+357 96 030922
info@marketpublishers.com

Global Volatile Corrosion Inhibitors (VCI) Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G3ADCD3D8C9EEN.html
Date: January 2026
Pages: 127
Price: US$ 4,480.00 (Single User License)
ID: G3ADCD3D8C9EEN

Abstracts

The global Volatile Corrosion Inhibitors (VCI) market size is expected to reach $ 859 million by 2032, rising at a market growth of 4.7% CAGR during the forecast period (2026-2032).

Vapor Corrosion Inhibitor is a corrosion-control approach in which inhibitor molecules volatilize from a carrier and migrate through the air inside an enclosed pack, then adsorb onto metal surfaces to create a temporary protective barrier. In practice, it is most commonly delivered through packaging materials so that metal parts can be protected in storage, domestic distribution, and export shipments without applying oils, greases, or coatings that must later be removed. Supply chains value it because protection happens inside voids and recessed features that are hard to coat uniformly, and because “pack and ship” workflows can stay clean and repeatable. Typical commercial delivery formats include inhibitor-treated paper for wrapping and interleaving, polyethylene-based films that can be sealed, pre-made bags and liners for unit packs or crates, and accessory inserts used to increase inhibitor availability inside larger enclosures.

Upstream, the core inputs are familiar packaging feedstocks, but performance depends on how the inhibitor chemistry is embedded and released. Producers rely on kraft paper, polyolefin resins, carrier systems such as masterbatches, and coating or impregnation additives, then use converting steps like extrusion or coating, lamination, printing, and bag making to define seal quality, puncture resistance, and barrier behavior. The technical “make or break” is controlling inhibitor loading and release rate while maintaining packaging mechanics and cleanliness—too little inhibitor or poor enclosure integrity leads to early corrosion, while poor compatibility can create odor, residue concerns, or inconsistent protection on mixed metal assemblies. Because the

+357 96 030922
info@marketpublishers.com

protection mechanism depends on headspace transport and surface adsorption, suppliers also spend heavily on application engineering that links packaging design to real routes, dwell times, humidity cycles, and the metal mix being shipped.

Demand is pulled by industries where corrosion is an economic risk rather than a cosmetic nuisance. Buyers cluster in metalworking and machining supply chains, automotive and component exporters, aerospace and defense maintenance logistics, and process equipment makers that ship spares and assemblies globally. Purchasing is rarely a simple spot buy: users typically run corrosion tests and packout trials to lock a “recipe” that includes packaging form, enclosure tightness, and handling steps, then convert that recipe into approved grades, widths, gauges, and bag sizes. After qualification, procurement usually moves to annual framework agreements and approved vendor lists, with dual sourcing where shipment failure consequences are high. Change control is central—substrate switches, reformulated inhibitor systems, or even ink and adhesive changes can trigger revalidation because users are trying to avoid repeating long test cycles and avoid field claims.

In the current market, global production is around 101,420 MT, with an average selling price of about 6,016 USD per MT EXW basis. Industry concentration is moderate, with Top 5 suppliers controlling approximately 40 percent of global revenue, while a long tail of regional converters and local brands compete on lead time, customization, and on-site technical support. Demand remains structurally strongest in North America and Europe because export packaging practices are mature and installed bases of metal parts logistics are large, while China and the wider Asia region continue to gain share as automotive components, machinery, and electronics exports expand. Over the next six years, growth is expected to be driven by longer and more complex logistics lanes that increase corrosion exposure, a rising share of mixed-metal assemblies that need multi-metal protection, and a continued preference for cleaner dry protection that reduces downstream cleaning burden and helps compliance in sensitive factories. Product development is trending toward nitrite-free systems, more recyclable or downgauged substrates, lower-odor and lower-residue formulations, and packaging solutions that combine corrosion inhibition with improved moisture management. Many suppliers are also moving toward digital and AI-enabled packaging programs—using route and season data, packout parameter libraries, and predictive analytics to shorten qualification loops, reduce repeat incidents, and optimize material usage. Key bottlenecks include volatility in paper and resin costs that can force substrate substitutions, long qualification and requalification timelines for critical exporters, and tighter environmental or chemical stewardship requirements that can constrain certain chemistries and slow rollout of new formulations even when demand is rising.

+357 96 030922
info@marketpublishers.com

This report studies the global Volatile Corrosion Inhibitors (VCI) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Volatile Corrosion Inhibitors (VCI) 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 Volatile Corrosion Inhibitors (VCI) that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Volatile Corrosion Inhibitors (VCI) total production and demand, 2021-2032, (MT)
Global Volatile Corrosion Inhibitors (VCI) total production value, 2021-2032, (USD Million)
Global Volatile Corrosion Inhibitors (VCI) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MT), (based on production site)
Global Volatile Corrosion Inhibitors (VCI) consumption by region & country, CAGR, 2021-2032 & (MT)
U.S. VS China: Volatile Corrosion Inhibitors (VCI) domestic production, consumption, key domestic manufacturers and share
Global Volatile Corrosion Inhibitors (VCI) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MT)
Global Volatile Corrosion Inhibitors (VCI) production by Form, production, value, CAGR, 2021-2032, (USD Million) & (MT)
Global Volatile Corrosion Inhibitors (VCI) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MT)

This report profiles key players in the global Volatile Corrosion Inhibitors (VCI) 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 Cortec Corporation, Northern Technologies International Corporation, Daubert Cromwell, Propagroup, BRANOpac GmbH, Armor Protective Packaging, Intertape Polymer Group, Transcendia, AICELLO CORPORATION, Rust-X, 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

+357 96 030922
info@marketpublishers.com

used in analyzing the World Volatile Corrosion Inhibitors (VCI) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (MT) and average price (USD/Kg) by manufacturer, by Form, 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 Volatile Corrosion Inhibitors (VCI) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Volatile Corrosion Inhibitors (VCI) Market, Segmentation by Form:

VCI Paper

VCI Film

VCI Bag

Others

+357 96 030922
info@marketpublishers.com

Global Volatile Corrosion Inhibitors (VCI) Market, Segmentation by Metal System:

Ferrous Metals

Non Ferrous Metals

Multi Metal

Global Volatile Corrosion Inhibitors (VCI) Market, Segmentation by Packaging Role:

Primary Wrap

Interleaving

Bags and Liners

Shrouds and Covers

Emitters and Accessories

Others

Global Volatile Corrosion Inhibitors (VCI) Market, Segmentation by Application:

Metallurgy Industry

Aerospace Industry

Automotive Industry

Oil Gas and Process Industries

Electronics Industry

Others

+357 96 030922
info@marketpublishers.com

Companies Profiled:

Cortec Corporation

Northern Technologies International Corporation

Daubert Cromwell

Propagroup

BRANOpac GmbH

Armor Protective Packaging

Intertape Polymer Group

Transcendia

AICELLO CORPORATION

Rust-X

Sealed Air

VCIplus

Suzhou Rustop Protective Packaging

Tianjin Weisai Technology Development

Shenyang Rustproof Packaging Material

Key Questions Answered:

1. How big is the global Volatile Corrosion Inhibitors (VCI) market?
2. What is the demand of the global Volatile Corrosion Inhibitors (VCI) market?
3. What is the year over year growth of the global Volatile Corrosion Inhibitors (VCI) market?
4. What is the production and production value of the global Volatile Corrosion Inhibitors

+357 96 030922
info@marketpublishers.com

(VCI) market?
5. Who are the key producers in the global Volatile Corrosion Inhibitors (VCI) market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

6 MARKET ANALYSIS BY APPLICATION

7 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Volatile Corrosion Inhibitors (VCI) Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/G3ADCD3D8C9EEN.html

Price: US$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G3ADCD3D8C9EEN.html