



SUPER DRY

încubic®

DESICCANT

Superior Desiccant



Prevention is better than **cure**

Engineered for a long-distance ocean transportation



SUPER DRY
încubic® DESICCANT

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Why is Moisture Prevention Necessary

The Cause of Moisture Damage

Moisture damage is a widespread issue in production environments, where high moisture levels can harm raw materials, finished products and product packagings over time.

Existing moisture in materials and improper packaging contribute to the problem, increasing the likelihood of damage. The consequences of moisture damage include mold growth, odors, rust, staining, corrosion, caking, and warping.



- Storage
- Transportation

The Cause of Moisture Damage



- A** Production environments have high moisture levels.
- B** Materials and products hold varying degrees of moisture.
- C** Packaging permeability allows for potential moisture absorption.

Moisture Damage will lead to



- Deterioration during storage and transportation since most materials / products are susceptible to moisture.
- Mold, Odor, Rust, Staining & Discoloration, Corrosion, Caking, Warping.



- Container Shipping

The Cause of Moisture Damage



- A** Ocean containers hold substantial moisture from diverse sources, including cargo, packaging, flooring, and external air.
- B** Containers create a microclimate prone to significant temperature and humidity fluctuations.
- C** Warmer air retains more moisture; dramatic temperature changes trigger evaporation and subsequent condensation.

Moisture Damage will lead to



- High risk of water condensation that leads to container rain and cargo sweat.
- Mold, Odor, Rust, Staining & Discoloration, Corrosion, Caking, Warping.



Moisture prevention is crucial for daily storage and transportation as well as ocean shipping containers. To effectively prevent moisture damage, proactive measures should always be taken.

Desiccant is designed to absorb moisture from the environment, reducing relative humidity and mitigating the risk of damage.



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Calcium Chloride Desiccant

FEATURE

SUPER DRY desiccant utilizes calcium chloride and plant polymer with SUPER DRY unique formula to ensure superior moisture absorbing capability.

SUPER DRY desiccant is well received in almost all industries such as electronics, auto-parts, furniture, crafts, agriculture, apparel, footwear, luggage and metal products to safeguard against moisture damage in the transportation and storage.

Main Ingredient



High purity CaCl_2
Moisture absorption rate
exceeding 300%

Organic polymer
Rapidly transforms water into
a solid gel, NO LEAKAGE

Package Material



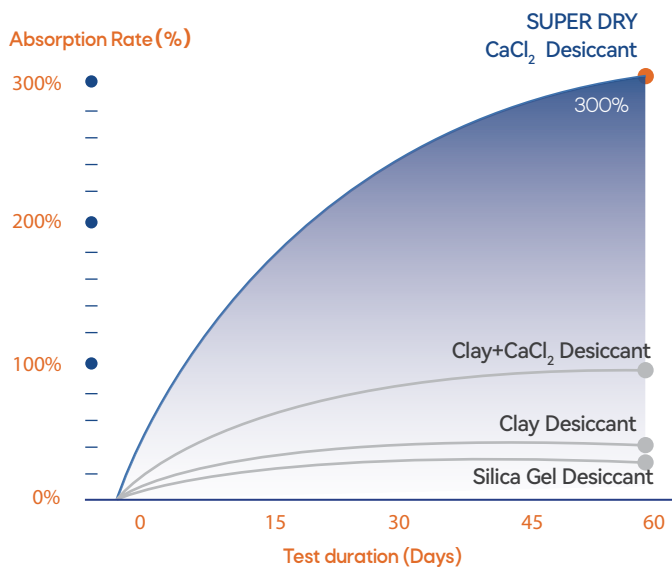
Outer Package
Composite permeable film

Inner Package
Breathable & waterproof
material with excellent flexibility

MOISTURE ABSORPTION ABILITY

In comparison to other moisture-absorbing desiccants, SUPER DRY calcium chloride desiccant demonstrates an exceptional moisture absorption capacity, surpassing other options by 8 to 15 times. It is effective across a wide temperature range from -5°C to 90°C .

By incorporating SUPER DRY desiccant in shipping containers, transport cartons and product packaging, you can ensure optimal protection for your merchandise.



Test Environment: Temperature $\geq 28^{\circ}\text{C}$, RH $\geq 85\%$ CaCl_2 : Calcium Chloride

Calcium chloride desiccant has been proven to be the **Most Effective** desiccant for ocean transportation.



Designed for
easy application.



Moisture absorption
rate exceeds 300%.



Continuous moisture
absorption for 90 days.



Moisture turns into
gel, leakage free.



Completely Non-toxic
and DMF Free.



Complies with environ-
mental standards of
Europe and America



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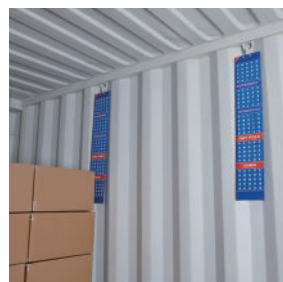
Calcium Chloride Desiccant

SPECIFICATION

Type	Product	Net Weight (gram)	Size (cm)	Packakge (pcs / carton)
Small package desiccant (Double packing, printed with 8 languages, ideal for different sizes of package.)	DS 2g(8L)	2	9.0 x 5.5	2,000
	DS 5g(8L)	5	11.5 x 5.5	1,200
	DS 10g(8L)	10	11.0 x 10.5	600
	DS 25g(8L)	25	15.0 x 10.5	400
	DS 50g(8L)	50	18.0 x 10.5	200
	DS 100g(8L)	100	18.0 x 15.0	120
Sticky desiccant (With adhesive surface for easy use.)	DS 2g(Sticker)	2	6.5 x 5.0	4,000
	DS 5g(Sticker)	5	9.0 x 5.0	2,000
Container desiccant	DS 1000g	1,000	85.0 x 17.0	12
	DP 1000g	1,000	83.5 x 15.3	14
	DS 1400g	1,400	216.0 x 16.2	8
	SQ 1000g	1,000	42.0 x 36.0	15
*GOH desiccant	DS 1700g	1,700	213.0 x 16.2	6

(*GOH: Garment On Hanger container)

APPLICATIONS



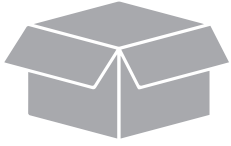


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Calcium Chloride Desiccant

DESICCANT USAGE



Desiccant Dosage in Carton (gram)

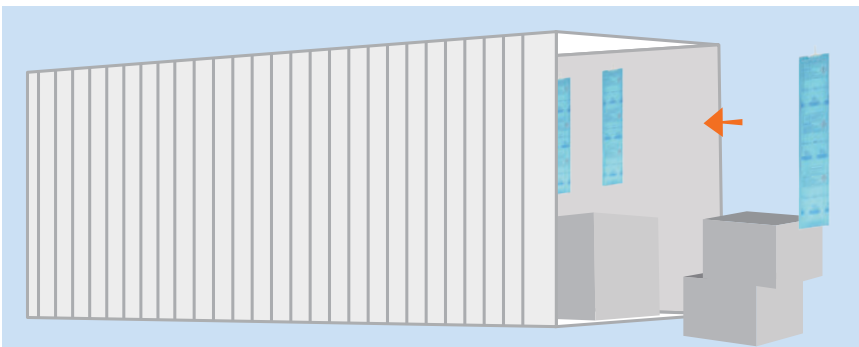
gram	Non-wet Season	Package Size (m³)	Wet Season	gram
2		< 0.01		2
4		0.01 ~ 0.029		5
7		0.03 ~ 0.059		12
12		0.06 ~ 0.089		20
20		0.09 ~ 0.119		30
25		0.12 ~ 0.19		40
50		0.20 ~ 0.39		75
75		0.40 ~ 0.59		125
110		0.60 ~ 0.79		175
150		0.80 ~ 1.00		250



Desiccant Dosage in Container (kilogram)

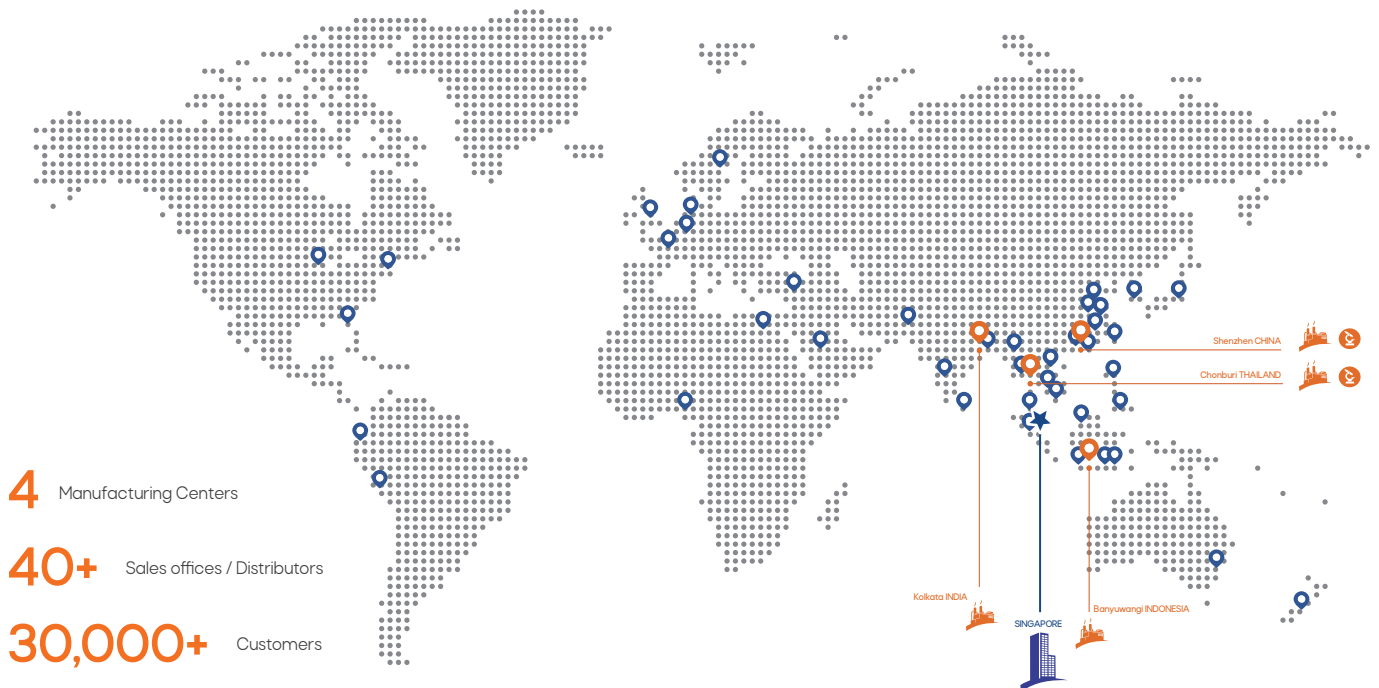
kilogram	Non-wet Season	Container Size	Wet Season	kilogram
4		20'GP		6
8		40'GP		10
10		40'HQ		12

Wet season is when Temperature $\geq 28^{\circ}\text{C}$, RH $\geq 70\%$, and monthly average rainfall $\geq 100\text{mm}$. All materials can develop mold or experience corrosion damage during the wet season. We suggest increasing the desiccant dosage during this period.



SUPER DRY INTERNATIONAL

The leading Global supplier of premium desiccants and comprehensive moisture protection solutions



Website QR code



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