

Section 1 – Chemical Product and Company Identification

MSDS Name: 4-Formylphenylboronic acid, pinacol cyclic ester

Synonyms: 4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl) benzaldehyde

Company: Optima Chemicals Group, LLC
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Telephone (912) 384-5101 FAX (912) 384-6330
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Section 2 – Composition, Information on Ingredients

<u>CAS #</u>	<u>Chemical Name</u>	<u>%</u>	<u>OSHA-PEL</u>
128376-64-7	4-Formylphenylboronic acid, pinacol cyclic ester	97+	N/A

Section 3 – Hazards Identification

Hazards: Harmful if swallowed, Irritating to eyes, skin, respiratory system

Hazard Symbols: Xn Risk Phrases: 22, 36/37/38

Safety Phrases: 26, 37/39

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0

Section 4 – First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, lifting upper and lower lids. Seek medical attention.

Skin: Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure, to fresh air immediately. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Section 5 – Fire Fighting Measures

Fire Extinguishing Agents Recommended: Water Fog, CO2, dry chemical powder, or appropriate foam.

Fire Extinguishing Agents to Avoid: None

Special Fire fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: May emit irritating fumes under fire conditions.

Section 6 – Accidental Release Measures

Large Spills: Contain the spill, wet the material with a light water spray, and place into appropriate containers for disposal.

Small Spills: Contain the spill, wet the material with a light water spray, and place into appropriate containers for disposal.

The material is Non-Hazardous, however, disposal should be done only through an approved waste disposal facility.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist. Avoid contact with skin and eyes.

Storage: Store in cool, dry place. Store in tightly closed container.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Eyes: Wear appropriate protective eyeglasses or chemical goggles.

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

Respiratory: Wear NIOSH/MSHA approved respirator. Approved dust masks are effective.

Section 9 – Physical and Chemical Properties

Appearance and Odor: White to off-white crystalline solid, essentially no odor.

Melting Point: N/A

Boiling Point: Unkown

Flash Point: N/A

Vapor Pressure: N/A

Specific Gravity: N/A

pH: N/A

Water Solubility: ~2.5%

Molecular Formula: C₁₃H₁₇BO₃

Molecular Weight: 232.08

Section 10 – Stability and Reactivity

Stability: Stable under normal handling conditions.

Incompatibility: Avoid strong acids.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: None expected.

Conditions to Avoid: Acids, Strong oxidizing agents.

Section 11 – Toxicological Information

No LD50 or LC 50 information available

Acute Toxicity: Irritation of the eyes and skin.

Chronic Toxicity: Not listed as a Carcinogen by ACGIH, IARC, NIOSH, NTP, or OSHA.

Section 12 – Ecological Information

No information available.

Section 13 – Disposal Considerations

This material is non-hazardous, but must be disposed of in accordance with federal, state, and local regulations.

Section 14 – Transport Information

DOT Shipping Name: 4-Formylphenylboronic acid, pinacol cyclic ester , Non Hazardous

DOT Hazardous Class: Not Regulated

Section 15 – Regulatory Information

European Labeling in Accordance with EC Directives

Hazard Symbols: Xn

Risk Phrases: R22 – Harmful if swallowed, R 36/37/38 – Irritating to eyes, skin, and respiratory system.

Safety Phrases: S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical aid, S 37/39 – Wear suitable gloves and eye/face protection.

TSCA: Not listed on inventory

SARA Title 111 Reporting Requirements:

Section 311/312 Inventory reporting hazard categories: Acute

Section 313 Release reporting: Not required

Reportable Quantity: Not applicable

Section 16 – Additional Information

Creation Date: 8/8/05

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