



Airgas Puritan Medical  
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**MATERIAL SAFETY DATA SHEET, NO. 005213**  
**SODALIME**

(CO<sub>2</sub> ABSORBENT-SODA LIME U.S.P./N.F.)

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**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Issue Date: Revised February, 2003  
Distributor's Name: Puritan Medical Products, Inc.  
Address: 9101 Bond Street, Overland Park, Kansas 66214  
Emergency Phone No: 1-800-949-7937  
All other inquiries: 913-495-3600  
Manufacturer's Name: Molecular Products Ltd.  
Address: Mill End Thaxted  
Essex U.K. CM6 2LT  
Chemical Name and Synonyms: Calcium Hydroxide; Sodium Hydroxide  
Trade Name and Synonyms: SODASORB<sup>®</sup> Absorbent, Sodalime  
Chemical Family: Metal hydroxides  
Formula: Ca(OH)<sub>2</sub>, NaOH

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**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

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Material	Volume %	CAS No.	OSHA PEL	ACGIH TLV / STEL
Calcium hydroxide	> 73%	1305-62-0	5 mg/cubic meter	5 mg/cubic meter
Sodium hydroxide	< 4%	1310-73-2	2 mg/cubic meter*	2 mg/cubic meter*
Water	<19%	7732-18-5	None listed	None listed

\*Ceiling limit

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**SECTION 3 - HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW**

CAUTION! Can cause burns to eyes and skin

Effects of Overexposure

Inhalation: Dust can cause irritation and injury to the respiratory system  
Direct contact: Can cause severe irritation to the eyes on contact; can cause irritation to the skin on contact.  
Ingestion: Harmful if swallowed  
Carcinogenicity: Not listed in NTP or IARC; not regulated as a carcinogen by OSHA

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**SECTION 4 - FIRST AID MEASURES**

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Emergency and First Aid Procedures

Inhalation: Remove from exposure. Obtain prompt medical attention.  
Direct contact: Eyes Irrigate thoroughly with clean water. Obtain medical attention.  
Skin Drench with clean water.

Ingestion Wash out mouth thoroughly. Do not induce vomiting. Obtain medical attention.

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### SECTION 5 - FIRE FIGHTING MEASURES

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Flash Point: N/A  
Flammable Limit: N/A  
Autoignition N/A  
Extinguishing Media: Non-flammable.  
Special Fire Fighting Procedures: Material is non-flammable, use water, foam or CO2 on packaging.  
Unusual Fire and Explosion Hazards: None

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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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Steps to be taken in case material is released or spilled: Avoid breathing dust. Avoid skin and eye contact. Contain material. Sweep or vacuum up loose material.

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### SECTION 7 - HANDLING AND STORAGE

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Precautions to be taken in handling and storage: Store in a clean dry environment. Avoid direct sunlight. Keep containers closed.

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### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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Eye Protection: Safety goggles or glasses  
Protective Gloves: PVC or rubber  
Respiratory Protection: Nuisance dusk mask recommended.  
Other Protective Equipment: Safety shoes when handling cartons of material.

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### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Molecular Weight: N/A  
Boiling Point: N/A  
Vapor Pressure: N/A  
Specific Gravity (Air = 1.0): N/A  
Solubility in Water: Slight  
Percent Volatile by Volume: <19% water  
Evaporation Rate: Slow, water only  
Appearance, odor and state: White or colored solids

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### SECTION 10 - STABILITY AND REACTIVITY

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Stability: Stable  
Conditions to Avoid: Converts to calcium and sodium carbonate when exposed to air.  
Materials to Avoid: Acids, chloroform or trichloroethylene  
Hazardous Decomposition Products: N/A  
Hazardous Polymerization: Will Not Occur

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

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Calcium hydroxide	LD <sub>50</sub>	7.3 g/kg rat
Sodium hydroxide	LD(l <sub>o</sub> )	500 mg/kg rbt

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**SECTION 12 - ECOLOGICAL INFORMATION**

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No adverse ecological effects are expected.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

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Waste Disposal Method: Dispose of all product wastes and water rinses in accordance with current local, state, and Federal regulations.

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**SECTION 14 - TRANSPORT INFORMATION**

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DOT / IMO Shipping Name:	None
Hazard Class:	Non-hazardous material
Identification number:	N/A
Product RQ	None
Shipping Label(s)	N/A
Placard (when required)	N/A
Special Shipping Information	Ship in strong outer packaging.

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**SECTION 15 - REGULATORY INFORMATION**

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The following information concerns selected regulatory requirements potentially applicable to this product. Not all requirements are identified. Users of this product are responsible for their own regulatory compliance on a federal, state and local level.

U.S. Federal Regulations:

CERCLA:	Reportable Quantity: None
SARA	Extremely Hazardous Substances: None
	Threshold Planning Quantity: None
SARA HAZARD CLASS:	Immediate: No
	Delayed: No
	Pressure: No
	Reactivity: No
	Fire: No
SARA ANNUAL REPORT	Not required
40 CFR PART 68:	Mixture not listed
TSCA	Calcium hydroxide and sodium hydroxide are listed on the TSCA inventory.
OSHA	Components of this mixture are not listed in Appendix A.
FDA	This material is regulated as a medical device.

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## SECTION 16 - OTHER INFORMATION

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NFPA Ratings:

Health = 0  
Flammability=0  
Reactivity=0

Additional Information:

The intended use of this product is as an absorbent for carbon dioxide and other acidic gases.

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