MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information

Product Name or Identity: Reveal® RV Medium

Manufacturer’s Name: Acumedia Manufacturers, Inc.

Emergency Phone No.: 517/372-9200

740 East Shiawassee

Fax No.: 517/372-0108

Lansing, Michigan 48912

e-mail: foodsafety@neogen.com

Date Prepared or Revised: March 2014

Chemtrec: (800) 424-9300

Outside US and Canada: (703) 527-3887

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>26.1%</td>
<td>Xi (Irritant)</td>
</tr>
<tr>
<td>Potassium Phosphate</td>
<td>7758-11-4</td>
<td>5.2%</td>
<td>Xi (Irritant)</td>
</tr>
<tr>
<td>Magnesium Chloride</td>
<td>7786-30-3</td>
<td>48.5%</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:

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: Wear suitable protective clothing. Remove contaminated clothing. Ensure good ventilation / exhaustion at the workplace.

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

Clean-up Methods: Avoid prolonged or repeated exposure. Absorb material, ventilate area, and wash spill site after material has been cleaned up. Avoid inhalation, contact with eyes and skin. Prevent formation of dust.
### Section 7. Handling and Storage

**Handling:** Protect against physical damage. Ensure good ventilation / exhaustion. Prevent formation of dust.

**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.

<table>
<thead>
<tr>
<th>OSHA-PEL</th>
<th>REL</th>
<th>TLV</th>
</tr>
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<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
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</tr>
</tbody>
</table>

**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.
- Immediately remove all soiled and contaminated clothing.
- Avoid contact with eyes and skin

**Breathing Equipment:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hand Protection:** Use chemical resistant gloves.

**Eye Protection:** Wear safety glasses and goggles.

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

### Section 9. Physical and Chemical Properties

**Appearance and Odor:** Homogenous free-flowing powder, grey to light-blue.

**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:** Insoluble

**Danger of explosion:** Product does not present an explosion hazard.

**pH:** 5.1 ± 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 oxidizing agents.

**Hazardous Decomposition or Byproducts:** Chlorine and Phosphorus oxides, Magnesium oxide.

**Hazardous Polymerization:**
- May Occur
- Will Not Occur X

**No dangerous reactions known.**
Section 11. Toxicological Information

LD/LC50 values that are relevant:
LD\textsubscript{50} ORAL-RAT: 3,550 mg/kg (Sodium Chloride)

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)
- Potassium Phosphate: Xi (Irritant)
- Magnesium Chloride: Xi (Irritant)

**SARA 311/312**

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Yes/No</th>
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<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactivity Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

**State Right-To-Know**

- **Pennsylvania**
  - Sodium Chloride CAS No. 7647-14-5
  - Magnesium Chloride CAS No. 7786-30-3

- **New Jersey**
  - Sodium Chloride CAS No. 7647-14-5
  - Magnesium Chloride CAS No. 7786-30-3

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### Section 16. Other Information

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Acumedia Manufacturers, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.