# MATERIAL SAFETY DATA SHEET

## Section 1. Company Identification and Product Information

<table>
<thead>
<tr>
<th>Product Name or Identity:</th>
<th>Reinforced Clostridial Medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer’s Name:</td>
<td>Acumedia Manufacturers, Inc.</td>
</tr>
<tr>
<td></td>
<td>740 East Shiawassee</td>
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<tr>
<td></td>
<td>Lansing, Michigan 48912</td>
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<tr>
<td>Emergency Phone No.:</td>
<td>517/372-9200</td>
</tr>
<tr>
<td>Fax No.:</td>
<td>517/372-0108</td>
</tr>
<tr>
<td>e-mail:</td>
<td><a href="mailto:foodsafety@neogen.com">foodsafety@neogen.com</a></td>
</tr>
<tr>
<td>Date Prepared or Revised:</td>
<td>March 2011</td>
</tr>
<tr>
<td>Chemtrec:</td>
<td>(800) 424-9300</td>
</tr>
<tr>
<td>Outside US and Canada:</td>
<td>(703) 527-3887</td>
</tr>
</tbody>
</table>

## Section 2. Composition / Information on Hazardous Ingredients

This product is a mixture of the substances listed below with the addition of nonhazardous materials.

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS-No.</th>
<th>%</th>
<th>Hazard Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride (NaCl)</td>
<td>7647-14-5</td>
<td>13.2%</td>
<td>Xi (Irritant)</td>
</tr>
</tbody>
</table>

## Section 3. Health Hazard Identification

**Health Hazards:**

(acute and chronic)

Information pertaining to particular dangers for man and environment.

R 36 / 37 / 38, Irritating to eyes, respiratory system, and skin.

## Section 4. First Aid Measures

**Emergency / First Aid Procedures:**

**General Information:** No special measures required.

**Ingestion:** If swallowed, seek medical attention if symptoms occur. Show physician product label or MSDS.

**Inhalation:** If inhaled, supply fresh air or oxygen. Seek medical attention if breathing becomes labored or difficult.

**Eye Contact:** Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention.

**Skin Contact:** Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Wash clothing before reuse.

## Section 5. Fire and Explosion Hazard Data

**Flash Point** (Method Used): N/A

**Flammable Limits:**

- LEL – N/A
- UEL – N/A

**Extinguishing Media:** Use CO₂, ABC multipurpose dry chemical, or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Protective Equipment:** No special measures required.

**Unusual Fire and Explosion Hazards:** During heating or in case of fire, poisonous gases may be produced.

## Section 6. Accidental Release Measures

**Personal Precautions:** Not required.

**Environmental Precautions:** Prevent dispersion of material. Wipe up with damp sponge or mop.

**Clean-up Methods:** No special measures required.
Section 7. Handling and Storage

Handling: Protect against physical damage. Ensure good ventilation / exhaustion.

Storage: Requirements to be met by storerooms and receptacles: 2 - 30°C
Do not store together with oxidizing agents and acidic materials. Store in cool, dry conditions in well sealed containers.

Other Precautions: No special measures required.

Section 8. Exposure Controls / Personal Protection

Components with limit values that require monitoring:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

OSHA–PEL: N/A       REL: N/A       TLV: N/A

Additional Information: Personal Protection listed below are general requirements for laboratory personnel. Follow the usual precautionary measures for handling chemicals / powder. Avoid contact with eyes, skin, and clothing.

Personal Protective Equipment:
Keep away from food, beverages, and feed.
Wash hands before and after entering laboratory.

Breathing Equipment: In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respiratory.

Hand Protection: Use chemical resistant gloves.

Eye Protection: Wear safety glasses or goggles.

Body Protection: Wear lab coat or other protective work clothing.

Section 9. Physical and Chemical Properties

Appearance and Odor: Homogenous, free-flowing powder, light beige to tan.

Boiling Point: Not determined      Density: Not determined
Flash Point: Not applicable       Melting Point: Not determined
Auto Igniting: Product is not self-igniting     Solubility in Water: Soluble
Danger of explosion: Product does not present an explosion hazard.     pH: 6.8 ± 0.2 @ 25°C
Solvent Content: Organic solvents – 0.0%     Solids Content: 100.0%

Section 10. Stability and Reactivity

Stability: Unstable       Stable X
Conditions to Avoid: No decomposition if used according to specifications.

Incompatibility (Materials to Avoid): Incompatible with strong acids and oxidizers.

Hazardous Decomposition or Byproducts: Chlorine (Cl)
Hazardous Polymerization: May Occur       Will Not Occur X
No dangerous reactions known.

Section 11. Toxicological Information

LD/LC50 values that are relevant:
LD₅₀: 3000 mg/kg, Sodium Chloride (7647-14-5)

Carcinogenicity Classification:
IARC (International Agency for Research on Cancer) - Not listed
NTP (National Toxicology Program) - Not listed
**Irritant:** Irritant to eyes, skin, and mucous membranes.  
**Sensitization:** No sensitizing effects known.  
**Subacute to chronic toxicity:** Target organs: Respiratory tract, eyes, kidneys, and skin.  
**Additional toxicological information:** Irritant.

### Section 12. Ecological Information

**Ecotoxicity Tests:** Not known to be hazardous to water. The ecological effects have not been thoroughly investigated, but currently none have been identified.

### Section 13. Disposal Considerations

**Waste Disposal Method:** Dispose in accordance with all applicable federal (40 CFR 261.3), state, and local environmental regulations. Smaller quantities can be disposed of with solid waste.  
**RCRA Hazardous Waste – No**  
Contact a licensed professional waste disposal service to dispose of this material if questions arise.  
**Container Information:** Do not remove labels from containers until they have been cleaned.

### Section 14. Transport Information

**DOT Regulations:** Not Regulated  
**Land Transport ADR/RID (cross-border):** Not Regulated  
**Maritime Transport IMDG:** Not Regulated  
**Marine Pollutant:** No  
**Air Transport ICAO-TI and IATA-DGR:** Not Regulated

### Section 15. Regulatory Information

**EU Regulations, Hazard Symbol(s):**  
**Sodium Chloride:** Xi (Irritant)  
**Risk Phrases:** R 36 / 37 / 38, Irritating to eyes, respiratory system, and skin.  
**Safety Phrases:** S 22, Do not breathe dust.  
S 26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 36, Wear suitable protective clothing.

### Section 16. Other Information

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