



Name: Allen Wang

Mob/what'app : 0086-136 3645 3920

Email: info@sorbstar.com/Allen@sorbstar.com

Website:www.sorbstar.com

Manufacturer: Shanghai YanDing Drying Reagent Co.,Ltd

Exporter: Shanghai Jaqi International Trade Co.,Ltd

Add: No. 58, Hongtai Road, Hongmiao Industrial Zone, Fengcheng Town,
Fengxian District, Shanghai,china



**DMF
FREE**

About *SORBSTAR*

SORBSTAR is a leading manufacturer of desiccants and adsorbents in China, specializing in research, development, and production of moisture-absorbing and anti-corrosion solutions.

We are committed to serving diverse industries such as lithium batteries, automotive parts, electronics, food, biotechnology, hardware, machinery, and marine container shipping. With advanced manufacturing facilities, experienced R&D teams, and strict quality control systems, SORBSTAR ensures that every product meets international standards of safety, efficiency, and reliability.

Our comprehensive product portfolio includes silica gel desiccants, calcium chloride super absorbents, magnesium chloride desiccants, container desiccants, clay and mineral desiccants, strip desiccants, calcium oxide desiccants, flower drying agents, and activated carbon adsorbents.

All our desiccants are tested and certified to meet global export standards. Our desiccant products comply with REACH and ROHS standards, and we can provide SGS product test reports, halogen and sulfur element test reports, and MSDS chemical composition reports.



CONTENTS

01. Calcium Chloride Desiccant

02. Magnesium Chloride Desiccants

03. Blue Silica Gel Beads

04. Orange Silica Gel Beads

05. White Silica Gel Beads

06. Indicating Silica Gel Packets (Blue to Pink)

07. Indicating Silica Gel Packets (Orange to Green)

08. Non-Indicating Silica Gel Packets (White)

09. Indicating Silica Gel Packets (Orange & White Mixed)

10. Montmorillonite Clay Desiccant

11. Mineral Clay Desiccant

12. Container Desiccants

13. Flower Drying Crystals

Magnesium Chloride Desiccant

SORBSTAR Magnesium chloride desiccant is a powerful moisture absorber made from anhydrous magnesium chloride (MgCl_2) and starch-based polymer. It quickly absorbs moisture from the environment through a chemical reaction, turning into a solid block, which ensures safe and leak-free performance. This property ensures it remains leak-proof, safe, and ideal for use in various enclosed environments. With high absorption capacity and excellent performance in high-humidity conditions, it's a reliable solution for protecting your goods from mold, corrosion, and moisture damage.

The packaging uses durable Tyvek® Paper/Dulai Paper materials that are dust-proof, wear-resistant, and corrosion-resistant, effectively preventing dust leakage and enhancing moisture protection.

Available in various formats including hanging strips, sachets.



Magnesium Chloride Desiccant Dehumidifier Bag

SORBSTAR Magnesium Chloride Desiccant Bags are engineered for reliable moisture control in packaged goods, storage environments, and transit protection. Each sachet contains a powerful blend of anhydrous magnesium chloride and a Starch agent that absorbs ambient humidity through a chemical reaction — converting it into a solid block without leakage. The bag design ensures ease of use, safety, and compatibility with automated or manual packaging systems.

Item	Description
Main Ingredients	MgCl ₂ Powder + Starch-based polymer
Appearance	Powder (dry) → Solid block (wet)
Absorption Capacity	Up to 300% (at 50°C, 90% RH, SGS lab-tested)
Working Temperature	-20°C ~ 90°C
Humidity Range	10% ~ 100% RH
Packaging Safety	Leak-proof, dust-free, moisture-locking
Environmental Safety	Non-toxic, odorless, eco-safe, DMF-free

Reinforced Packaging:

Breathable HDPE fabric or Tyvek® Paper/Dulai Paper composite to resist dust, tear, and chemical wear

Safe & Compliant:

Free of DMF; meets **RoHS**, **REACH**, and international safety standards

Custom Sizes Available:

2g, 5g, 10g, 25g, 50g, 100g, or tailored to your specifications



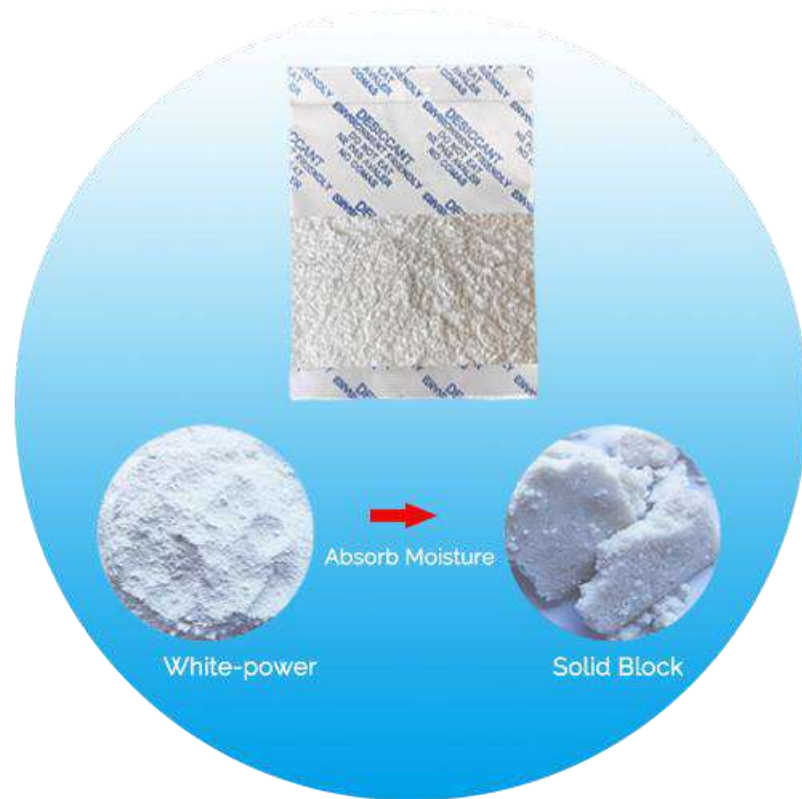
Features:

Exceptional Absorption:

Up to **300% of its weight** at 50° C and RH 90%

Leak-Free Solidification:

Moisture becomes a solid mass — no dripping, even under pressure



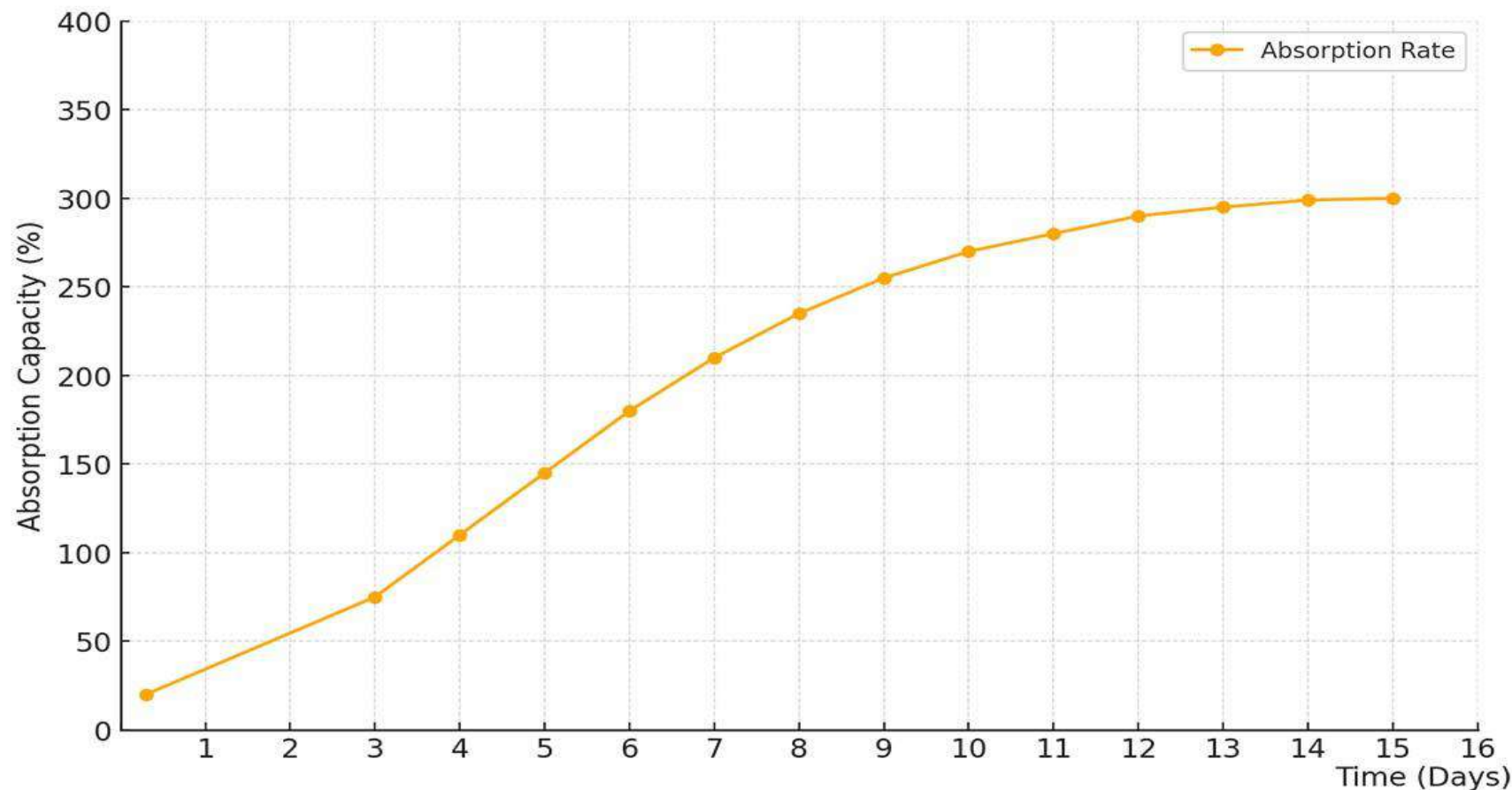
How Does It Work?

When exposed to moisture in the air, anhydrous magnesium chloride undergoes a chemical reaction that absorbs water molecules and transforms the powder into a solid mass. This process prevents reverse diffusion, ensuring that moisture is permanently trapped.

The gel remains stable and sealed—no leakage, no mess.

Moisture Absorption Curve

The following data is from SGS laboratory test results at 50°C temperature and 90% relative humidity.



Moisture Absorbing Bag Specifications

Weight (gram)	Packet Material	Size L*W (mm)	Package (pcs/ctn)	Carton Weight (kg/carton)
10	Tyvek® Paper/Dulai Paper	105*115	1250	12.5
15	Tyvek® Paper/Dulai Paper	100*110	1000	15
30	Tyvek® Paper/Dulai Paper	110*125	600	18
50	Tyvek® Paper/Dulai Paper	110*140	400	20
100	Tyvek® Paper/Dulai Paper	150*155	200	20

