Product: ExtendAir® CO2 Absorbent

1. Chemical Product and Company Identification

Trade Name: ExtendAir® CO2 Absorbent
Synonyms: Calcium Hydroxide mixture
Product Number: CL-XXX
Product Use: Carbon Dioxide Absorption

Manufacturer: Micropore, Inc.
Emergency Phone Numbers:
CHEMTREC: 800-424-9300
General Information: 302-731-4100
M-F, 8:30 am—5 pm EST

350F Pencader Drive
Newark DE 19702

2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number</th>
<th>Approx. Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium hydroxide</td>
<td>1305-62-0</td>
<td>85% Min.</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>3%</td>
</tr>
<tr>
<td>Potassium Hydroxide</td>
<td>1310-58-3</td>
<td>2%</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>9002-88-4</td>
<td>10% Max.</td>
</tr>
</tbody>
</table>

3. Hazardous Identification

IMMEDIATE CONCERNS: Irritant, can cause burns, may be harmful if swallowed.
POTENTIAL HEALTH EFFECTS: Corrosive to eyes and skin on contact, throat upon ingestion.
4. First Aid Measures
   Get medical attention for all cases of overexposure.
   **INGESTION:** If conscious, drink water and get medical attention. Never give anything by mouth to an unconscious person.
   **EYES:** Immediately flush thoroughly with water for at least 15 minutes.
   **SKIN:** Wash thoroughly with soap and water.

5. Fire Fighting Measures
   **FLAMMABLE LIMITS:** Not applicable
   **GENERAL HAZARD:** Does not support combustion
   **EXTINGUISHING MEDIA:** Water spray, CO2, foams and powders are suitable.
   **FLASH POINT:** Not applicable

6. Accidental Release Measures
   **RELEASE NOTES:** Wear suitable protective equipment listed under exposure / personal protection.

   Take up for proper disposal as described under disposal.

7. HANDLING AND STORAGE
   **HANDLING:** Do not get in eyes, on skin or clothing. Wash thoroughly after handling.
   **STORAGE:** Store in a dry area separate from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
   **EXPOSURE:** Avoid skin and eye contact, do not ingest.
   **PERSONAL PROTECTIVE EQUIPMENT**
   **EYES AND FACE:** N/A
   **RESPIRATORY:** N/A
   **PROTECTIVE CLOTHING:** Rubber gloves to prevent skin contact.
   **WORK HYGIENIC PRACTICES:** Do not take internally.

   **COMMENTS:** EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TWA</th>
<th>STEL</th>
<th>CL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium hydroxide</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Potassium Hydroxide</td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>
9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Odorless
APPEARANCE: White solid
pH: 12 — 14
PERCENT VOLATILE: 0—20% moisture
VAPOR PRESSURE: Not applicable
VAPOR DENSITY: Not applicable
BOILING POINT: Not applicable
MELTING POINT: Not applicable
SOLUBILITY IN WATER: Slightly soluble
EVAPORATION RATE: Not applicable

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Exposure to acids may generate heat
STABILITY: Stable under normal storage and temperature conditions.
POLYMERIZATION: Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS: None
INCOMPATIBLE MATERIALS: Acids, metals, chlorinated or nitrated organics.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: Sodium Hydroxide
LD(1c) = 500 mg/kg rabbit
Calcium Hydroxide
LD(50) = 7.3g/kg rat

TOXICOLOGICAL FINDINGS: None cited in registry of toxic effects of substances (RTECS)

12. DISPOSAL CONSIDERATIONS

Material does not have an EPA waste number and is not a listed waste. Always assure compliance with all current local, state and federal regulations.

13. TRANSPORT INFORMATION

DOT SHIPPING NAME: None
DOT ID NUMBER: N/A
14. REGULATORY INFORMATION

TSCA INVENTORY: This product is a mixture. The CAS numbers of all components are listed on the TSCA inventory.

Component | SARA EHS (302) | SARA EHS TPQ (lbs) | CERCLA RQ (lbs) | OSHA Floor list | SARA 313 | Deminimis for SARA 313
--- | --- | --- | --- | --- | --- | ---
Calcium Hydroxide |  |  |  |  | yes |  
Potassium Hydroxide |  |  |  |  | 1000 | yes  
Sodium Hydroxide |  |  |  |  | 1000 | yes  

15. OTHER INFORMATION

COMMENTS: This material is intended for use as a Carbon Dioxide absorbent. It is suitable for use in semi-closed and closed circuit breathing equipment.

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