

Danger

Hazard Statement(s)

H226: Flammable liquid and vapour

H315: Causes skin irritation

H318: Causes serious eye damage

H335: May cause respiratory irritation



General Risk:

Avoid inhalation, contact with skin or eyes, and ingestion. Always use personal protective Equipment when handling this compound. (Additional information may be included in SDS)

Precautionary Statements

P233-Keep container tightly closed.
P233-Store in a well-ventilated place. Keep container tightly closed.
P235-Keep cool.
P240-Ground/bond container and receiving equipment.
P241-Use explosion-proof electrical/ventilating/lighting? &/equipment.
P242-Use only non-sparking tools.
P243-Take precautionary measures against static discharge.
P261-Avoid breathing dust/fume/gas/mist/vapor's/spray
P264-Wash hands thoroughly after handling.
P264-Wash skin thoroughly after handling
P271-Use only outdoors or in a well-ventilated area

Precautionary Statements Continued

P280-Wear protective gloves/protective clothing/eye protection/face
P302-IF ON SKIN Wash with plenty of soap and water
P303-IF ON SKIN (or hair)
P304-IF INHALED Remove victim to fresh air and keep at rest in a comfortable position for breathing.
P305-IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310-Immediately call a POISON CENTER or doctor/physician.
P312-Call a POISON CENTER or doctor/physician if you feel unwell.
P313-IF exposed or concerned: Get medical advice/attention.
P321-Specific treatment (see†& on this label).
P332-IF SKIN irritation occurs:
P338-Remove contact lenses, if present and easy to do. Continue rinsing.
P340-Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P351-Rinse cautiously with water for several minutes.
P352-Wash with plenty of soap and water.
P353-Rinse skin with water/shower.
P361-Remove/Take off immediately all contaminated clothing.
P362-Take off contaminated clothing and wash before reuse.
P370-In case of fire:
P378-Use†& for extinction.
P403-Protect from sunlight. Store in a well-ventilated place.
P501-Dispose of contents/container to appropriate regulated hazardous waste stream

3. COMPOSITION / Information on INGREDIENTS

Product Name: Allylboronic acid pinacol ester
CAS No.: 72824-04-5
Formula: C9H17BO2
Appearance: No data available

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. In cases of serious discomfort, seek medical attention. If not breathing, trained personnel should administer oxygen or artificial respiration.

Eye Contact: Flush with copious amounts of water for at least 20 minutes. Seek immediate medical Attention.

Skin Contact: Remove contaminated clothing. Rinse affected area with copious amounts of water. Rinse thoroughly. In case of skin damage or persistent irritation, seek immediate medical attention. Show the physician the container details.

Ingestion: Call a physician or poison control center immediately. Induce vomiting only if instructed to do so by medical personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Medium: Use firefighting measures which suit the environment and take into account other materials which may be involved. Use carbon dioxide or dry powder for fires involving this material. In general, water-based extinguishers are not recommended for fires involving organic materials.

Protective Equipment: Wear self-contained breathing apparatus and protective clothing. Most compounds emit toxic Gases when burning.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Avoid inhalation or contact of spilled material with skin or clothing. Wear protective clothing. Keep unprotected persons away.

Environmental Protection: Take precautions to ensure product does not contaminate the ground or enter the drainage system.

Collection: Contain or absorb, as appropriate. Minimize dust generation, where applicable. Dispose According to Section 13.

7. HANDLING AND STORAGE

Handling: Chemicals should be used only by those trained in handling potentially hazardous materials. Impervious gloves, eye protection and protective clothing should be worn. Operations Should be carried out in efficient fume hood or equivalent system. Avoid breathing or dust, Vapor, mist, or gas.

Storage: Store in a cool dry, well-ventilated area. Store in a tightly sealed container. Protect from moisture, heat, ignition sources, and incompatible substances. Protect from direct light. See stability and reactivity for more details on incompatible substances if available.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory: Avoid inhalation of product. Handle in an efficient fume hood or equivalent system. Keep unprotected persons away.

Eye: Protection: Avoid eye contact. Wear safety glasses, goggles or, for larger quantities, a full-face shield. system.

Hands and Body: Avoid skin contact. Wear Impervious gloves and, for larger quantities, a full arm and body protection. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	No data available
Boiling Point:	50-53 deg C
Melting Point:	Not specified
Water Solubility:	Not specified
Flash Point:	46 deg C
Formula Weight:	168.05
Density:	No data available
Lower Explosive Limit:	No data available

Physical and Chemical Properties Continued

Upper Explosive Limit:	No data available
PEL:	No data available
Auto Ignition Point:	No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity:	No data available
10.2 Chemical stability:	No data available
10.3 Possibility of hazardous reactions:	No data available
10.4 Conditions to avoid:	No data available
10.5 Incompatible materials:	No data available
10.6 Hazardous decomposition products other decomposition products	- No data available
10.7 Hazardous decomposition products formed under fire conditions.	- No data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects: The full toxicological effects of this compound have not been studied. However, as a minimum precaution, it should be considered to be harmful. Hazardous decomposition products may occur when this compound comes in contact with other chemicals, fire, or water.

Acute toxicity:	No data available
Skin corrosion/irritation:	No data available
Ames test Result:	No data available
Carcinogenicity IARC:	No data available
NTP:	No data available
OSHA:	No data available
Reproductive toxicity:	No data available

Toxicological information Continued:

Specific target organ toxicity: No data available

Single exposure Inhalation: No data available

Repeated exposure: No data available

Aspiration hazard: No data available

12. ECOLOGICAL EFFECTS

Take care to prevent chemicals from entering the ground, water bodies, or drainage systems.

13. DISPOSAL CONSIDERATIONS

Disposal should be carried out via an approved contractor according to all federal, state and local regulations.

14. TRANSPORT INFORMATION

UN Number: UN 1993

Packing Group: III

Hazard Class: Class 3

DOT: Ship Name: Flammable liquid, n.o.s (Allylboronic acid pinacol ester)

Other Information:

15. REGULATORY INFORMATION

U.S. Federal regulations: None available

**SARA 313 Reportable Chemicals
Form R – Reporting requirements**

Product name:

CAS/313 Category Codes

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16. OTHER INFORMATION

The information on this Safety Data Sheet is correct to the best knowledge as of the date of publication. This information should be used only as a guide and is not a guarantee of any specific properties. All chemicals should be handled by qualified personnel using proper handling precautions. FSCI cannot accept liability for any loss, damage, or injury that results from the use of this chemical.

THIS SUBSTANCE IS FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY.