



MSDS#: MSDS0002
Version Date: 05/21/07
Revision #: 3

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.
350F Pencader Drive
Newark DE 19702

Emergency Phone Numbers:
CHEMTREC: 800-424-9300

General Information: 302-731-4100
M-F, 8:30 am—5 pm EST

2. Composition and Information on Ingredients

Ingredients	CAS Number	Approx. Percent
Calcium hydroxide	1305-62-0	85% Min.
Sodium Hydroxide	1310-73-2	3%
Potassium Hydroxide	1310-58-3	2%.
Polyethylene	9002-88-4	10% Max.

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. .



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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

ACGIH—TLV

Ingredient:

	TWA		STEL		CL	
	PPM	MG/M ³	PPM	MG/M ³	PPM	MG/M ³
Calcium hydroxide		5				
Sodium Hydroxide					2	
Potassium Hydroxide					2	

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(lc) = 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



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14. REGULATORY INFORMATION

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

<u>Component</u>	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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