Material Safety Data Sheet

Malt agar

1: Chemical Product and Company Identification

Product Name: Malt agar
Catalog Code: 30626001-1, 30626001-2
CAS#: Mixture.
RTECS: Mixture.
TSCA: TSCA 8(b) inventory : Components were listed.
CI#: Not available.
Synonym: Not available.
Chemical Name: Malt agar
Chemical Formula: Mixture.

Contact information:
bioWORLD
4150 Tuller Rd
Suite 228, Dublin, OH 43017, USA
For information, call: 614-792-8680
Fax Number: 614-792-8685
Order Online: www.bio-world.com
E-mail: save@bio-world.com

In case of a chemical emergency, contact local hospital.
For non-emergency assistance, call: 1-800-860-9729

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>Peptic digest of animal tissue</td>
<td>73049-73-7</td>
<td></td>
</tr>
<tr>
<td>Yeast extract</td>
<td>8013-01-2</td>
<td></td>
</tr>
<tr>
<td>Malt extract</td>
<td>8002-48-0</td>
<td></td>
</tr>
<tr>
<td>Dextrose</td>
<td>50-99-7</td>
<td></td>
</tr>
<tr>
<td>Agar</td>
<td>9002-18-0</td>
<td></td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:
Not available.

3: Hazards Identification

Potential Acute Health Effects: May cause eye and skin irritation.

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 with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

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

#### Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an antibacterial cream. Seek medical attention.

#### Inhalation:
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

#### 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:
May be combustible at high temperature.

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

#### Flash Points:
Not available.

#### Flammable Limits:
Not available.

#### Product of Combustion:
Not available.

#### Fire Hazards in Presence of Various Substances:
Not available.

#### 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:
Not available.

#### 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 pickup is complete.

#### Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
### 7: Handling and Storage

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

**Storage:** Keep tightly closed.

### 8: Exposure Controls/Personal Protection

**Engineering Controls:** Safety shower and eye bath. Mechanical exhaust required.

**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:** Solid (Powder).

**Odor:** Characteristic.

**Taste:** Not available.

**Molecular Weight:** Not available.

**Color:** Beige.

**pH (1% soln/water):** 5.5 +/- 0.2

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapour Pressure:** Not available.

**Vapor Density:** Not available.

**Volatile:** Not available.

**Odor Threshold:** Not available.

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

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

**Dispersion Properties:** Not available.

**Solubility:** Insoluble.

### 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: Not available.
Other Toxic 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: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if swallowed.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Not available.

12: Ecological Information

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: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental 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:** TSCA 8(b) inventory: Yeast extract; Malt extract; Dextrose; Agar.

**Other Regulations:** Not available.

**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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