

# 1-azido-4-bromobenzene: sc-333759



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

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### 1. Product Information

**Product Name:** 1-azido-4-bromobenzene  
**Product Number:** sc-333759  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 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

### 2. Composition/Information on Ingredients

**Category:** Substance  
**Chemical Formula:** C<sub>6</sub>H<sub>4</sub>BrN<sub>3</sub>  
**Molecular Weight:** 198.02  
**CAS number:** 2101-88-4

### 3. Hazards Identification

**Indication of danger** N/A  
**Signal word** N/A  
**R-phrases(s)** N/A  
**Hazard statement** N/A

#### Precautionary statements

|           |                                                                                                                      |
|-----------|----------------------------------------------------------------------------------------------------------------------|
| P404      | Store in a closed container.                                                                                         |
| P202      | Do not handle until all safety precautions have been read and understood.                                            |
| P270      | Do not eat, drink or smoke when using this product .                                                                 |
| S24/25    | Avoid contact with skin and eyes.                                                                                    |
| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection.                                                   |
| S29/56    | Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |
| S41       | In case of fire and/or explosion do not breathe fumes.                                                               |
| S45       | In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).           |
| S7/47     | Keep container tightly closed and at temperature not exceeding +4 °C.                                                |

**Special note:** N/A

### 4. First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

**Skin contact:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**Eye contact:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

## 5. Fire Fighting Measures

**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

**Specific hazards:** May emit toxic fumes under fire conditions.

**Specific methods:** Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: remove movable containers if safe to do so.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 6. Accidental Release Measures

**Personal precaution procedures to be followed in case of leak or spill:** Evacuate area.

**Procedure(s) of personal precaution(s):** Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

**Methods for cleaning up:** Wipe dry, place a rag in a bag and hold for waste disposal. Avoid fumes inhaling. Ventilate area and wash spill site after material pickup is complete.

## 7. Handling and Storage

**Handling:** Handling is performed in a well ventilated place. Wear suitable protective equipment. Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Wash hands and face thoroughly after handling.

**Storage:** Keep container tightly closed. Avoid overheating. Store in a dark place at +4° C.

**Special requirements:** N/A

## 8. Exposure Controls / Personal Protection

**Engineering controls:** Install a closed system or local exhaust as possible so that workers should not be exposed directly. Install safety shower and eye bath.

**General hygiene measures:** Wash hands thoroughly after handling.

**Personal protective equipment**

**Respiratory Protection:** Government approved respirator.

**Hand Protection:** Compatible chemical-resistant gloves.

**Eye Protection:** Chemical safety goggles.

**Skin and body protection:** Protective clothing. Protective boots, if the situation requires.

## 9. Physical and Chemical Properties

|                       |         |                       |     |
|-----------------------|---------|-----------------------|-----|
| Physical state (20°C) | powder  | pH                    | N/A |
| MP/MP Range (°C)      | 170-170 | Flash Point           | N/A |
| Flammability          | N/A     | Autoignition Temp     | N/A |
| Oxidizing Properties  | N/A     | Explosive Properties  | N/A |
| Explosion Limits      | N/A     | Vapor Pressure        | N/A |
| SG/Density            | N/A     | Partition Coefficient | N/A |
| Viscosity             | N/A     | Vapor Density         | N/A |
| Saturated Vapor Conc. | N/A     | Evaporation Rate      | N/A |
| Decomposition Temp.   | N/A     | Water Content, %      | N/A |
| Surface Tension       | N/A     | Conductivity          | N/A |
| Solubility            | N/A     |                       |     |

## 10. Stability and Reactivity

**Stability:** Stable under specified storage temperature.

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, hydrogen bromide, nitrogen oxides

**Hazardous Polymerization:** Will not occur.

## 11. Toxicological Information

Toxicological properties were not fully evaluated.

## 12. Ecological Information

N/A

## 13. Disposal Considerations

**Substance disposal:** Contact a licensed professional waste disposal service to dispose of this material. 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.

## 14. Transport Information

Non-hazardous for air and ground transportation. Use appropriate safety measures. Temperature controlled transportation required.

## 15. Regulatory Information

**Indication of danger** N/A

**R-phrases(s)** N/A

**Hazard statement** N/A

### Precautionary statements

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## 16. Other Information

***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.***

03/29/2013