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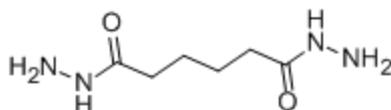
**Hefei TNJ Chemical Industry Co.,Ltd.**  
B910~911 Xincheng Business Center,  
Qianshan Rd. Hefei 230022 China  
Tel : (0086) 551 65418678  
Fax: (0086) 551 65418697  
Email: info@tnjchem.com  
Site: www.tnchem.com

## Technical Data Sheet

# Adipic dihydrazide

### Product Information

Chemical Name	Adipic dihydrazide
CAS #	1071-93-8
Formula	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight	174.2
Chemical Structure	



### Description

Adipic dihydrazide also called hydrazide, is white crystal, soluble in water, moderate toxicity.

### Physical Properties

Melting point, °C .	180-182 °C(lit.)
Flash point, °C	150
Soluble H <sub>2</sub> O:	100 mg/mL

### Specification

Item	Specification
Appearance	White crystalline powder
Assay, %	≥ 98.0
Dry Loss, %	≤ 0.80

### Safety

Always refer to the Material Safety Data Sheet (MSDS)

### Applications

- 1) Mainly used in epoxy powder coating curing agent and coating additives, metal attenuated agent and other polymer additives and water treatment agent.

- 2) Adipic acid hydrazide double functional group compounds, with sodium hyaluronate as protein drug carrier after crosslinking. And diacetone acrylamide in water emulsion and water soluble polymer crosslinked after crosslinking role, such as coating, adhesive, fiber and plastic processing, hair gel, etc., also can be used as a curing agent and coating epoxy powder coating additives, metal attenuated agent and other polymer additives and water treatment agent, indoor formaldehyde adsorbent materials and intermediates.
- 3) With bifunctional crosslinking reagent, dedicated to aldehyde, generated a relatively stable hydrazone links. Especially for connecting glycoprotein, such as antibodies.

### **Packaging**

25kg per fiber drum  
9mt per 20ft container

### **Storage & Handling**

Do not store in direct sunlight. Store in a tightly closed container.  
Store in a cool, dry, well-ventilated area away from incompatible substances.  
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.  
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.  
Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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Qianshan Road, Hefei  
230022 Anhui  
China

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