# MATERIAL SAFETY DATA SHEET

## SECTION I. IDENTIFICATION OF PRODUCT

**CHEMICAL NAME:** Calcium Oxalate Monohydrate  
**FORMULA:** \( \text{Ca}_2 \text{C}_2 \text{O}_4 \cdot \text{H}_2\text{O} \)  
**SYNONYM OR CROSS REFERENCE:** Calcium Oxalate

## SECTION II. HAZARDOUS INGREDIENTS

**MATERIAL:** Calcium Oxalate  
**NATURE OF HAZARD:** Toxic if Ingested, Inhaled

## SECTION III. PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOILING POINT</strong></td>
<td>Decomposes</td>
</tr>
<tr>
<td><strong>MELTING POINT</strong></td>
<td>Decomposes</td>
</tr>
<tr>
<td><strong>VAPOR PRESSURE (mm Hg)</strong></td>
<td>No data</td>
</tr>
<tr>
<td><strong>SPECIFIC GRAVITY</strong></td>
<td>2.12</td>
</tr>
<tr>
<td><strong>VAPOR DENSITY (AIR = 1)</strong></td>
<td>No data</td>
</tr>
<tr>
<td><strong>PERCENTAGE VOLATILE BY VOLUME (%)</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>WATER SOLUBILITY</strong></td>
<td>Insoluble</td>
</tr>
<tr>
<td><strong>EVAPORATION RATE</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>APPEARANCE</strong></td>
<td>White crystalline powder</td>
</tr>
</tbody>
</table>

## SECTION IV. FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FLASH POINT (method used)</strong></td>
<td>No data</td>
</tr>
<tr>
<td><strong>FLAMMABLE LIMITS</strong></td>
<td>Uel, Lel</td>
</tr>
<tr>
<td><strong>FIRE EXTINGUISHING MEDIA</strong></td>
<td>Water, ( \text{CO}_2 ), chemical, or sand</td>
</tr>
<tr>
<td><strong>SPECIAL FIRE-FIGHTING PROCEDURES</strong></td>
<td>No special procedures</td>
</tr>
</tbody>
</table>

## SECTION V. HEALTH HAZARD

**THRESHOLD LIMIT VALUE:** Not established  
**HEALTH HAZARDS:**  
1. Toxic by oral or Inhalation Routes.  
2. Corrosive to Mouth.  
**FIRST AID PROCEDURES:** Flush area with water, call physician
SECTION VI. REACTIVITY DATA

STABILITY: UNSTABLE
STABLE

CONDITIONS TO AVOID: X Heat, spark, or open flame

INCOMPATIBILITY (materials to avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Calcium Oxide (caustic)

HAZARDOUS MAY OCCUR CONDITIONS TO AVOID: X

POLYMERIZATION: WILL NOT OCCUR Not Applicable

SECTION VII. SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: No special procedures

WASTE DISPOSAL METHOD: No special procedures

DISPOSE OF BY MEANS AS TO COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS OR CONTACT AN APPROVED AND LICENSED DISPOSAL AGENCY.

SECTION VIII. PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type): Filter mask recommended for use with large airborne quantities.

VENTILATION: LOCAL X SPECIAL
MECHANICAL (general) OTHER

PROTECTIVE GLOVES: Gloves recommended
EYE PROTECTION: Safety glasses recommended

OTHER PROTECTIVE EQUIPMENT:

SECTION IX. HANDLING AND STORAGE PRECAUTIONS

STORAGE AND HANDLING: No special procedures

SECTION X. MISCELLANEOUS INFORMATION

INFORMATION FURNISHED BY: Roger L. Blaine
TITLE: Manager, Applications Development

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