



## ***Material Safety Data Sheet***

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### **Bovine Insulin- $\gamma$ -irradiated Powder Catalog # 700-912P**

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#### **Section I: Product Identification**

**Product Name:**

Bovine Insulin-  $\gamma$ -irradiated Powder

**Catalog Number:**

700-912P

#### **Section II: Composition/Ingredients**

Insulin from bovine pancreas

#### **Section III: Health Hazard Data**

**Hazardous Components:**

No Known OSHA hazardous components

**Toxicity:**

Not Established.

**Target Organs/Systems:**

Avoid contact with skin and eyes. May irritate the upper respiratory tract and mucous membranes. Avoid breathing dust.

**Effects of Overexposure:**

Not Established.

**First Aid Procedures:**

If product gets into eyes, open eyelids with fingers and flush eyes with copious amounts of water for at least 15 minutes. If product gets on skin, wash the skin with soap and copious amounts of water for at least 15 minutes. If swallowed and person is conscious, rinse mouth with water, consult a health care provider. If product is inhaled, get to fresh air. If there is any difficulty in breathing, seek medical attention. If there is any irritation, consult a health care provider.

## **Section IV: Physical Data**

**Appearance:**

White powder

**Density:**

N/A

**Boiling Point:**

N/A

**Specific Gravity:**

N/A

**Vapor Density:**

N/A

**Vapor Pressure:**

N/A

**Evaporation rate:**

N/A

**H<sub>2</sub>O Solubility:**

N/A

## **Section V: Reactivity Data**

**Stability:**

Stable

**Conditions or Materials to Avoid:**

Strong oxidizing agents

**Hazardous Polymerization:**

To our knowledge, will not occur

## **Section VI: Fire & Explosion Hazard Data**

**Flammability:**

N/A

**Flash Point:**

N/A

**Flammable Limits:**

N/A

**Extinguishing Media:**

Use appropriate media for the surrounding fire.

**Hazardous Combustion or Decomposition Products:**

Carbon oxides, nitrogen oxides, sulphur oxides

**Special Fire Fighting Procedures:**

As in any fire, self-contained breathing apparatus and protective clothing may be required.

## **Section VII: Spill or Leak Procedures**

**In the event of a spill or leak:**

Wear suitable protective clothing including a dust mask, latex gloves and goggles. Avoid raising dust when cleaning up material. Put into a closed container/bag for waste disposal. Ventilate area. Clean spill area thoroughly after material is picked up.

**Disposal:**

Abide by all local, state and federal regulations regarding waste disposal.

## **Section VIII: Handling & Storage Precautions**

### **Handling:**

Avoid inhalation, contact with clothing, skin and eyes. Avoid repeated or prolonged exposure.

### **Eye/Skin Protection:**

Wear suitable protective clothing, safety glasses with side shields and latex/rubber gloves are recommended.

### **Storage:**

Store frozen at -20 to -10 °C

## **Section IX: Special Precautions & Comments**

### **Intended Use for Product:**

For laboratory research use only. Not intended for human, clinical or diagnostic use.

### **Section X: Disclaimer**

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Gemini Bio-Products shall not be held liable for any damage resulting from handling or from contact with the above product.*