

# 3-Amino-5-chlorobenzonitrile: sc-298905



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 3-Amino-5-chlorobenzonitrile

**Product Number:** sc-298905

**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/Data on components:

#### Chemical characterization

**Description (CAS#):** 3-Amino-5-chlorobenzonitrile (CAS# 53312-78-0 )

**Molecular Weight:** 152.6

**Molecular Formula:** C7H5ClN2

### 3. Hazards identification

**Hazard symbols:** Xn Harmful

#### Risk phrases

R22 Harmful if swallowed.

#### Safety phrases

S37 Wear suitable gloves.

### 4. First aid measures

#### General information

Immediately remove any clothing soiled by the product.

#### After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.

#### After skin contact

Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

#### After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### After swallowing

Seek immediate medical advice.

### 5. Fire fighting measures

**Suitable extinguishing agents:** CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Hazardous combustion products:** Carbon monoxide and carbon dioxide, nitrogen oxides (NOx), hydrogen chloride (HCl).

**Protective equipment:** Wear self-contained respirator. Wear fully protective impervious suit.

### 6. Accidental release measures

**Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

**Measures for environmental protection:** Do not allow material to be released to the environment without proper governmental permits.

**Measures for cleaning/collecting:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

**Additional information:** See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## 7. Handling and storage

### Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition – no smoking. Take measures to prevent the build up of electrostatic charge. Ensure good ventilation at the workplace.

### Storage

Keep container tightly sealed. Store in a dry, cool and well-ventilated place. Store at 4° C.

## 8. Exposure controls and personal protection

**Additional information about design of technical systems:** Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

### Personal protective equipment

#### General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

**Breathing equipment:** Use suitable respirator when high concentrations are present.

**Protection of hands:** Impervious gloves

**Eye protection:** Safety glasses

**Body protection:** Protective work clothing.

## 9. Physical and chemical properties:

**Form:** Solid

**Color:** White to brown

**Odor:** Not determined

**Melting point/Melting range:** Not determined

**Boiling point/Boiling range:** Not determined

**Sublimation temperature/start:** Not determined

**Flash point:** Not determined

**Ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Danger of explosion:** Not determined

**Explosion limits:** Not determined

**Vapor pressure:** Not determined

**Density:** Not determined

## 10. Stability and reactivity

**Chemical stability:** Stable under recommended storage conditions.

**Conditions to avoid:** No data available

**Materials to be avoided:** Strong oxidizing agents.

**Dangerous reactions:** No dangerous reactions known

## 11. Toxicological information

**Acute toxicity:** No data available

### Primary irritant effect

**Skin:** may be irritant to skin

**Eye:** may be irritating effect

**Sensitization:** No sensitizing effects known.

**Subacute to chronic toxicity:**

Other than potential irritation (see above), no information on illness or injury to humans from acute or chronic exposure to this product is available.

**Additional toxicological information:** To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

**12. Ecological information:**

**General notes:** Do not allow material to be released to the environment without proper governmental permits.

**13. Disposal considerations****Product Recommendation**

Consult state, local or national regulations to ensure proper disposal.

**Uncleaned packagings Recommendation:** Disposal must be made according to official regulations.

**14. Transport information****DOT regulations**

**Hazard class:** None

**Land transport ADR/RID (cross-border) ADR/RID class:** None

**Maritime transport IMDG**

**IMDG Class:** None

**Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class:** None

**Transport/Additional information:** Not dangerous according to the above specifications.

**15. Regulations**

Adhere to all Federal, State and local regulations.

**Information about limitation of use:** Use of this product is restricted to research and development only by technically qualified individuals.

**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.*

2/25/2013