



# MATERIAL SAFETY DATA SHEET

## CARBOLIME

PART NO: S232-104-001, Rev. F  
MSDS DATE: October 6, 2014

### SECTION 1: PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Carbolime  
**Synonyms:** Sofnolime; Medisorb; Viosorb; Durasorb; ProSORB; Vivalylme; LSSA-Sorb; Stimasorb; Soda Lime

**Manufacturer:** Allied Healthcare Products, Inc.  
**Address:** 1720 Sublette Avenue, St. Louis, MO 63110

**Emergency Phone:** 314-771-2400  
**CHEMTREC Phone:** 800-262-8200  
**Other Calls:** N/A  
**FAX Phone:** 314-268-1767

**Chemical Description:** Soda lime

**Product Use:** CO<sub>2</sub> Absorbent  
**Prepared By:** Stephen Mundwiller, Director QA & RA and Jack Dabrowski, Senior Product Manager

### SECTION 2: COMPOSITION & INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Calcium Hydroxide	1305-62-0	75%	N/A	N/A
Sodium Hydroxide	1310-73-2	3%	N/A	N/A
Ethyl Violet Indicator	2390-59-2	0.03%	N/A	N/A
Other ingredients		<1%	N/A	N/A

INGREDIENT	ACGIH TLV			OSHA PEL			OTHER
	TWA	STEL	Ceiling	TWA	STEL	Ceiling	
Calcium Hydroxide	-	-	-	5mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	N/A	
Sodium Hydroxide	-	5mg/m <sup>3</sup>	-	-	-	-	
Ethyl Violet Indicator	-	-	-	-	-	-	

### SECTION 3: HAZARDS IDENTIFICATION

**Routes of Entry:** Mouth, skin, eyes  
**Potential Health Effects:**  
**Eyes:** Causes severe eye irritation



# MATERIAL SAFETY DATA SHEET

## CARBOLIME

PART NO: S232-104-001, Rev. F  
MSDS DATE: October 6, 2014

### SECTION 5: FIRE-FIGHTING MEASURES

**NFPA Hazard Classification:**

Health: 2  
Flammability: 0  
Reactivity: 0  
Other: N/A

**Extinguishing Media:** Water, foam, CO<sub>2</sub>, powder – all are acceptable  
**Special Fire-fighting Procedures:** Breathing apparatus may be necessary  
**Unusual Fire & Explosion Hazards:** Material is non-combustible. Packaging may be combustible.  
**Hazardous Decomposition Products:** N/A

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid inhaling dust; avoid skin and eye contact.  
**Environmental Precautions:** No hazard  
**Recovery:** Contain material. Sweep or vacuum up.

### SECTION 7: HANDLING & STORAGE

**Storage:** Store in a clean dry environment. Avoid direct sunlight.  
Keep containers closed.  
Store in warehouse with typical temperatures ranging from 40° F to 100° F (4° C to 37.7° C)

### SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

**Respiratory Protection:** Nuisance dust mask recommended  
**Eye Protection:** Goggles to protect against dust may be worn  
**Skin Protection:** General purpose rubber or vinyl gloves recommended  
**Hygiene:** Wash hands as soon as possible after skin contact

**EXPOSURE GUIDELINES:**

COMPONENT	TWA/8h	STEL (15 min)
Calcium Hydroxide	5 mg/m <sup>3</sup>	N/A
Sodium Hydroxide	N/A	2 mg/m <sup>3</sup>
Ethyl Violet Indicator	N/A	N/A

### SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

**Physical State:** Solid  
**Appearance:** Off-white solid  
**Odor:** None  
**pH as Supplied:** 12-14  
**Specific Gravity (H<sub>2</sub>O = 1):** 2.0 gm/cm<sup>3</sup>  
**Solubility in Water:** Slight  
**Percent Solids by Weight:** ≥ 82

### SECTION 10: STABILITY & REACTIVITY

**Stability:** Material is stable.  
**Conditions to Avoid (stability):** N/A  
**Incompatibility (material to avoid):** Avoid contact with chloroform or trichloroethylene  
**Decomposition or By-products:** Converts to calcium and sodium carbonates when exposed to air.  
Heat is generated when exposed to acids.



# MATERIAL SAFETY DATA SHEET

## CARBOLIME

PART NO: S232-104-001, Rev. F  
MSDS DATE: October 6, 2014

---

### SECTION 11: TOXICOLOGICAL INFORMATION

---

Calcium Hydroxide: LD (50) = 7.3 g/kg rat  
Sodium Hydroxide: LD (10) = 500 mg/kg rat

---

### SECTION 12: ECOLOGICAL INFORMATION

---

Ecotoxicity: No risk of prolonged damage to animal or plant life.  
Mobility: Converts to naturally occurring minerals

---

### SECTION 13: DISPOSAL CONSIDERATIONS

---

Waste Disposal Method: May require disposal by a licensed contractor and carrier. Check local ordinances.  
Should be disposed of as non-contaminated clinical waste.  
RCRA Hazard Class: N/A

---

### SECTION 14: TRANSPORT INFORMATION

---

Transport Classification: Not classified as hazardous for transport by land, sea or air  
Proper Shipping Name: Carbolime  
UN Number: N/A  
Hazard Class: N/A  
Packing Group: N/A  
Label Statement: N/A

---

### SECTION 15: REGULATORY INFORMATION

---

U.S. Federal Regulations:  
TSCA (Toxic Substance Control Act): YES  
CERCLA (Comprehensive Response Compensation & Liability Act): YES  
SARA Title III (Superfund Amendments & Reauthorization Act): N/A  
311/312 Hazard Categories: N/A  
313 Reportable Ingredients: N/A  
State Regulations: YES  
International Regulations: YES

---

### SECTION 16: OTHER INFORMATION

---

#### Non-Hazardous Ingredient Disclosure:

<u>Chemical Name:</u>	<u>CAS Number</u>	<u>% WT</u>
Water	007732-18-5	16-18

#### DISCLAIMER:

The information in this safety sheet is based on best knowledge available at the time and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application. As the specific conditions of use are outside the control of the supplier, the user is responsible for ensuring that the product is used in a safe manner and the requirements of relevant legislation are complied with.