



SUPER DRY

incubic® DESICCANT

Superior Desiccant



Prevention is better than cure

Engineered for a long-distance ocean transportation



SUPER DRY
incubic® 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.

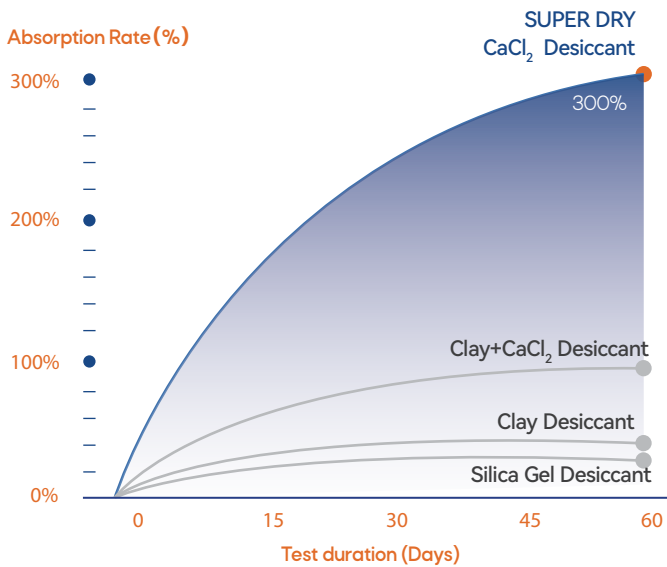
SUPER DRY desiccant is well received in almost all industries such as electronics, auto-parts, furniture, crafts, agriculture, apparel, footwear, luggage and metal products to safeguard against moisture damage in the transportation and storage.

| Main Ingredient | Package Material |
|---|--|
|  <p>High purity CaCl₂ Moisture absorption rate exceeding 300%</p> <p>Organic polymer Rapidly transforms water into a solid gel, NO LEAKAGE</p> |  <p>Outer Package Composite permeable film</p> <p>Inner Package Breathable & waterproof material with excellent flexibility</p> |

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.



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

Test Environment: Temperature ≥ 28°C, RH ≥ 85% CaCl₂: Calcium Chloride



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 environmental 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

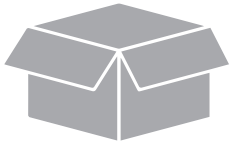




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Calcium Chloride Desiccant

DESICCANT USAGE



Desiccant Dosage in Carton (gram)

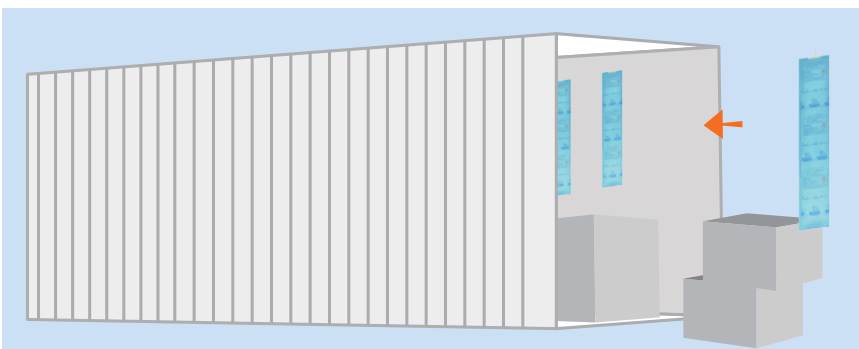
| gram | Non-wet Season | Package Size (m ³) | Wet Season | gram |
|------|----------------|--------------------------------|------------|------|
| 2 | | < 0.01 | | 2 |
| 4 | | 0.01 ~ 0.029 | | 5 |
| 7 | | 0.03 ~ 0.059 | | 12 |
| 12 | | 0.06 ~ 0.089 | | 20 |
| 20 | | 0.09 ~ 0.119 | | 30 |
| 25 | | 0.12 ~ 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)

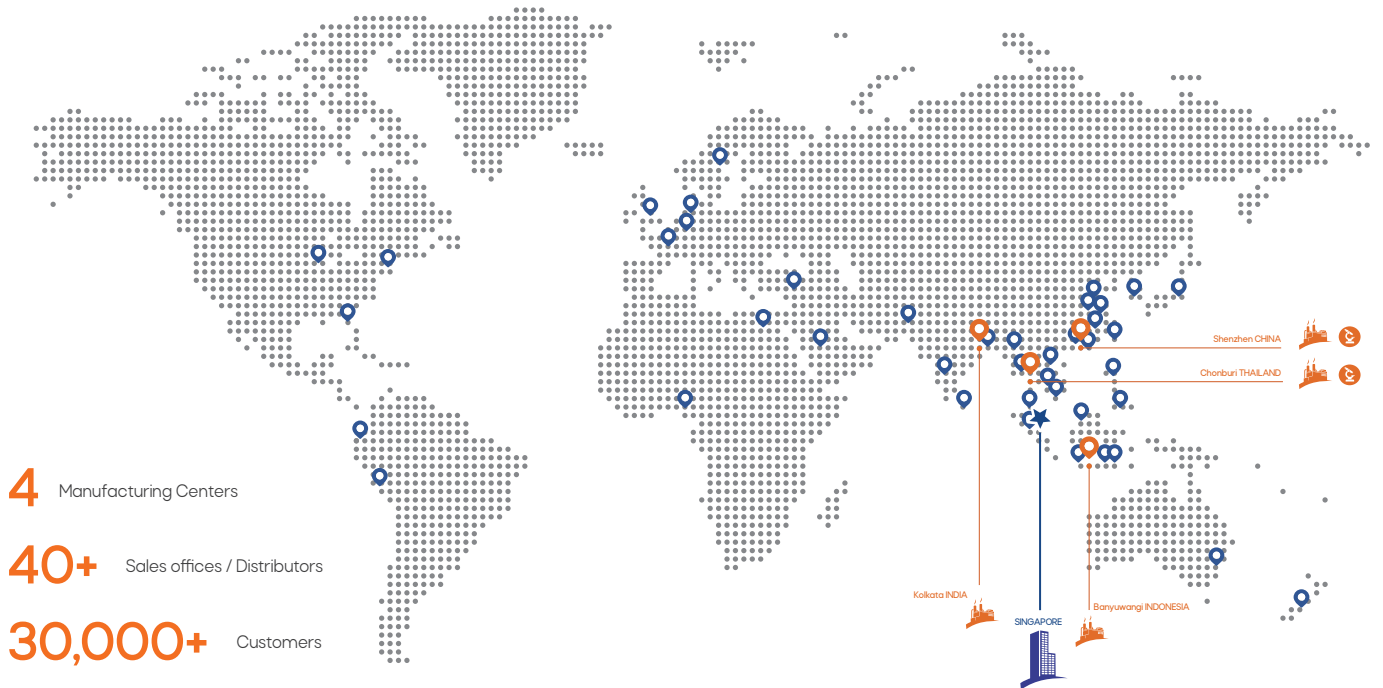
| kilogram | Non-wet Season | Container Size | Wet Season | kilogram |
|----------|----------------|----------------|------------|----------|
| 4 | | 20'GP | | 6 |
| 8 | | 40'GP | | 10 |
| 10 | | 40'HQ | | 12 |

Wet season is when Temperature ≥ 28 C, RH $\geq 70\%$, and monthly average rainfall ≥ 100 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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