# Safety Data Sheet

## ECMS12CPSA415CT

### Section 1. Identification

<table>
<thead>
<tr>
<th>Product Identifier</th>
<th>ECMS12CPSA415CT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms</td>
<td>N/A</td>
</tr>
<tr>
<td>Manufacturer Stock Numbers</td>
<td>N/A</td>
</tr>
<tr>
<td>Product Cas Numbers</td>
<td>7487-88-9</td>
</tr>
<tr>
<td>Recommended use</td>
<td>N/A</td>
</tr>
<tr>
<td>Uses advised against</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Manufacturer Contact**

- **Address:** UCT LLC  
  2731 Bartram Road  
  Bristol, PA, 19007  
  US

- **Phone:** (215) 781-9255  
- **Emergency Phone:** (800) 424-9300 Chemtrec  
- **Fax:** N/A  
- **CHEMTREC**

- **Email:** manastasio@unitedchem.com  
- **Website:** www.unitedchem.com

### Section 2. Hazards Identification

**Classification**

- EYE DAMAGE/IRRITATION - Category 2B  
- SKIN CORROSION/IRRITATION - Category 3

**Signal Word**

- Warning

**Pictogram**

**Hazard Statements**

- Causes eye irritation  
- Causes mild skin irritation

**Precautionary Statements**

- **Response:**  
  If eye irritation persists: Get medical advice/attention.  
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
  If skin irritation occurs: Get medical advice/attention.

- **Prevention:**  
  Wash face and hands thoroughly after handling.

- **Storage:** N/A
Disposal
General
If medical advice is needed, have product container or label at hand
Read label before use

Ingredients of unknown toxicity
0%

Hazards not Otherwise Classified
No Data Available

Section 3. Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>Ingredient Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>7487-88-9</td>
<td>Magnesium Sulfate</td>
<td>Unknown</td>
</tr>
<tr>
<td>126850-14-4</td>
<td>Primary Secondary Amino Bonded Silica Gel</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General
Consult a physician. Show this safety data sheet to the doctor in attendance.
Move out of dangerous area

Eye
Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Skin
Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Ingestion
If swallowed, wash out mouth with water, provided person is conscious. Call a physician or poison control center immediately.

Inhalation
Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Comments
If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media
Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Unsuitable Extinguishing Media
N/A

Section 6. Accidental Release Measures

Clean-up
Do not flush to sewer. Sweep up and Shovel spilled material into suitable container.

Special Protective Equipment
Wear appropriate personal protective equipment as specified in section 8.
Section 7. Handling and Storage

Storage
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Handling
Use with adequate ventilation.

Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Occupational Exposure Limits</th>
<th>Ingredient Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Magnesium Sulfate</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Primary Secondary Amino Bonded Silica Gel</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Personal Protective Equipment
Goggles, Gloves

Engineering Controls
Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Eyes and Face
Use safety glasses with side shields

Skin
Use impervious gloves. Use impervious clothing as necessary to protect against skin contact

Respiratory
Maintain adequate ventilation. Mechanical ventilation recommended. In case of exposure, use appropriate NIOSH approved respiratory protection.

Work Hygenic Practices
General industrial hygiene practice

Comments
To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment, in accordance with the OSHA PPE Standard (29 CFR 1910.132), be conducted before using this product.
### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>White or colored/Powder</td>
</tr>
<tr>
<td>Odor</td>
<td>N/A</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility</td>
<td>N/A</td>
</tr>
<tr>
<td>Partition coefficient Water/n-octanol</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC%</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1</td>
</tr>
<tr>
<td>Density lbs/Gal</td>
<td>N/A</td>
</tr>
<tr>
<td>Pounds per Cubic Foot</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>N/A</td>
</tr>
<tr>
<td>FP Method</td>
<td>N/A</td>
</tr>
<tr>
<td>Ph</td>
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</tr>
<tr>
<td>Melting Point</td>
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</tr>
<tr>
<td>Boiling Point</td>
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</tr>
<tr>
<td>Boiling Range</td>
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</tr>
<tr>
<td>LEL</td>
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</tr>
<tr>
<td>UEL</td>
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<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammability</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Section 10. Stability and Reactivity

**Stability**
(UNDER NORMAL CONDITIONS) Stable under ordinary conditions of use and storage

**Polymerization**
Hazardous polymerization will not occur

**Conditions to Avoid**
Moisture

**Hazardous Dec. Prod.**
Formed under fire conditions - carbon oxides, sodium oxides, sulfur oxides, magnesium oxides.

### Section 11. Toxicological Information

**Eye and Skin Effects**
Powder, lyophilized Liquid, Transparent brown colored liquid

### Section 12. Ecological Information

**No**
No information is available
Section 13. Disposal

Disposal
Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

Empty Container
Containers of this material may be hazardous when empty since they retain product residues (liquids). Observe all warnings and precautions listed for this product.

Section 14. Transport Information

UN Number
N/A

UN Proper Shipping Name
Not Dangerous Goods

DOT Classification
N/A

Packing Group
N/A

Section 15. Regulatory Information

TSCA
Magnesium Sulfate is listed on TSCA.

CUPSA (CAS #126850-14-4) is TSCA exempt

Section 16. Other Information

Revision Date
2/19/2016

Manufacturer Disclaimer
The data in this Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

Manufacturer Supplemental Notes
All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Statement
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