

# Product Sheet

## CONTAINER DRI® II



### PURPOSE

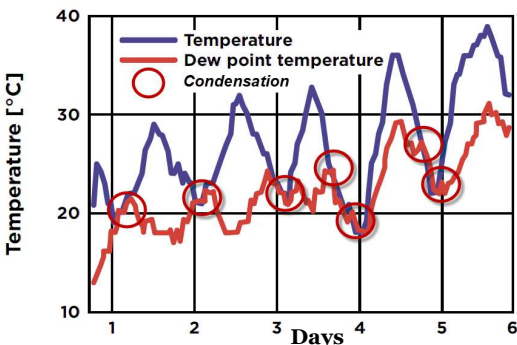
To protect cargo from the harmful effects of moisture damage during shipping via container, rail, or truck.

### WHAT IS IT?

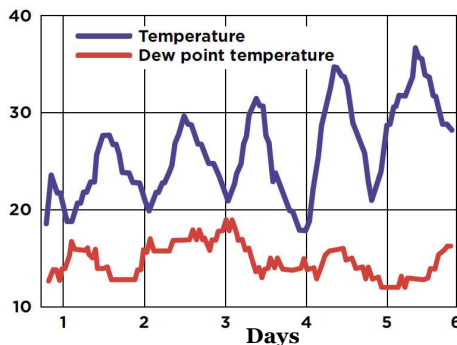
Container Dri® II is a line of specially designed cargo desiccants aimed at protecting cargo during shipping by aggressively absorbing moisture from the air. In doing so, Container Dri II reduces dew point temperature (the temperature at which condensation begins to form, causing “container rain”), keeping cargo safe and dry. The Container Dri II line includes several configurations to best fit different needs and modes of transport, and carries the Clariant EcoTain® label for products with outstanding sustainability advantages.

### WHY USE IT?

As goods move through intermodal systems, they are susceptible to damage from excessive moisture. Container Dri II adds a level of protection by reducing dew point to avoid the accumulation of condensation. Container Dri II absorbs up to three times its weight in moisture, and through an advanced formula, traps it as a thick, no-spill gel. Container Dri II has the ability to protect shipments from start to finish, through all temperature ranges and relative humidity variances, and continues to reduce the relative humidity down to levels below 40 percent RH, which decreases the dew point temperature even further.



**Transport without dew point control**  
*Condensation occurs when surface temperature and dew point temperature are equal.*



**Transport with dew point control**  
*Dew point temperature is kept below surface temperature, preventing condensation and moisture damage.*

Source: Clariant BU FM, Application and Development Dept.

**CLARIANT INTERNATIONAL LTD**  
 CARGO & DEVICE PROTECTION  
 BU FUNCTIONAL MINERALS

AUSTRALIA  
 Phone: +61 29 098 8431

BRAZIL  
 Phone: +55 12 2128-2288

CHINA  
 Phone: +86 21 2248 3000

FRANCE  
 Phone: +33 1 41 76 20 00

GERMANY  
 Phone: +49 8761 82 765

INDIA  
 Phone: +91 22 7125 1480

INDONESIA  
 Phone: +62 21 8249 7445

LATAM  
 Phone: +57 314 470 3711

SINGAPORE  
 Phone: +65 6563 0288

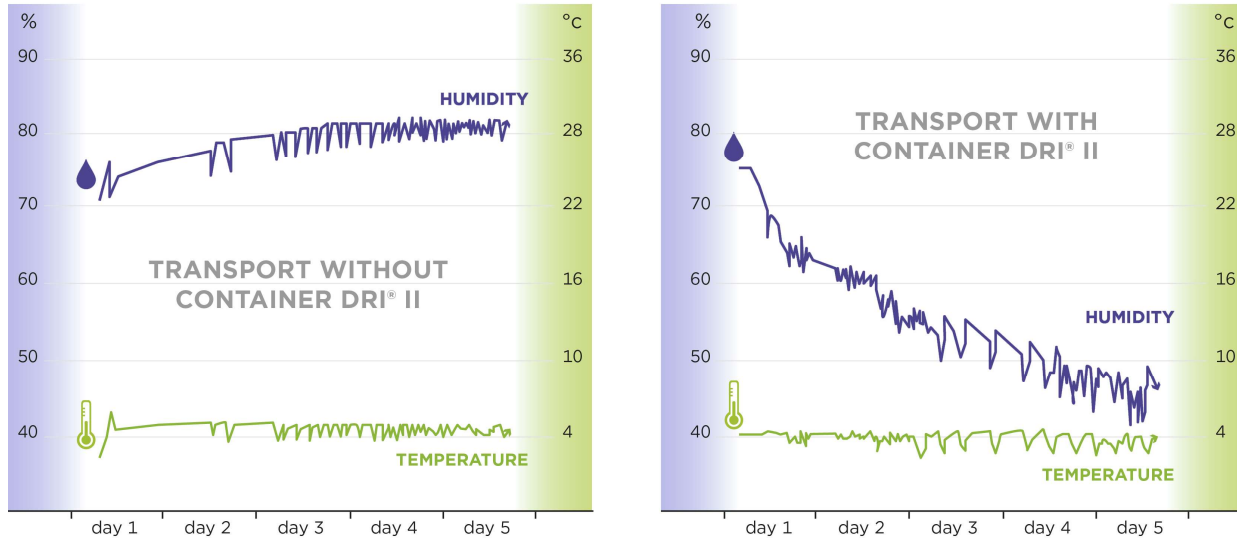
TURKEY  
 Phone: +90 216 578 2956

USA  
 Phone: +1 909 825 1793

e-mail: [desiccants@clariant.com](mailto:desiccants@clariant.com)  
[WWW.CLARIANT.COM/DESICCANTS](http://WWW.CLARIANT.COM/DESICCANTS)

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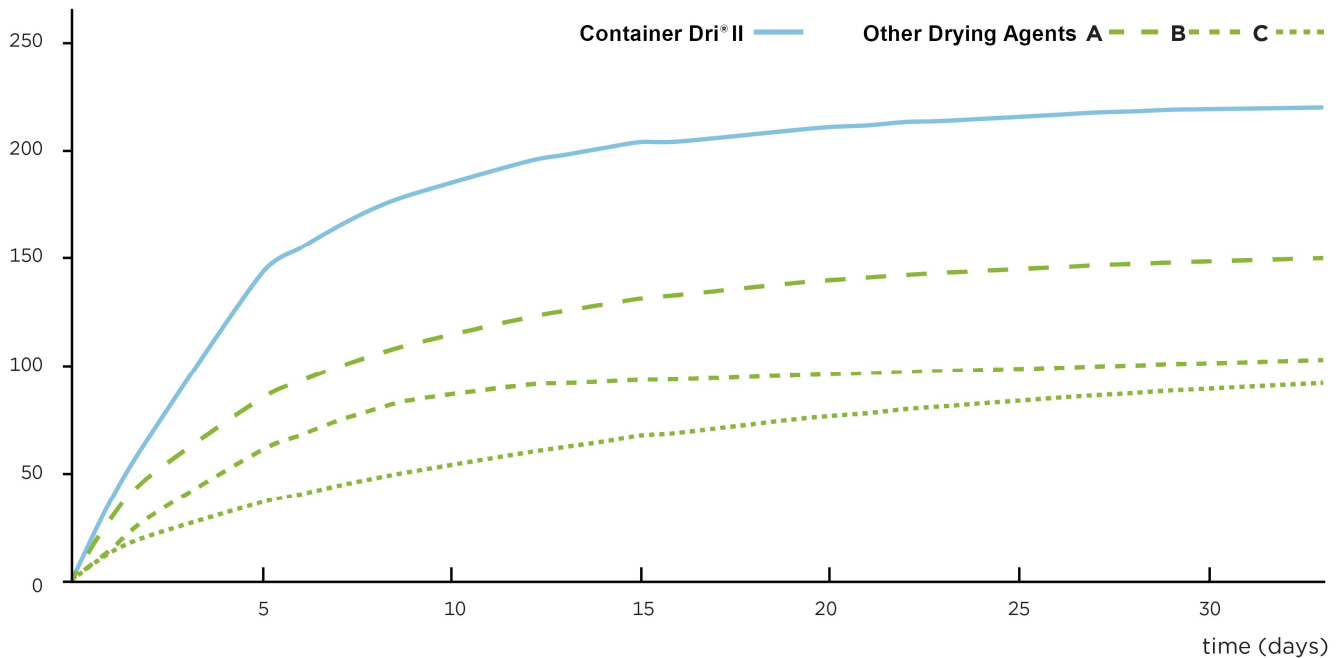
## COMPARISON OF HUMIDITY AND TEMPERATURE WITH AND WITHOUT CONTAINER DRI® II



Source: Süd-Chemie: Test Shipment of Onions from Oregon to New York (15.04.2002)

## COMPARISON OF CONTAINER DRI® II PERFORMANCE TO OTHER DRYING AGENTS

weight increase  
(relative, %)



Source: Johannes Petzold, Stefan Wiener (Institut für Beratung - Forschung - Systemplanung - Verpackungsentwicklung und -prüfung, Hochschule für Angewandte Wissenschaften Hamburg [Institute for Consulting, Research, System Planning, Packaging Development and Testing at the Hamburg University of Applied Sciences]): F+E-Projekt - Prüfbericht 6 Containertrocknungssysteme (16.04.2010), p. 9

## AVAILABLE CONFIGURATIONS

Container Dri® II is available in several configurations to best accommodate different modes and methods of shipping. The number may vary depending on shipping conditions and the nature of the products being protected. Clariant works with customers to determine the optimal number of bags needed to protect goods for the duration of their journey.

Description	Weight	Dimensions	Usage recommendation	
			20-ft Cont.	40-ft Cont.
<b>Container Dri®II</b> --individual bags either with or without adhesive backing.	125g	5.25" x 10.5"	32-36	64-72
<b>Container Dri®II-Strip</b> --adhesive strips for installation onto the walls of shipping containers.	750g	5.25" x 63"	5-6	10-12
<b>Container Dri®II-Pole</b> --designed for easy hanging inside shipping containers.	750g	5.25" x 39.75"	5-6	10-12
<b>Container Dri®II-Pack</b> --configured in a hard shell to be hung and suspended high in a container.	750g	430mm x 235mm	5-6	10-12
<b>Container Dri®II-Pack</b> --configured in a hard shell to be hung and suspended high in a container.	1500g	430mm x 475mm	3-4	5-6
<b>Container Dri®II-Plus</b> --complete with a hook and strap system that can be hung and suspended inside containers, river barges and rail cars.	1500g	20.5" x 22"	3-4	5-6

## Additional configurations available



Source: Clariant

## CONTAINER DRI® II - BENEFITS



Meets FCC Guideline  
Recommendation for Shipments  
of Cocoa Beans in Containers



ECOTAIN®

**CLARIANT ECOTAIN®**  
Distinction in Sustainability



Dispose with normal  
industrial waste



Safe for direct use  
with food products



Best performance  
in the market



Cost-effective; more absorption  
with less desiccant



Dimethyl Fumarate  
(DMFu) Free – Non-Toxic  
No SVHC (Substances of  
very high concern)



Safe and easy to handle

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