Material Safety Data Sheet

Histochoice tissue fixative MB

1: Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Contact information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Histochoice tissue fixative MB</td>
<td>bioWORLD</td>
</tr>
<tr>
<td>Catalog Code: 21730007</td>
<td>4150 Tuller Rd</td>
</tr>
<tr>
<td>CAS#: Not available.</td>
<td>Suite 228, Dublin, OH 43017, USA</td>
</tr>
<tr>
<td>RTECS: Not available.</td>
<td>For information, call: 614-792-8680</td>
</tr>
<tr>
<td>TSCA: TSCA 8(b) inventory: No products were found.</td>
<td>Fax Number: 614-792-8685</td>
</tr>
<tr>
<td>CI#: Not available.</td>
<td>Order Online: <a href="http://www.bio-world.com">www.bio-world.com</a></td>
</tr>
<tr>
<td>Synonym: Not available.</td>
<td>E-mail: <a href="mailto:save@bio-world.com">save@bio-world.com</a></td>
</tr>
<tr>
<td>Chemical Name: Histochoice tissue fixative MB</td>
<td>In case of a chemical emergency, contact local hospital.</td>
</tr>
<tr>
<td>Chemical Formula: Not available.</td>
<td>For non-emergency assistance, call: 1-800-860-9729</td>
</tr>
</tbody>
</table>

2: Composition and Information on Ingredients

Composition:

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS#</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td></td>
</tr>
<tr>
<td>Glyoxal 40% special grade</td>
<td>107-22-2</td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td></td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:

Not available.

3: Hazards Identification

Potential Acute Health Effects: Irritating to eyes, respiratory system and skin.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

### 4: First Aid Measures

**Eye Contact:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

**Skin Contact:** In case of contact, immediately wash skin with soap and copious amounts of water.

**Serious Skin Contact:** In case of contact, immediately wash skin with soap and copious amounts of water.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Serious Inhalation:** Not available.

**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Serious Ingestion:** Not available.

### 5: Fire and Explosion Data

**Flammability of the Product:** Not available.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Product of Combustion:** Carbon monoxide, carbon dioxide.

**Fire Hazards in Presence of Various Substances:** Emits toxic fumes under fire conditions.

**Explosion Hazards in Presence of Various Substances:** Not available.

**Fire Fighting Media and Instructions:**

SMALL FIRE: Dry chemical powder.

LARGE FIRE: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

**Special Remarks on Fire Hazards:** Wear self-contained breathing apparatus and protective clothing to Prevent contact with skin and eyes.
**Special Remarks on Explosion Hazards:** Not available.

**6: Accidental Release Measures**

**Small Spill:** Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

**Large Spill:** Not available.

**7: Handling and Storage**

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

**Storage:** Keep tightly closed.
Store in a cool dry place.

**8: Exposure Controls/Personal Protection**

**Engineering Controls:** Safety shower and eye bath.
Mechanical exhaust required.
Chemical safety goggles.
Compatible chemical-resistant gloves.

**Personal Protection:** Respiratory: Government approved respirator.
Hand: Chemical resistant gloves.
Eye: Safety glasses.

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Boots. Dust respirator. Gloves.

**Exposure Limits:** Not available.

**9: Physical and Chemical Properties**

**Physical State and Appearance:** Liquid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** Not available.

**Color:** Not available.

**pH(1% soln/water):** Not available.

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapour Pressure:** Not available.
**Vapor Density:** Not available.

**Volutility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Not available.

### 10: Stability and Reactivity Data

**Stability:** Stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Strong oxidizing agents.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

### 11: Toxicological Information

**Routes of Entry:** Skin contact. Eye contact. Ingestion. Inhalation.

**Toxicity to Animals:**

Not available.

**Chronic Effects on Humans:** Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed.

**Other Toxic Effects on Humans:** Not available.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.
### 12: Ecological Information

| Special Remarks on other Toxic Effects on Humans | Not available. |
| Ecotoxicity | Not available. |
| BOD5 and COD | Not available. |
| Product of Biodegradation | Not available. |
| Toxicity of the Products of Biodegradation | Not available. |
| Special Remarks on the Products of Biodegradation | Not available. |

### 13: Disposal Considerations

| Waste Disposal | Waste must be disposed of in accordance with federal, state and local environmental control regulations. |

### 14: Transport Information

| DOT Classification | Not a Dot controlled material. |
| Identification | Not available. |
| Special Provisions for Transport | Not available. |

### 15: Other Regulatory Information

| Federal and State Regulations | Not available. |
| Other Regulations | EU Additional Classification  
  R: 36/37/38  
  Irritating to eyes, skin and respiratory system.  
  S: 36/37/39  
  Wear suitable protective clothing, gloves and eye/face protection.  |
| Other Classifications |  |
| WHMIS(Canada) | Not available. |
| DSCL(EEC) | Not available. |
| HMIS(U.S.A) |  |
| Health Hazard | 0 |
| Fire Hazard | 0 |
| Reactivity | 0 |
Personal Protection:

National Fire Protection Association (U.S.A):

Health: 0

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety goggles.

16: Other Information

References: Not available.

Other Special Considerations: Not available.

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