

## Section 1 - Product and Company Information

**Product Name:** 5-AzadCyd

**Cat. Code:** met-adc-1, met-adc-5

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## Section 2 - Composition/Information on Ingredient

**Substance Name:** 5-Aza-2'-deoxycytidine

**Molecular weight:** 228

**CAS #:** 2353-33-5

**Formula:** C<sub>8</sub>H<sub>12</sub>N<sub>4</sub>O<sub>4</sub>

**EC number:** 219-089-4

## Section 3 – Hazards Identification

**OSHA Hazards:** Harmful by ingestion. Irritant.

**HMIS Classification:** Health Hazard 2, Flammability Hazard 0, Reactivity Hazard 0

**NFPA Rating:** Health Hazard 2, Fire 0, Reactivity Hazard 0

### Potential Health Effects

- **Eye contact:** May cause eye irritation. Causes eye irritation.
- **Skin contact:** May cause skin irritation. Causes skin irritation.
- **Skin absorption:** May be harmful if absorbed through the skin.
- **Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.
- **Ingestion:** Harmful if swallowed.

## Section 4 – First Aid Measures

**General advice:** Consult a physician. Show this material safety data sheet to the doctor in attendance.

**After skin contact:** Immediately wash skin with soap and plenty of water. Consult a physician.

**After swallowing:** Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.

**After inhalation:** Remove to fresh air. If not breathing give artificial respiration. Consult a physician.

**After eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

## Section 5 – Fire Fighting Measures

**Extinguishing Media:** Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Special Firefighting Procedures:** N/A

**Flammability:** N/A

**Unusual Fire and Explosions Hazard (s):** N/A

**Flash point:** N/A

**Auto-ignition Temp:** N/A

## **Section 6 – Accidental Release Measures**

**Personal precautions:** Wear protective equipment. Keep unprotected persons away. Avoid dust formation.

**Method for Cleaning Up:** Absorb on sand or vermiculite and place in closed containers for disposal. Dispose contaminated material as waste according to section 13. Ventilate area and wash spill site after material clean-up is complete.

## **Section 7– Handling and Storage**

**Handling:** Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

**User Exposure:** Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or apron).

**Storage:** Keep tightly closed. Store at -20°C.

## **Section 8 – Exposure Controls / PPE**

**Engineering Measures:** Ensure adequate ventilation, especially in confined areas.

### **Personal Protective Equipment**

**Hand:** Protective gloves to prevent skin contact. **Eye:** Chemical safety goggles

**General Hygiene Measures:** Wash hands thoroughly after handling.

## **Section 9 – Physical / Chemical Properties**

**Appearance:** Off-white color

**Physical State:** Powder

## **Section 10 – Stability and Reactivity**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Materials to avoid:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides.

## **Section 11 – Toxicological Information**

### **Acute toxicity:**

LD50 Oral: N/A

LD50 Intraperitoneal: N/A

LD50 Intravenous: N/A

**Primary irritant effect:** N/A

**Sensitization:** N/A

**Target Organ:** N/A

**Additional toxicological information:** N/A

## **Section 12 – Ecological Information**

**Ecotoxicity:** Data not yet available.

**Mobility:** Data not yet available.

**Biodegradation:** Data not yet available.

**Bioaccumulation:** Data not yet available.

### **Section 13 – Disposal Considerations**

**Product:** Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.

**Contaminated Packaging:** Dispose of as unused product.

### **Section 14 – Transport Information**

**DOT (US):** Not dangerous goods.

**IATA:** Not dangerous goods.

**IMDG:** Not dangerous goods.

### **Section 15 – Regulatory Information**

**OSHA HAZARDS (US):** Harmful by ingestion. Irritant.

**DSL Status:** This product contains the following components that are not on the Canadian DSL nor NDSL lists.

5-Aza-2'-deoxycytidine                      **CAS #:** 2353-33-5

**SARA 302 Component:** None of the ingredients are listed.

**SARA 313 Component:** None of the ingredients are listed.

**SARA 311/312 Hazards:** Acute health hazard.

#### **U.S. State Regulations**

<b>Chemical Name</b>	<b>Massachusetts RTK</b>	<b>New Jersey RTK</b>	<b>Pennsylvania RTK</b>
5-Aza-2'-deoxycytidine	-	X	X

#### **Labeling and risk phrase according to EU Directives**

**Hazard symbol:** Xn Harmful

**S22:** Do not breathe dust

**S24/25:** Avoid contact with skin and eyes

**S36/37/38:** Wear suitable protective clothing, gloves and eye/face protection

**R22:** Harmful if swallowed

### **Section 16 – Other Information**

**Disclaimer:** All InvivoGen products are supplied for research and laboratory use only. Not for drug, household or other uses.

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