**SECTION I NAME**

**Product** Gelatin

**Chemical Synonyms** Protein

**Formula** Natural Product.

**Unit Size** up to 2.5 Kg.

**C.A.S. No.** 9000-70-8

**SECTION II INGREDIENTS OF MIXTURES**

<table>
<thead>
<tr>
<th>Principal Component(s)</th>
<th>% by Volume</th>
<th>TLV Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gelatin</td>
<td>100%</td>
<td>None established.</td>
</tr>
</tbody>
</table>

LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.

**SECTION III PHYSICAL DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point (°F)</td>
<td>Decomposes on heating.</td>
</tr>
<tr>
<td>Boiling Point (°F)</td>
<td>Decomposes.</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Negligible as solid.</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>Data not listed.</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble in cold water. Soluble in hot water.</td>
</tr>
<tr>
<td>Appearance &amp; Odor</td>
<td>Off-white to tan granular or crystalline powder; no odor.</td>
</tr>
</tbody>
</table>

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Extinguisher Media</td>
<td>Carbon dioxide (CO₂); dry chemical (ABC); water spray.</td>
</tr>
</tbody>
</table>

**SPECIAL FIREFIGHTING PROCEDURES**

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

**SECTION V HEALTH HAZARD DATA**

**Threshold Limited Value** None established (ACGIH 2001).

**Effects of Overexposure**

**INHALATION:** Low hazard for usual laboratory handling. **EYES:** No specific hazard known. Contact may cause transient irritation. **SKIN:** Low hazard for usual laboratory handling. **INGESTION:** Not an ingestion hazard. Exercise appropriate procedures to minimize potential hazards. Target organs: None known.

**Emergency and First Aid Procedures**

**INGESTION:** Call physician or Poison Control Center immediately. Do not induce vomiting only if advised by appropriate medical personnel. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes. Lift upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**SECTION VI REACTIVITY DATA**

**Stability** Unstable

**Incompatibility (Materials to Avoid)** Strong oxidizing agents.

**Hazardous Decomposition Products** Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide, oxides of nitrogen.

**Hazardous Polymerization** May Occur

**SECTION VII SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is released or spilled

- Recover for use if not contaminated. Sweep up and place in a suitable container.

**Waste Disposal Method**

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in an approved incinerator equipped with an afterburner and scrubber or uncontaminated material may be disposed of in a sanitary landfill.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

**Respiration Protection (Specify Type)** None needed in normal laboratory handling. If dusty conditions prevail, wear NIOSH/MSHA-approved dust mask.

**Ventilation** Local Exhaust

**Protective Gloves** Not needed.

**Other Protective Equipment** Eye wash station, lab coat.

**SECTION IX SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling & Storing**

Store in a cool, dry place away from strong oxidizing materials. Wash thoroughly after handling.

**Other Precautions**

- Clean label on container before using. Do not wear contact lenses when working with chemicals.
- For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Remove and wash contaminated clothing.

**Copyright**

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.