

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 2-Fluoro-4-biphenylboronic acid

Synonyms:

Company Identification: PI Chemicals Ltd.

Room 512, Building 1

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 Telephone Number:
 86-21-58953700

 Fax Number:
 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-19234
CAS Number: 178305-99-2
MDL Number: MFCD01075707

Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Crystalline powder

Color: Off-white
Odor: Not available
Molecular Formula: C12H10BFO2
Molecular Weight: 216.02

Freezing/Melting Point: 243-246 deg C **Boiling Point:** Not available Flash Point: Not available Autoignition Temperature: Not available Refractive Index (nD20): Not available Not available Density: Decomposition Temperature: Not available Solubility: Not available

Section 4 - Hazards Identification

Eye: Causes eye irritation.

Skin: Causes skin irritation. Harmful if absorbed through the skin.

Ingestion: May be harmful if swallowed.



Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Section 5 - First Aid Measures

Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while

removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.

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

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial

respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 6 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Materials to avoid: Strong oxidizing agents. Conditions to avoid: Incompatible materials.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, boron oxides, hydrogen fluoride.

Polymerization: Will not occur.

Section 7 - Handling and Storage

Handling: Avoid all direct contact with material. Wash thoroughly after handling. Have safety

shower and eye wash available. Do not get in eyes, on skin, on clothing.

Storage: Store in cool place, Keep container tightly closed in a dry and well-ventilated place.

Avoid sources of ignition.

Section 8 - Personal Protection

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's

eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN

149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure

limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Fire and Explosion Hazard Data

General Information: As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH

(approved or equivalent) and protective clothing to prevent contact with skin

and eyes.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.



Section 10 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS# 178305-99-2: None listed.

LD50/LC50: RTECS#: None listed.

Carcinogenicity: 2-Fluoro-4-biphenylboronic acid - Not listed as a carcinogen by ACGIH, IARC,

NTP, or CA Prop 65.

Other: The toxicological properties have not been fully investigated.

Section 12 - Environmental information

Not available.

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

ADR/RID: Not a dangerous good.
IMDG: Not a dangerous good.
IATA: Not a dangerous good.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases:

R 22: Harmful if swallowed.

Safety Phrases:

S 24/25: Avoid contact with skin and eyes.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



WGK (Water Danger/Protection) CAS#178305-99-2: 3 Canada **CAS#178305-99-2:** Not available

US Federal

TSCA

CAS# 178305-99-2 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: March 25, 2006

Update: December 10, 2007

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