



## Wuhan Xinru Chemical Industry Co., Ltd

Add: Room 2805, North Fuxinhuiyu, Changqing Road, Wuhan, China 430015  
Tel: +86-27-5984 3600 Fax: +86-27-6666 0488 E-mail: xinru01@whxinru.cn

### MATERIAL SAFETY DATA SHEET

#### Product Identification

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**【Product Name】** Meglumine

**【Synonyms】**

(2R,3R,4R,5S)-6-Methylaminohexane-1,2,3,4,5-pentol  
D-Glucitol, 1-deoxy-1-(methylamino)-  
N-Methyl-D-glucamine

**【CAS】** 6284-40-8

**【Formula】** C<sub>7</sub>H<sub>17</sub>NO<sub>5</sub>

**【Molecular Weight】** 195.22

**【EINECS】** 228-506-9

**【Merck】** 12,6154

**【Beilstein/Gmelin】** 385906

**【Beilstein Reference】** 4-04-00-01914

#### Physical and Chemical Properties

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**【Appearance】**

White to off-white, crystalline powder. an amino sugar derived from sorbitol.

**【Solubility in water】** 1000 g/L

**【Melting Point】** 128 - 131

**【Usage】**

Used as an excipient in pharmaceuticals and in conjunction with iodinated compounds in contrast media.

**【Vapor Density】** 6.73



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### First Aid Measures

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#### **【Ingestion】**

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

#### **【Inhalation】**

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

#### **【Skin】**

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

#### **【Eyes】**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

### Handling and Storage

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#### **【Storage】**

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from water.

#### **【Handling】**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

### Hazards Identification

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#### **【Inhalation】**

May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

#### **【Skin】**

May cause skin irritation. The toxicological properties of this material have not been fully investigated.



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### **【Eyes】**

May cause eye irritation. The toxicological properties of this material have not been fully investigated.

### **【Ingestion】**

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

**【EC Risk Phrase】** R 36/37/38

**【EC Safety Phrase】** S 26 36

## **Exposure Controls/Personal Protection**

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### **【Personal Protection】**

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

### **【Respirators】**

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

### **【Exposure Effects】**

The toxicological properties of this material have not been investigated.

## **Fire Fighting Measures**

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**【Autoignition】** >650

### **【Fire Fighting】**

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.  
Extinguishing media: Use agent most appropriate to extinguish fire. Do NOT get water inside containers. In case of fire use water spray, dry chemical, carbon





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dioxide, or appropriate foam.

### Accidental Release Measures

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#### **【Small spills/leaks】**

Clean up spills immediately, using the appropriate protective equipment. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.

### Stability and Reactivity

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**【Incompatibilities】** Oxidizing agents.

**【Stability】** Stable under normal temperatures and pressures.

#### **【Decomposition】**

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

### Transport Information

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**【HS Code】** 2922 19 80