**Material Safety Data Sheet**

**Section 1 - Product and Company Information**

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Lactobacilli MRS Broth - CRITERION™ Dehydrated Culture Media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number:</td>
<td>C5930, C5931, C5932, C5933, C5934</td>
</tr>
<tr>
<td>Manufacturer:</td>
<td>Hardy Diagnostics</td>
</tr>
<tr>
<td>Address:</td>
<td>1430 West McCoy Lane</td>
</tr>
<tr>
<td></td>
<td>Santa Maria, CA 93455</td>
</tr>
<tr>
<td>Phone:</td>
<td>(805) 346-2766</td>
</tr>
<tr>
<td></td>
<td>(800) 266-2222</td>
</tr>
<tr>
<td>Emergency Phone:</td>
<td>(800) 424-9300 ChemTrec (24hr service)</td>
</tr>
</tbody>
</table>

**Section 2 - Composition / Information on Ingredients**

**Chemical Characterization:**

**Description:** This product contains a mixture of the substances listed below along with nonhazardous additions. Hazardous ingredients within the product that are not listed below, are at concentrations lower than the regulatory threshold limits specified by 29 CFR 1910.1200.

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>126-96-5</td>
<td>Sodium Acetate, Trihydrate</td>
</tr>
<tr>
<td>3012-65-5</td>
<td>Ammonium Citrate</td>
</tr>
<tr>
<td>9005-65-6</td>
<td>Tween 80®</td>
</tr>
</tbody>
</table>

**Section 3 - Hazards Identification**

**Hazard Overview:** Causes irritation in case of eye contact, ingestion or inhalation. May cause skin irritation.
Section 4 - First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately get medical attention.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice.

**Skin Contact:** Immediately wash thoroughly with soap and water. If irritation persists, consult a physician.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelid open. If irritation persists, consult a physician.

Section 5 - Fire Fighting Measures

**Suitable Extinguishing Media:** Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Protective Equipment:** In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.

Section 6 - Accidental Release Measures

**Personal Precautions:** Wear protective equipment. Keep unprotected persons away.

**Methods for Clean Up:** Wipe up with a damp sponge or mop. Avoid generating airborne dust.

Section 7 - Handling and Storage

**Safe Handling:** Avoid breathing airborne powder. Handle all powders under a chemical hood or use a NIOSH/MSHA approved respirator. Wear appropriate personal protective equipment.

**Storage:** Keep container tightly closed. Store in a cool dry place in
accordance with specified storage conditions.

### Section 8 - Exposure Controls and Personal Protection Equipment

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

**Personal Protective Equipment**

**Respiratory:** NIOSH/MSHA - approved respirator.

**Hand:** Chemical resistant gloves. Wash thoroughly after handling.

**Eye:** Safety goggles

### Section 9 - Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State:</td>
<td>Powder</td>
</tr>
<tr>
<td>Color:</td>
<td>Tan</td>
</tr>
<tr>
<td>Odor:</td>
<td>Distinctive</td>
</tr>
<tr>
<td>pH:</td>
<td>6.5 +/- 0.2</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Autoigniting Temp:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosion Limits:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Density:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Soluble</td>
</tr>
</tbody>
</table>

### Section 10 - Stability and Reactivity

**Stability:** This product is stable.

**Materials to be Avoided:** No dangerous reactions known.

**Decomposition Products:** No dangerous decomposition products known.

### Section 11 - Toxicological Information

**Effects of Skin Contact:** May be irritating to the skin.

**Effects of Eye Contact:** Causes eye irritation.

**Effects of Ingestion:** Causes irritation by ingestion.
Effects of Inhalation: Causes irritation by inhalation.
Sensitization: Not available
Target Organs: Not available
Additional toxicological information: Irritant

Toxicity Data: LD/Lc50 values that are relevant for classification

126-96-5 Sodium Acetate, Trihydrate
Not Available
3012-65-5 Ammonium Citrate
Not Available
9005-65-6 Tween 80®
Oral LD50 34500 mg/kg (rat)

Section 12 - Ecological Information

Ecotoxicity: Not determined
General Information: Not available

Section 13 - Disposal Considerations

Waste Disposal: Dispose of in accordance with applicable state and federal regulations.
Smaller quantities may be disposed of with solid waste. Disposal must be in accordance with regulations 40 CFR 261.
This product is not considered a RCRA hazardous waste.

Section 14 - Transport Information

DOT Classification: Not a DOT controlled material (United States).
Hazard Class: None

Section 15 - Regulations

Warning Label Text
Indication of Hazard: IRRITANT
Risk Statements: Irritating to eyes, skin and respiratory system.
Safety Statements: Avoid contact or inhalation. Refer to MSDS.
Carcinogenicity

**NTP:** No

**IARC:** No

**OSHA:** No

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**Section 16 - Other Information**

The above information, to the best of our knowledge, is accurate. Hardy Diagnostics assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

Tween is a registered trademark of ICI Americas, Inc.

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