

CALCIUM CHLORIDE

Calcium chloride desiccant controls humidity and prevents moisture-related issues using its hygroscopic properties. It can be used as a multipurpose desiccant in the industrial field, such as for drying nitrogen, oxygen, hydrogen, hydrogen chloride, sulfur dioxide, and other similar compounds. Similar to silica gel desiccant, it can be regenerated by heating when saturated, restoring its moisture-absorbing capacity for reuse.



WHAT ARE THE CHARACTERISTICS OF CALCIUM CHLORIDE DESICCANT?

HIGH ADSORPTION CAPACITY
Through chemical moisture absorption, calcium chloride has the capability to achieve a moisture absorption rate of up to 300% of its own weight.

NON-TOXIC AND SAFE
Safe for diverse applications, including food packaging and humidity-sensitive environments.

VERSATILITY
Can be used in various industries, including electronics, textiles, packaging, and more, to prevent mold growth, rust.

LONG SHELF LIFE
When stored properly, Calcium Chloride desiccants have a long shelf life, retaining their effectiveness over time.

RAPID MOISTURE ABSORPTION
Calcium Chloride desiccants have a fast moisture absorption rate, making them suitable for situations where quick drying is necessary.

REGENERABILITY
Once saturated with moisture, it can be regenerated by heating, allowing it to be reused after moisture removal.

COMPATIBILITY
Calcium Chloride is compatible with a range of materials and can be safely used with various products.

ENVIRONMENTAL IMPACT
More eco-friendly than other desiccants, making it preferable for specific uses.

WHAT IS THE METHOD FOR PRODUCING RAW MATERIALS FOR CALCIUM CHLORIDE DESICCANT?

Calcium chloride, the main ingredient for desiccants, is derived from calcium carbonate found in sources like limestone. Through the Solvay process, calcium carbonate reacts with ammonia and carbon dioxide to form a calcium chloride solution. Concentrating this solution through evaporation boosts its potency. Further treatment with hydrochloric acid results in the formation of calcium chloride crystals. These crystals are meticulously processed, washed, and dried to create the high-quality raw material essential for producing effective Calcium Chloride desiccants.



WHAT CAN CALCIUM CHLORIDE DESICCANT BE USED FOR?



- PACKAGING
Placed inside product packaging to protect goods like electronics, textiles, leather goods, and food items from moisture damage during storage and transportation.



- STORAGE
Used in storage areas, closets, and small spaces to prevent mold growth, corrosion, and deterioration of items such as documents, artwork, and equipment.



- DEHUMIDIFICATION
Placed in enclosed spaces like basements, garages, and cabinets to reduce humidity levels and prevent dampness.



- SHIPPING CONTAINERS
Used in shipping containers to control humidity during international transportation, preventing moisture-related issues during transit.



WISORBENT TECHNOLOGY LLC

11 E Stow Rd, Marlton, NJ 08053, USA
info@wisesorbent.com



• For additional desiccant solutions visit wisesorbent.com •

WISORBENT TECHNOLOGY LLC

11 E Stow Rd, Marlton, NJ 08053, USA
info@wisesorbent.com

Call today
to place an order
+1 (800) 272-5238