

# 4-Azido-2,3,5,6-tetrafluorobenzoic Acid: sc-209954



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### \*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

**Product Name:** 4-Azido-2,3,5,6-tetrafluorobenzoic Acid  
**Catalog Number:** sc-209954  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, California 95060  
800.457.3801 or 831.457.3800  
**Emergency:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255  
(1-800-CHEMCALL) or call +613 9573 3112

### \*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

CAS#	Chemical Name	%	Haz Symbols	Risk Phrases
122590-77-6	4-azido-2,3,5,6-tetrafluorobenzoic acid	97+%	Xn	20/21/22;36/37/38

Formula: C<sub>7</sub>HF<sub>4</sub>N<sub>3</sub>O<sub>2</sub>  
Molecular Weight: 235.10

### \*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

#### Specific identification of hazards to human and environment:

Harmful if swallowing. Harmful by inhalation  
Harmful in contact with skin  
Irritating to eyes and respiratory system .

### \*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

#### Inhalation:

If inhaled, remove to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid.

#### Skin:

In case contact, immediately wash skin with soap and copious amount of water

#### Eyes:

In case contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

#### Ingestion:

If swallowed, immediately call a Poison Center or other medical aid. Wash mouth with water provided person is conscious.

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\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

**Extinguishing Media:**

Suitable: Carbon dioxide, dry chemical powder.

**Special risks**

Specific Hazard: Emits toxic fumes under fire conditions.

**Special protective equipment for firefighters:**

Wear a self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\*

**Procedure(s) of personal precaution(s)**

Wear self-contained breathing apparatus, and heavy rubber gloves.

**Methods for cleaning up**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash site after material pickup in compete.

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\*\*\*\* SECTION 7 - HANDLING and STORAGE \*\*\*\*

**Handling:**

Avoid contact with skin and eyes and inhalation. Ensure good ventilation at the workplace.

**Storage:** Store at -20°C under inert gas. Highly light sensitive and air sensitive. Store in amber glass package.

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\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

**Engineering Controls:**

Safety shower and eye bath. Mechanical exhaust required.

**Personal Protective Equipment**

**Eyes:**

Wear appropriate protective eyeglasses or chemical safety goggles

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

<b>Physical State:</b>	Solid
<b>Color:</b>	white powder
<b>Odor:</b>	N/A
<b>pH:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Viscosity:</b>	N/A

<b>Boiling Point:</b>	N/A
<b>Melting Point:</b>	140-141°C
<b>Autoignition Temperature:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Explosion Limits:</b>	Product is not explosive
<b>Specific Gravity/Density:</b>	N/A
<b>Solubility:</b>	CCl <sub>3</sub> , CH <sub>3</sub> OH

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**\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\***

**Chemical Stability:** Highly light sensitive and air sensitive, temperature sensitive. Stable at recommend conditions.

**Incompatibilities with Other Materials:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Nitrogen oxides, carbon monoxide, carbon dioxide, hydrogen fluoride.

**Hazardous Polymerization:**

Has not been reported.

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**\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\***

**Signs and symptoms**

Irritant to skin, eye and mucous membranes

LD50/LC50: Not available.

**Carcinogenicity:**

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

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**\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\***

No data available

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**\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\***

Dispose of in a manner consistent with federal, state, and local regulations.

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**\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\***

<b>IATA</b>	Non-hazardous for air transport
<b>IMDG</b>	Non-hazardous for sea transport
<b>RID/ADR</b>	Non-hazardous for road transport

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**\*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\***

**International Regulations:**

**Hazard Symbols:** Xn Harmful

**Risk Phrases:**

R20 - Harmful by inhalation

R21 - Harmful in contact with skin

R 22 - Harmful if swallowed

R 36/37/38 - Irritating to eyes, respiratory system and skin.

**Safety Phrases:**

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

S 36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

**Information about limitation of use**

It is for research and development use only.

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**\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\***

**Application:** A fluorinated aryl azide as photo-cross linker to study the estrogen receptor ( $I_{\max}$  258nm)

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

6/7/2010