

2-Azido Adenosine: sc-209083



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - CHEMICAL AND COMPANY INFORMATION

Chemical Name **2-Azido Adenosine**

Synonyms **2-Azido-D-adenosine; NSC 36905;**

Catalog Nbr **sc-number**

Cas Reg. No **59587-07-4**

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 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

The toxicological properties of this compound have not been thoroughly investigated. Exercise due care.

Section 3 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point **N/A**

Vapor Pressure **N/A**

Vapor Density **N/A**

Solubility in Water **N/A**

Molecular Formula **C10H12N8O4**

Molecular Weight **308.25**

Appearance and Odor

Off-White to Grey Solid

Specific Gravity(H₂O=1)

N/A

Melting Point

170-172°C

Evaporation Rate (Butyl Acetate=1)

N/A

Section 4 - REACTIVE DATA

Stability **stable**

*Incompatability
(Materials to Avoid)*

strong oxidizing agents,

Conditions to Avoid **Strong oxidizers**

*Hazardous
Decomposition or
Byproducts* **toxic fumes of carbon monoxide,
carbon dioxide, and nitrogen oxides**

Hazardous Polymerization **will not occur**

Section 5 - CONTROL MEASURES

Respiratory Protection **Niosh/Msha approved respirator**

Protective Gloves **chemical resistant gloves**

Other Protective Clothing **lab coat or apron**

Ventilation

Eye Protection

Other Protection

Hood

chemical safety goggles

safety shower and eye bath

Section 6 - FIRST AID MEASURES

Inhalation **If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen in a non-flammable area.**

Skin **In case of contact, immediately wash skin with copious amounts of soap and water for 15 minutes. Wash contaminated clothing before reuse.**

Ingestion **If swallowed, rinse mouth out with water provided the person is conscious.
Call a Physician.**

Eyes **In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes, separating the eyelids with fingers.**

Section 7 - HEALTH HAZARD DATA

*Health Hazards
(Acute and Chronic)*

The toxicological properties have not been thoroughly investigated. Exercise due care.

Skin Contact: May Causes skin Irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye Irritation.

Inhalation: Material is Irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Additional Information

A useful synthetic intermediate for making potent and selective coronary vasodilators.

*Medical Conditions
Generally Aggravated by
Exposure*

The toxicological properties of this compound have not been thoroughly investigated. Exercise due care.

Section 8 - PRECAUTIONS FOR SAFE HANDLING AND USE

*Steps to be Taken in
Case Material is
Released or Spilled*

Ventilate area and wash spill site after material pickup is complete. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Evacuate the area.

Waste Disposal Method

dissolve or mix 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.

*Precautions to Be
Taken in Handling
and Storage*

Wear appropriate chemical resistant gloves & safety glasses. Use only in chemical fume hood. For short term use (1-3mon.), store desiccated. For long term storage (3-12 mon.), store desiccated & refrigerate (-20°C). Avoid exposure to sunlight.

Section 9 - FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media

water spray.
carbon dioxide, dry chemical powder or appropriate foam.

*Special Fire Fighting
Procedures*

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

*Unusual Fire and
Explosion Hazards*

emits toxic fumes under fire conditions.

Section 10 - TRANSPORTATION AND REGULATORY INFORMATION

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

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.