

Carbon Dioxide Absorbents

CARBOLIME₂™ by Allied



NEW QUALITY ENHANCED COMPOSITION

CARBOLIME™ carbon dioxide absorbent is a granular soda lime absorbent for the efficient removal of carbon dioxide from closed and semi-closed patient breathing circuits. CARBOLIME is a quality compound which contains no potassium hydroxide (KOH). It is formed by proportionately mixing calcium hydroxide (Ca(OH)₂) with a small amount of sodium hydroxide (NaOH).

Available in three convenient package sizes, CARBOLIME is supplied as hard, irregularly shaped granules which have been processed to reduce dust formation from friction. Significant process improvements have resulted in enhancements in moisture content (12-19%), hardness, and porosity generation. As a result, CARBOLIME delivers dependable, efficient CO₂ absorption.

Allied's CARBOLIME meets or exceeds the United States Pharmacopoeia - National Formulary specifications for soda lime and is manufactured in accordance with the United States Food and Drug Administration (FDA), Good Manufacturing Practices (GMP), and ISO 9002 guidelines.

FEATURES

- No KOH - Minimum anaesthetic agent degradation (e.g., Sevoflurane to Compound A and other toxic products) compared to other brands containing potassium hydroxide.
- Low Dust - Minimum dust levels with the benefits of high surface area and graded particle size.
- Low risk of carbon monoxide formation due to good resistance of dry gas desiccation.
- Low Bulk Density - Less weight required to fill absorber and, therefore, less waste when refilling frequently (e.g., daily) prior to full exhaustion.
- Low odor due to reliable control of indicator dye concentration. Dye overdosing causes amines to be released; dye underdosing causes poor/no color change.
- Available in 2.5-lb. pre-packaged cartridges, 3-lb. bags for canister refill, and 5-gallon pails.

Packaged for Flexibility

Non-hygroscopic CARBOLIME™ is available in three convenient packages to meet the needs and applications of today's medical professional.

Pre-Packaged Cartridge: Sealed in an airtight safety wrapper, the disposable, pre-packaged cartridge eliminates measuring, filling and spilling. The high clarity styrene polymer body inserts smoothly into Draeger and Ohmeda anesthesia machines. Packaged 12 per case.

Bag: Heat-sealed bag is designed for convenience. The airtight plastic-and foil-lined bag contains a sufficient amount of CARBOLIME to fill a standard 1350 gram absorber canister. Packaged 12 per case.




Pail: An economical option, the rugged five-gallon plastic pail is designed for pouring applications.

Color Indicator and Regeneration

Medical grade CARBOLIME contains a small amount of ethyl violet, which acts as a color indicator when the absorbent is nearing exhaustion. CARBOLIME color is white to off-white. As CO₂ is absorbed, it reacts with the ethyl violet, which causes the granules to distinctively change to purple. The purple color will intensify to indicate exhaustion of the soda lime. When the deep purple color has penetrated to half the depth of the absorber, the used material should be discarded.

If exhausted self-indicating CARBOLIME is left to stand, its color will slowly change back to white, due mainly to a small quantity of unreacted hydroxide in the interior of the granules which slowly react with the sodium carbonate on the surface. CARBOLIME, in this apparently regenerated condition, should never be used again as it will become exhausted and its color will change again almost immediately. Therefore it is essential to empty canisters immediately after use.

ORDERING INFORMATION

Container	Catalog Number	Volume	Net Weight Each Container	Gross Weight Per Carton/Pail	Gross Weight Per Pallet
 Pre-Packaged Cartridge (12 Per Case)	#32-55-01-0005	1.36 L	2.5 lb. (1.13 kg.)	36 lb. (18.33 kg.)	1,048 lb. (475.4 kg.)
 Bag (12 Per Case)	#32-55-01-0006	1.64 L	3 lb. (1.36 kg.)	41 lb. (18.6 kg.)	1,188 lb. (538.9 kg.)
 Pail	#32-55-01-0003	1.36 L	37 lb. (16.78 kg.)	40 lb. (18.4 kg.)	1,000 lb. (453.6 kg.)