

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 (NO_x), 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