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**SECTION 1: IDENTIFICATION**

**Effective Date:** 12/17/96  
**Product Name:** **D-Glucosamine Hydrochloride**  
**Common Name:** 2-amino-D-glucose hydrochloride  
**Chemical Formula:** C<sub>6</sub>H<sub>13</sub>NO<sub>5</sub> HCl  
**CAS No.:** 66-84-2

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**SECTION 2: HAZARDOUS INGREDIENTS:**

Very dangerous in case of eye contact (irritant), of ingestion, of inhalation. Slightly dangerous to dangerous in case of skin contact (irritant). This product is an eye irritant. Product may irritate eyes and skin upon contact. Inflammation of eye is characterized by redness, watering, and itching. Substance is toxic to lungs

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**SECTION 3: PHYSICAL DATA**

**Physical Data:**

Appearance and Odor:	solid crystalline powder, white
Boiling point:(760 mmHg)	n/a
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	n/a
Solubility in water:(by weight)	soluble in cold water
Melting Point:	decomposes
Volatility:	n/a
Vapor Density:	n/a

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**SECTION 4: FIRE AND EXPLOSION DATA**

**Fire and Explosion Information:**

Combustible?:	Yes
Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	Small fire: dry chemicals, CO <sub>2</sub> , water spray or foam. Large fire: Use water spray, fog or foam. Do not use
Unusual Fire and Explosion Hazards:	No specific information is available

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**SECTION 5: REACTIVITY DATA**

**Reactivity Data:**

Stable   X   Unstable           

<b>Conditions to Avoid:</b>	no specific information is available
<b>Incompatibilities:</b>	no specific information is available
<b>Hazardous Decomposition or byproducts:</b>	Products of combustion are carbon oxides and nitrogen oxides
<b>Hazardous Polymerization:</b>	no

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**SECTION 6: HEALTH HAZARD DATA**

<b>Threshold Limit Value (TLV):</b>	n/a
<b>Routes of Entry:</b>	ingestion, inhalation
<b>Toxicity:</b>	
<b>Oral LD50 (mouse):</b>	15000 mg/kg

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

**Spillage:** Small spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose according to local and regional authority requirements. Large spill: Use shovel to put material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface

**Disposal:** Recycle to process if possible. Consult your local or regional authorities.

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**SECTION 8: FIRST AID PROCEDURES****First Aid:**

**Eyes:** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

**Skin:** Remove contaminate clothes as quickly as possible, protecting your own hands and body. Place victim under deluge shower. If chemical touches victim's exposed skin, such as hands, gently wash with running water and non-abrasive soap. Cold water may be used. Cover irritated skin with an emollient. Seek medical attention.

**Inhalation:** Allow victim to rest in well ventilated area. Seek medical attention

**Ingestion:** Remove dentures if any. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat. Lower head so vomit will not enter the mouth and throat. Never give an unconscious person anything to ingest. Seek medical attention.

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**SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING**

**Other Precautions:** Keep away from heat, sources of ignition, and strong oxidizing agents. Keep container dry, tightly closed, and in well ventilated, cool place. Ground all equipment containing material. Do not ingest or inhale dust. Evaporate residue under fume hood. Wear respiratory equipment if necessary.

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**SECTION 10: SPECIAL PROTECTION INFORMATION**

**Ventilation:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

**Eye Protection:** Splash goggles

**Protective Gloves:** Impervious gloves

**Respiratory Protection:** Dust respirator

**Other Protective Gear:** Lab coat

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**SECTION 11: TRANSPORT INFORMATION**

**DOT classification:** not a DOT regulated material

**DOT pictograms:**