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# PROTECTING YOUR PRODUCT & CARGO IS OUR PRIORITY



## Starsage Packaging



Adhesive Tapes



Air Bubble Wrap



Clay Desiccants



Silica Gel



Dunnage Air Bags



Ethylene Absorbers



Oxygen Absorbers



Plastic Pallets



Steel Pallets



Biodegradable Bags






# Container Clay Desiccants

We are proud to be a star supplier in the field of Container Clay Desiccants which are used to protect the goods during transportation and storage against effect of humidity and condensation. We are offering the solution to avoid damage caused by moisture in the shape of humidity absorbents. Our Container Clay Desiccants provide great results and great solutions to our customers no wonder why many reputed companies in Sri Lanka use our Container Clay Desiccants for packaging and transportation purposes.

Our Container Clay Desiccants helps to protect a myriad of goods from costly damage by adsorbing excess moisture during shipping and storage. Container Clay Desiccants protect any number of products, including semiconductors, electronic devices, food, equipment, machinery, military goods metal components and many other valuables. Container Clay Desiccant absorbs moisture and reduces humidity levels inside containers, cartons or boxes to prevent your cargo from moisture damage. The moisture collected is turned into a gel when absorbed by the active ingredients. The packaging bag of Container Clay Desiccants is design by Tyvek material which prevents leakage. All our products are safe and easy to handle.

Inside shipping containers, this severe condensation is known as “container rain,” “container sweat” or “cargo sweat” and causes costly product damage. It can absorb up to 90% of its own density in moisture, and controls moisture for over 50 days, keeping products safe and dry. The Container Desiccant is an Earth-friendly product, and can be disposed of conveniently and safely.

We have a range of Container Clay Desiccants suitable for your requirement

MODEL NO:	DESCRIPTION	KG/GRAMS	PICTURE
CDB1000TCS-H	1KG container desiccant in inner Tyvek bag and sewn PET non-woven bag with plastic hook (double layer)	1KG/1000GRAMS	
CDB2000TCS-H	2KG container desiccant in inner Tyvek bag and sewn PET non-woven bag with plastic hook (double layer)	2KG/2000GRAMS	
CDB1000PS-H	1KG container desiccant in sewn PP non-woven bag with plastic hook	1KG/1000GRAMS	
CDB2000PS-H	2KG container desiccant in sewn PP non-woven bag with plastic hook	2KG/2000GRAMS	
CDX1KG-H	1KG CDX container desiccant in inner Tyvek bag and sewn PP non-woven bag with plastic hook (double layer)	1KG/1000GRAMS	

# WHY?

● Why should we use Container Clay Desiccants?



## Container Clay Desiccants Recommendation



Model No:	Size	Shipping and Delivery days	20ft Container	40ft Container	40ft HQ Container
<b>Food Grade - Inner heat-sealed Tyvek bag and outer sewn polyester non-woven bag with plastic hook.</b>					
CDB1000TCS-H	1KG	12-25 days	16-20 bags	35-42 bags	37-44 bags
CDB2000TCS-H	2KG	12-25 days	8-10 bags	18-20 bags	20-22 bags
<b>Normal Grade - Sewn PP non-woven bag with hook</b>					
CDB1000PS-H	1KG	12-25 days	16-24 bags	36-48 bags	38-50 bags
CDB2000PS-H	2KG	12-25 days	10-12 bags	16-24 bags	18-26 bags
<b>Normal Grade - in inner heat-sealed Tyvek bag and sewn polyester non-woven bag with plastic hook</b>					
CDX1KG-H	1KG	12-25 days	6 bags	12 bags	14 bags
<b>Food Grade - in inner heat-sealed Tyvek bag and sewn polyester non-woven bag with plastic hook</b>					
Dry Guard 1KG	1KG	12-25 days	6 bags	12 bags	14 bags

**Note :** Above information are based on estimated facts, in reality the information may change according to the product and the destination of shipping/transporting.

**Note:** Shipping and delivery days exceeding more than 25days should be informed to us and our technical inspectors will make arrangements to guide you for effective cargo protection.



## SPECIFICATION

CDB1000TCS-H -DATA SHEET

Details	1 Kg Bag (1000grams)
Model No:	CDB1000TCS-H
Description:	1kg container desiccant in inner heat-sealed Tyvek bag and outer sewn polyester non-woven bag with plastic hook
Kind of desiccant:	formulated desiccant (a mixture of clay and calcium chloride) (activated clay desiccant)
Chemical composition of desiccant:	80-90% clay; 20-10% CaCl <sub>2</sub>
Typical Chemical composition:	CaCl <sub>2</sub> : 15 H <sub>2</sub> O: 2% SiO <sub>2</sub> : 55.04% MgO: 11.20% Al <sub>2</sub> O <sub>3</sub> : 8.79% CaO: 0.38% TiO <sub>2</sub> : 0.52% MnO: 0.04% Fe <sub>2</sub> O <sub>3</sub> +FeO: 4.85% Na <sub>2</sub> O: 1.03% K <sub>2</sub> O: 1.14%
Appearance:	grey or white spherical granular
Weight:	1000 ± 50grams
Moisture content:	<3% (150 °C)
Stack density:	800±100g/liter
The adsorption capacity of moisture:	>=70% at 30 °C and 90%RH
Bag material:	inner bag: Tyvek, 1025D/1056D, produced by Du Pont outer bag: Polyester non-woven with strong plastic hook
Bag size:	Length:230 ± 20mm Width: 220 ± 20mm Thickness: 50 ± 20mm
Style of bag:	3 sides heat-sealed/sewn
Note:	<i>Each CDB1000TCS-H can adsorb over 0.7 liter water and the weight will become over 1.7 kg. Generally, 20 bags of CDB1000TCS-H are recommended for 20 feet container and 40 bags for 40 feet container to protect against condensation damage in ocean, truck, rail and air shipping container or long term storage. CDB1000TCS-H sewn with a strong plastic hook and can be easily hanged inside the container. COBALT CHLORIDE FREE, DIMETHYL FUMARATE FREE. Humidity Indicator Cards included.</i>



## SPECIFICATION

CDB2000TCS-H -DATA SHEET

Details	2 Kg Bag (2000grams)
Model No:	CDB2000TCS-H
Description:	2kg container desiccant in inner heat-sealed Tyvek bag and outer sewn polyester non-woven bag with plastic hook
Kind of desiccant:	formulated desiccant (a mixture of clay and calcium chloride) (activated clay desiccant)
Chemical composition of desiccant:	80-90% clay; 20-10% CaCl <sub>2</sub>
Typical Chemical composition:	CaCl <sub>2</sub> : 15 H <sub>2</sub> O: 2% SiO <sub>2</sub> : 55.04% MgO: 11.20% Al <sub>2</sub> O <sub>3</sub> : 8.79% CaO: 0.38% TiO <sub>2</sub> : 0.52% MnO: 0.04% Fe <sub>2</sub> O <sub>3</sub> +FeO: 4.85% Na <sub>2</sub> O: 1.03% K <sub>2</sub> O: 1.14%
Appearance:	grey or white spherical granular
Weight:	2000 ± 100grams
Moisture content:	<3% (150 °C)
Stack density:	800±100g/liter
The adsorption capacity of moisture:	>=70% at 30 °C and 90%RH
Bag material:	inner bag: Tyvek, 1025D/1056D, produced by Du Pont outer bag: Polyester non-woven with strong plastic hook
Bag size:	Length: 310 ± 30mm Width: 220 ±20mm Thickness: 50 ± 20mm
Style of bag:	3 sides heat-sealed/sewn
Note:	Each CDB2000TCS-H can adsorb over 1.4 liter water and the weight will become over 3.4kg. Generally 10 bags of CDB2000TCS-H are recommended for 20 feet container and 20 bags for 40 feet container to protect against condensation damage in ocean, truck, rail and air shipping container or long term storage. CDB2000TCS-H sewn with a strong plastic hook and can be easily hanged inside the container. COBALT CHLORIDE FREE, DIMETHYL FUMARATE FREE. Humidity Indicator Cards included.



## SPECIFICATION

CDB1000PS-H -DATA SHEET

Details	1 Kg Bag (1000grams)
Model No:	CDB1000PS-H
Description:	1kg container desiccant in sewn PP non-woven bag with hook
Kind of desiccant:	formulated desiccant (a mixture of clay and calcium chloride) (activated clay desiccant)
Chemical composition of desiccant:	80-90% clay; 20-10% CaCl <sub>2</sub>
Typical Chemical composition:	CaCl <sub>2</sub> : 15 H <sub>2</sub> O: 2% SiO <sub>2</sub> : 55.04% MgO: 11.20% Al <sub>2</sub> O <sub>3</sub> : 8.79% CaO: 0.38% TiO <sub>2</sub> : 0.52% MnO: 0.04% Fe <sub>2</sub> O <sub>3</sub> +FeO: 4.85% Na <sub>2</sub> O: 1.03% K <sub>2</sub> O: 1.14%
Appearance:	grey or white spherical granular
Weight:	1000 ± 50grams
Moisture content:	<3% (150 °C)
Stack density:	800±100g/liter
The adsorption capacity of moisture:	>=70% at 30 °C and 90%RH
Bag material:	PP (polypropylene) non-woven, 100-150g/m <sup>2</sup> , very strong and no leaking problem
Bag size:	Length: 300 ± 50mm Width: 200 ±20mm Thickness: 50 ± 20mm
Style of bag:	3 sides sewn, with a plastic hook
Note:	Each CDB1000PS-H can adsorb over 0.7 liter water and the weight will become over 1.7kg. Generally 16-24 bags of CDB1000PS-S are recommended for 20 feet container and 32-48 bags for 40 feet container to protect against condensation damage in ocean, truck, rail and air shipping container or long term storage. CDB1000PS-H sewn with a strong plastic hook and can be easily hanged inside the container. COBALT CHLORIDE FREE, DIMETHYL FUMARATE FREE. Humidity Indicator Cards included.



## SPECIFICATION

CDB2000PS-H -DATA SHEET

Details	2 Kg Bag (2000grams)
Model No:	CDB2000PS-H
Description:	2kg container desiccant in sewn PP non-woven bag with hook
Kind of desiccant:	formulated desiccant (a mixture of clay and calcium chloride) (activated clay desiccant)
Chemical composition of desiccant:	80-90% clay; 20-10% CaCl <sub>2</sub>
Typical Chemical composition:	CaCl <sub>2</sub> : 15 H <sub>2</sub> O: 2% SiO <sub>2</sub> : 55.04% MgO: 11.20% Al <sub>2</sub> O <sub>3</sub> : 8.79% CaO: 0.38% TiO <sub>2</sub> : 0.52% MnO: 0.04% Fe <sub>2</sub> O <sub>3</sub> +FeO: 4.85% Na <sub>2</sub> O: 1.03% K <sub>2</sub> O: 1.14%
Appearance:	grey or white spherical granular
Weight:	2000 ± 100grams
Moisture content:	<3% (150 °C)
Stack density:	800±100g/liter
The adsorption capacity of moisture:	>=70% at 30 °C and 90%RH
Bag material:	PP (polypropylene) non-woven, 100-150g/m <sup>2</sup> , very strong and no leaking problem
Bag size:	Length: 400 ± 50mm Width: 200 ±20mm Thickness: 50 ± 20mm
Style of bag:	3 sides sewn, with a plastic hook
Note:	Each CDB1000PS-H can adsorb over 1.4 liter water and the weight will become over 3.4kg Generally 8-12 bags of CDB2000PS-S are recommended for 20 feet container and 16-24 bags for 40 feet container to protect against condensation damage in ocean, truck, rail and air shipping container or long term storage. CDB2000PS-H sewn with a strong plastic hook and can be easily hanged inside the container. COBALT CHLORIDE FREE, DIMETHYL FUMARATE FREE. Humidity Indicator Cards included.





## SPECIFICATION

### CDX1KG-H - DATA SHEET

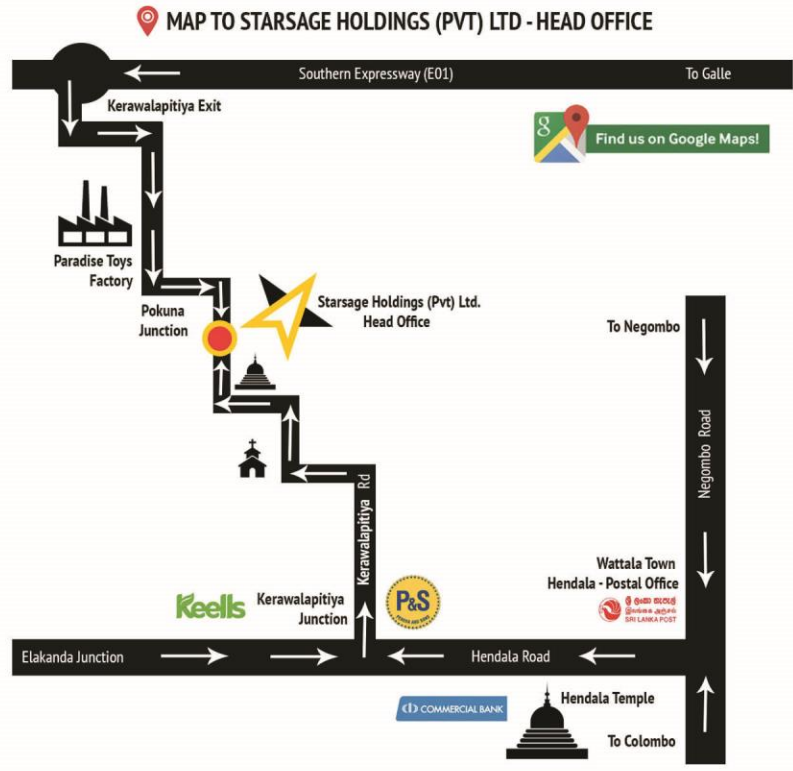
Details	1 Kg Bag (1000grams)
Model No:	CDX1KG-H
Description:	1 kg container desiccant in inner heat-sealed Tyvek bag and sewn polyester non-woven bag with plastic hook
Kind of desiccant:	CDX formulated desiccant ( calcium chloride + modified starch)
Chemical composition of desiccant:	25% modified starch +75% CaCl <sub>2</sub> h
Appearance:	white powder
Weight:	1050 ± 50grams
Moisture content:	<5% (150 °C)
The adsorption capacity of moisture:	>=200% at 30 °C and 95%RH
Bag material:	Inner bag: heat-sealed Tyvek, 1056D/1059D, produced by Du Pont Outer bag: sewn PP non-woven with strong plastic hook, about 120g/m <sup>2</sup>
Bag size:	Length: 350+/-50mm Width: 200+/-10mm Thickness: 40+/-10mm
Note:	Each CDX1KG-H can adsorb over 2 liters water and the weight will become over 3kg Generally 4-8 bags of CDX1KG-H are recommended for 20 feet container and 8-16 bags for 40 feet container to protect against condensation damage in ocean, truck, rail and air shipping container or long term storage. CDX1KG-H sewn with a strong plastic hook and can be easily hanged inside the container Do not content any COBALT CHLORIDE (CoCl <sub>2</sub> ) and DIMETHYL FUMARATE (DMF). Humidity Indicator Cards included.





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