

Global Cargo Desiccant Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Cargo Desiccant market size was valued at US\$ 764 million in 2025 and is forecast to a readjusted size of US\$ 979 million by 2032 with a CAGR of 3.5% during review period.

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 is a detailed and comprehensive analysis for global Cargo Desiccant market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Deployment Mode and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some

of the selected leaders for the year 2025, are provided.

Key Features:

Global Cargo Desiccant market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Cargo Desiccant market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Cargo Desiccant market size and forecasts, by Deployment Mode and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Cargo Desiccant market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Cargo Desiccant

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Cargo Desiccant market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Cargo Desiccant market is split by Deployment Mode and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Deployment Mode, and by Application in terms of volume and

value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Deployment Mode

Container Hanging Systems

In Cargo Bags and Sachets

Pallet and Crate Protection

Warehouse and Transit Dehumidifiers

Other Cargo Moisture Control

Market segment by Sorbent Type

Calcium Chloride Based

Silica Gel Based

Clay Based

Molecular Sieve Based

Hybrid Sorbents

Market segment by Package Form

Strip

Pole

Bag

Sheet

Rigid Pack

Market segment by Application

Food and Agricultural Bulk

Forest Products

Textiles and Leather

Metals and Machinery

Electronics and Precision Goods

General Consumer Goods

Major players covered

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

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Cargo Desiccant product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cargo Desiccant, with price, sales quantity, revenue, and global market share of Cargo Desiccant from 2021 to 2026.

Chapter 3, the Cargo Desiccant competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Cargo Desiccant breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Deployment Mode and by Application, with sales market share and growth rate by Deployment Mode, by Application, from 2021 to

2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Cargo Desiccant market forecast, by regions, by Deployment Mode, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Cargo Desiccant.

Chapter 14 and 15, to describe Cargo Desiccant sales channel, distributors, customers, research findings and conclusion.

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