

Global Cargo Desiccant Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Cargo Desiccant market size is expected to reach \$ 979 million by 2032, rising at a market growth of 3.5% CAGR during the forecast period (2026-2032).

Cargo desiccant refers to moisture-absorbing products used during transportation and storage to prevent condensation, mold, corrosion, odor, and packaging degradation in shipped goods. In practice, it includes container-hanging systems (such as strips, poles, or chains installed inside freight containers) and in-cargo formats (bags, sachets, sheets) placed within cartons, pallets, or crates. The core value proposition is to control relative humidity and suppress “container rain” (condensation dripping from container walls/ceilings) during temperature cycling across ocean routes, ports, and inland distribution.

The upstream supply base is anchored in sorbent materials—most commonly calcium chloride systems for high-capacity moisture capture, and silica gel, clay, or molecular sieve variants for specific handling or regulatory preferences—plus nonwoven and film packaging materials, hooks, and leak-resistant containment design. Typical procurement is operational and recurring: large shippers, freight forwarders, 3PLs, and exporters buy via annual framework contracts with approved SKUs and pack configurations, while spot orders occur for seasonal humidity peaks or high-risk lanes. Product design and dosage guidance are frequently tied to container size and route duration, with supplier instructions commonly expressed in “number of strips/poles per container” for standard 20-foot and 40-foot containers.

In the current market, global production is around 302.9 kilo metric ton, with an average selling price of about 2450 USD per metric ton EXW basis. The market is structurally split between a relatively small set of globally recognized brands that support

multinational shipper programs, and a long tail of regional manufacturers (especially in Asia) supplying private-label or local-lane demand. Based on publicly described dosage practices for container-hanging formats and the scale of global containerized flows reported by UNCTAD, the total addressable volume is best modeled as a function of container throughput, route humidity risk, and adoption rate by cargo type rather than as a single commodity stream. Gross margin for cargo desiccants is estimated at 30% on a blended basis, supported by the fact that the sorbent inputs are generally commodity-like while differentiation comes from packaging engineering (leak resistance and mechanical integrity), compliance documentation, quality consistency, and the ability to support global lanes and customer audit requirements; however, public filings rarely isolate cargo desiccants as a standalone segment, so margin disclosure is typically indirect.

Looking to 2026–2032, growth is expected to track containerized trade expansion, rising quality expectations for export packaging, and tighter customer acceptance criteria around moisture damage claims, especially for corrosion-sensitive metal parts, electronics, and high-value consumer goods. Product development trends include higher-capacity calcium chloride systems with improved gel containment, more robust hanging hardware to reduce operational failures, and sustainability-driven moves toward reduced plastic waste, recyclable outer packs, and optimized dosing that lowers total material per protected shipment. Compliance and stewardship pressure is likely to increase around packaging materials, waste handling, and chemical safety communication, pushing suppliers toward clearer technical documentation and more standardized SKUs for multinational shippers. The key bottlenecks are not sorbent raw material availability but operational fit: correct dosing for route duration and seasonality, consistent installation practices at origin, and customer acceptance of performance verification (such as loggers, SOPs, and claims protocols). Top 5 suppliers control approximately 40% of global revenue (estimate), reflecting both the presence of global programs led by a handful of multi-region suppliers and the continued fragmentation of local manufacturing in high-export regions.

This report studies the global Cargo Desiccant production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Cargo Desiccant and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Cargo Desiccant that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Cargo Desiccant total production and demand, 2021-2032, (Kilotons)

Global Cargo Desiccant total production value, 2021-2032, (USD Million)

Global Cargo Desiccant production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Cargo Desiccant consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Cargo Desiccant domestic production, consumption, key domestic manufacturers and share

Global Cargo Desiccant production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Cargo Desiccant production by Deployment Mode, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Cargo Desiccant production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Cargo Desiccant market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Clariant, Absortech, Micro-Pak, Propagroup, Stream Peak International, Multisorb, Desiccare, International Dunnage, J2 Servid, DRY-BAG, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Cargo Desiccant market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Deployment Mode, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Cargo Desiccant Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Cargo Desiccant Market, Segmentation by Deployment Mode:

Container Hanging Systems

In Cargo Bags and Sachets

Pallet and Crate Protection

Warehouse and Transit Dehumidifiers

Other Cargo Moisture Control

Global Cargo Desiccant Market, Segmentation by Sorbent Type:

Calcium Chloride Based

Silica Gel Based

Clay Based

Molecular Sieve Based

Hybrid Sorbents

Global Cargo Desiccant Market, Segmentation by Package Form:

Strip

Pole

Bag

Sheet

Rigid Pack

Global Cargo Desiccant Market, Segmentation by Application:

Food and Agricultural Bulk

Forest Products

Textiles and Leather

Metals and Machinery

Electronics and Precision Goods

General Consumer Goods

Companies Profiled:

Clariant

Absortech

Micro-Pak

Propagroup

Stream Peak International

Multisorb

Desicare

International Dunnage

J2 Servid

DRY-BAG

Chunwang

AbsorbKing

Super Dry

Shanghai Jianxin

Shanghai Yixuan

Chengfeng Packaging

Key Questions Answered:

1. How big is the global Cargo Desiccant market?

2. What is the demand of the global Cargo Desiccant market?
3. What is the year over year growth of the global Cargo Desiccant market?
4. What is the production and production value of the global Cargo Desiccant market?
5. Who are the key producers in the global Cargo Desiccant market?
6. What are the growth factors driving the market demand?

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