



XINXIANG AURORA BIOTECHNOLOGY CO., LTD.

Tel:+86-0373-3088722 Fax:+86-0373-3088722

No. 348, Pingyuan Road, Xinxiang City, Henan Province, China 453000

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## MSDS of Adenosine

### Section 1 - Chemical Product and Company Identification

<b>Product name:</b>	Adenosine
<b>CAS:</b>	58-61-7
<b>Company:</b>	XINXIANG AURORA BIOTECHNOLOGY CO., LTD.
<b>Telephone:</b>	086-0373-3088722
<b>Fax:</b>	086-0373-3088722
<b>E-mail:</b>	info@aurora-biotech.com

### Section 2 - Composition, Information on Ingredients

<b>Hazard Symbols:</b>	None listed
<b>Risk Phrases:</b>	None listed

### Section 3 - Hazards Identification

Potential Health Effects	
<b>Eye:</b>	May cause eye irritation.
<b>Skin:</b>	May cause skin irritation. May be harmful if absorbed through the skin.
<b>Ingestion:</b>	May cause irritation of the digestive tract. May be harmful if swallowed.
<b>Inhalation:</b>	May cause respiratory tract irritation. May be harmful if inhaled.
<b>Chronic:</b>	

### Section 4 - First Aid Measures

<b>Eye:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
<b>Skin:</b>	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
<b>Ingestion:</b>	Get medical aid. Wash mouth out with water.



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<b>Inhalation:</b>	Remove from exposure and move to fresh air immediately.
<b>Notes to Physician:</b>	Treat symptomatically and supportively.

#### Section 5 - Fire Fighting Measures

<b>General Information:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
<b>Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or chemical foam.

#### Section 6 - Accidental Release Measures

<b>General Information:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Spills/Leaks:</b>	Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

#### Section 7 - Handling and Storage

<b>Handling:</b>	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
<b>Storage:</b>	Store in a tightly closed container. Store in a dry area.

#### Section 8 - Exposure Controls, Personal Protection

<b>Personal Protective Equipment</b>	
<b>Eye:</b>	Wear chemical splash goggles.
<b>Skin:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Clothing:</b>	May cause irritation of the digestive tract. May be harmful if swallowed.
<b>Inhalation:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Respirators:</b>	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a

	NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
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**Section 9 - Physical and Chemical Properties**

<b>Physical State:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Freezing/Melting Point:</b>	Not available
<b>Autoignition Temperature:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Explosion Limits: Lower:</b>	Not available
<b>Explosion Limits: Upper:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Solubility in Water:</b>	Soluble
<b>Specific Gravity/Density:</b>	Not available
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	267.2413

**Section 10 - Stability and Reactivity**

<b>Chemical Stability:</b>	Not available
<b>Conditions to Avoid:</b>	Incompatible materials
<b>Incompatibilities with Other Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Nitrogen oxides, carbon monoxide, carbon dioxide.
<b>Hazardous Polymerization:</b>	Has not been reported.

**Section 11 - Toxicological Information**

<b>RTECS#:</b>	Not listed
<b>LD50/LC50:</b>	Not listed
<b>Carcinogenicity:</b>	Not listed



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**Other:**

The toxicological properties have not been fully investigated.

#### Section 12 - Ecological Information

Not available

#### Section 13 - Disposal Considerations

Disposal must be made according to official regulations.

#### Section 14 - Transport Information

	<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	Not available	Not available	Not available
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

#### Section 15 - Regulatory Information

Not listed

#### Section 16 - Other Information

MSDS Creation Date: 01/06/2017  
Revision #0 Date Original.

