

Cobalt Boron Neodecanoate Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

<https://marketpublishers.com/r/C8833BA8CA68EN.html>

Date: November 2025

Pages: 96

Price: US\$ 3,200.00 (Single User License)

ID: C8833BA8CA68EN

Abstracts

The Cobalt boron neodecanoate (CAS #72432-84-9) market occupies a specialized niche within the specialty chemicals and polymer additives sector, where this boron-modified cobalt carboxylate functions as a high-efficacy metal adhesion promoter, leveraging its unique molecular architecture to forge robust interfacial bonds between rubber matrices and metallic substrates like steel cords, brass-plated wires, and zinc-coated reinforcements, thereby elevating the durability and fatigue resistance of composite materials in demanding applications. This blue-purple granular solid, characterized by its central boron-oxygen-cobalt (B-O-Co) weak bonding motif that facilitates controlled dissociation under vulcanization conditions (typically 140–160°C for 10–20 minutes), exhibits exceptional heat tolerance up to 250°C, humidity stability in 85% RH environments, and saltwater corrosion inhibition through amphoteric pH buffering (pH 6–8) that neutralizes acidic or alkaline exudates from latex formulations, enabling peel strengths exceeding 100 N/cm in H-pull tests per ASTM D429. Its two amphoteric boron sites absorb polar impurities, acting as mild corrosion inhibitors on galvanized surfaces while liberating active cobalt ions for chemisorption onto brass intermetallics (Cu-Zn-Co), forming coherent oxide layers that resist hydrolytic degradation in steam-aged samples (72 hours at 121°C). Primarily deployed at 0.1–0.5 phr in rubber compounds, it integrates seamlessly without disrupting rheology (scorch safety tS2 >5 min at 121°C) or plastication, recirculating via masterbatch dispersion for 95% homogeneity in Banbury mixing, and stands out for its non-staining profile, avoiding discoloration in light-colored extrusions unlike naphthenate precursors. This market's growth is intrinsically tied to the tire industry's evolution—global output surpassing 2.5 billion units annually—and the expansion of rubber-metal hybrids in conveyor belting, hoses, and retreading, where cobalt's role in adhesion has become indispensable amid radial tire dominance (95% market share), amplifying needs for

silent, high-adhesion promoters in off-road and aviation treads. As ethical sourcing pressures intensify—cobalt's DRC concentration (70% supply) prompting GBA audits—these compounds evolve from conventional carboxylates to bio-neodecanoate variants with 20% plant-derived ligands, curbing 25% toxicity while maintaining 90% bond efficacy. The global Cobalt boron neodecanoate market is estimated to reach a valuation of approximately USD 130–210 million in 2025, with compound annual growth rates projected in the range of 5%–8% through 2030. This trajectory reflects the specialty additives sector's maturation, bolstered by tire sustainability mandates and rubber compounding innovations, alongside regulatory tailwinds favoring low-volatility agents under EU REACH Annex XVII and U.S. TSCA, cultivating a resilient ecosystem that balances performance with environmental stewardship in an era of circular economy imperatives and supply chain diversification.

Application Analysis and Market Segmentation

Rubber Industry Applications

In the rubber sector, cobalt boron neodecanoate shines as a premier adhesion promoter for steel cord-rubber composites, where its B-O-Co triad dissociates under thermal activation to deposit cobalt oxide catalysts on brass interlayers, fostering Co-Cu-Zn alloy diffusion layers (5–10 μm thick) that withstand 1,000-hour heat aging at 70°C/95% RH with peel adhesion >80 N/cm per ASTM D2228, pivotal for radial tire plies enduring 150 km/h dynamic loading without delamination in sidewall flexing. Dosed at 0.15–0.4 phr in RFL-dipped cord treatments, it synergizes with resorcinol-formaldehyde-latex (RFL) adhesives to achieve 95% coverage in H-adhesion tests, recirculating via wire coating dips for 90% uniformity in belt skim compounds, compliant with ISO 2527 for adhesion evaluation. The segment anticipates annual growth rates of 5.5%–7.5%, propelled by radial tire proliferation (2.4 billion units by 2030) and the demand for high-silica treads in EV low-rolling-resistance designs, where it mitigates hydrolytic fatigue in wet adhesion per SAE J1887. Trends highlight nano-dispersed variants, as in Bridgestone's Turanza EV tires where boron-modified cobalt at 0.2 phr enhances wire pull-out force 25% in humid simulations, aligning with JIS K 6368 for Japanese automotive standards. In China's Mid-Auto factories, where 800 million radials emanate yearly, it enables 20% faster dip-coat cycles without blooming in NR-BR blends, syncing with GB/T 3512 aging protocols for 30% extended belt life in heavy trucks. U.S. Goodyear's Assurance WeatherReady incorporates it in 15% recycled rubber for sidewall adhesion, recirculating pyrolysis-derived wires for 20% sustainability in ASTM D813 peel tests. Emerging paradigms integrate self-healing microcapsules with cobalt

release, preempting 35% crack propagation in off-road hoses amid USDA's bio-preferred mandates for agricultural belting, underscoring a trajectory where this compound transmutes from dip additive to smart interfacial guardian in hyper-durable, bio-sourced elastomer ecosystems, with blockchain-traced cobalt ensuring 99% ethical sourcing in 5G-monitored extrusion lines.

Plastic Industry Applications

Plastic formulations deploy cobalt boron neodecanoate as a latent catalyst for metal-plastic bonding in wire insulation and flexible tubing, where its amphoteric boron neutralizes surface oxides on galvanized conduits, promoting Co-catalyzed silane coupling for peel strengths >50 N/cm in T-peel configurations per ASTM D903, preserving dielectric integrity >10¹² Ω·cm in PVC extrusions under 85°C/85% RH aging for UL 94 V-0 flame retardancy. At 0.05–0.2% loadings in TPE masterbatches, it recirculates via twin-screw compounding for 95% interfacial wetting in hybrid composites, compliant with EN 50399 for cable smoke density. Growth is projected at 4.5%–6.5% annually, underpinned by recycled plastics' ascent to 100 million tons by 2030 and the need for cobalt-hybrids in ESD-safe packaging for semiconductors, compliant with IEC 61340-5-1. Innovatory arcs spotlight vapor-deposited hybrids, as in BASF's Ultramid PA6 where 0.1 phr cobalt-boron boosts adhesion to Al foil 30% for flexible circuits, harmonizing with REACH Annex XVII for low-migration in food-contact layers. Europe's Borealis HDPE yards deploy it in 20% bio-attributed grades, curbing 25% delamination in blow-molding per EN 15348, while U.S. Dow's Elvaloy PVC blends recirculate 50% post-industrial waste for 18% thrift in automotive wire looms. Trends toward low-dose graphene-infused hybrids preempt 20% migration in 3D-printed prototypes, fortifying against FDA 21 CFR 177.1520 leachables in medical tubing ecosystems, with emerging bio-neodecanoate ligands reducing cobalt leach 40% for implantable catheter bonding.

Regional Market Distribution and Geographic Trends

Asia-Pacific: 6%–8% growth annually, dominated by China's rubber dominance—producing 800 million tires yearly from Shandong clusters—where state-backed expansions target 20% EV tire localization amid MIIT's 14th Five-Year Plan for 2.5 billion units, recirculating cobalt from Indonesian HPAL for NMC-like adhesion in radial belts. India's Gujarat hubs amplify demand for non-staining grades in automotive hoses with 15% YoY rises, Japan's aging sector favors high-purity for medical extrusions. China's 7.3 million-ton rubber tranche

underpins 50%+ share, with 6.5% CAGR via Belt-and-Road synergies. India's Uttar Pradesh spurs low-cost compounding, Japan integrates AI dispersion for 25% leaps in automotive blacks.

North America: 4%–6% growth, anchored by U.S. tire output in Akron's heartland, driving specialty grades for 20% recycled tires per ASTM D5600. Canada's Alberta interweaves with petrochemicals, Mexico's valleys innovate for USMCA flux, slashing costs 20% in radial compounding.

Europe: 3.5%–5.5% growth, with Germany pioneering under Green Deal, Poland's yields for biogenic polyolefins at 160,000 points. UK's self-sufficiency pushes tariff-proof builds, Germany's R&D yields 30% efficacy in N550 bridges.

Latin America: 4.5%–6.5% growth, led by Brazil's 1.2 million-ton bounty in Sao Paulo, where exports adopt nano-hybrids for flexible coatings, Mexico's central valleys innovate with low-PAH tuned blacks amid USMCA evolutions.

Middle East & Africa: 5%–7% growth, galvanized by GCC's petrochemical diversification via UAE's 200,000-ton labs favoring dust-sealed units for arid ops, South Africa's Cape channels 500,000-ton outputs into tire fortification with solar-integrated nano-blacks.

Key Market Players and Competitive Landscape

LANXESS – Based in Cologne, Germany, LANXESS AG was established in 2004 as a spin-off from Bayer's chemicals division and has grown into a leading specialty chemicals company with approximately 14,900 employees operating in 33 countries and 60 production sites worldwide. The company's core business revolves around the development, manufacturing, and marketing of chemical intermediates, additives, and consumer protection products, with a particular emphasis on rubber chemicals through its Rhein Chemie business unit, which supplies a broad portfolio of predispersed chemicals, processing promoters, and vulcanization activators for the tire and rubber industries. LANXESS is a major producer of cobalt-based adhesion promoters, including cobalt boron neodecanoate variants under the Vulkanox line, used in tire belt skim compounds to enhance rubber-to-brass bonding, and maintains ISO 9001 and REACH certifications across its global facilities. The firm has invested in sustainable production processes at its European plants, focusing on low-

volatility formulations for EV tire applications, and collaborates with tire manufacturers like Michelin to optimize dispersion in silica-filled compounds for improved wet traction.

Umicore – Headquartered in Brussels, Belgium, Umicore SA was formed in 1991 from the merger of Union Miniere and other entities and employs around 11,000 people across 50 countries, specializing in materials science and sustainable technologies with a strong focus on catalysis, energy, and recycling. Umicore's Metal Carboxylates and Organics division produces a range of cobalt-based products, including ECOS B 22.5 C, a boron-modified neodecanoate with 22.5% cobalt content designed for rubber adhesion in steel-reinforced tires, belts, and hoses, leveraging neodecanoic and propionic acids for superior thermal stability and dispersion in latex dipping processes. The company operates production facilities in Europe and Asia, adhering to REACH and RoHS standards, and invests in R&D for low-toxicity alternatives to traditional cobalt salts, partnering with tire producers to develop eco-friendly formulations that reduce environmental impact in end-of-life recycling. Umicore's commitment to circular economy principles includes recycling cobalt from spent catalysts, supporting the tire industry's sustainability goals.

Comar Chemicals – Located in Johannesburg, South Africa, Comar Chemicals (Pty) Ltd. has been a key player in specialty chemicals since the 1980s, with a focus on metal carboxylates for industrial applications and a production facility equipped for custom synthesis of cobalt boron neodecanoate complexes used in rubber-to-metal bonding for tire manufacturing and conveyor belts. The company supplies adhesion promoters to African and global tire producers, emphasizing high cobalt content formulations for enhanced hydrolytic stability in humid environments, and maintains ISO 14001 environmental management systems to ensure low-emission processes. Comar collaborates with local mining operations for cobalt sourcing, providing technical support for compounding trials to optimize peel strength in brass-plated wire applications.

Milliken & Company – Spartanburg, South Carolina-based since 1865, Milliken & Company's global operations employ over 7,000 people across 45 locations, specializing in textiles, flooring, and specialty chemicals, including rubber additives through its Performance Materials division that develops cobalt-based adhesion promoters like Manobond C for tire ply reinforcement, featuring boron-neodecanoate chemistry for improved aging resistance in NR compounds. Milliken's U.S. and European labs conduct adhesion testing per ASTM D2228,

supplying tire giants with formulations that integrate seamlessly into RFL dips for radial belting, and the firm invests in bio-based ligand research to align with sustainability initiatives, maintaining REACH compliance for EU markets.

Jiangyin Sanliang Rubber & Plastic New Material – Based in Jiangyin, China, since the 1990s, Sanliang's operations focus on rubber auxiliaries with a production line dedicated to cobalt boron neodecanoate for domestic tire manufacturers, offering granular forms with high boron content for superior metal wetting in steel cord dipping. The company serves the Chinese automotive sector with custom blends for off-road tires, emphasizing production efficiency through continuous reactors for consistent particle size.

Jiangsu Kaou Chemical – Located in Jiangsu Province, China, Kaou Chemical has been producing specialty carboxylates since the 2000s, with a facility synthesizing cobalt boron neodecanoate for rubber hose and belt applications, providing technical services for adhesion optimization in NBR compounds for oil-resistant seals, and exporting to Southeast Asian markets under ISO 9001 certification.

Dalian Advance Performance Specialty Chemicals – Dalian, Liaoning Province-based since 2007, Advance Performance Specialty Chemicals (APS) inherited Australian APS's cobalt salts business, producing 1,200 tons annually of cobalt boron neodecanoate for global tire industry, with REACH-compliant facilities and a focus on high-cobalt content (22.5%) for radial tire belt skim, supplying Michelin and Bridgestone via joint bargaining for cobalt feedstock.

Jiangxi Chenguang New Materials – Established in Jiangxi Province, China, as Jiangsu Chenguang Coupling Agent in 1997, Chenguang specializes in silane coupling agents but is expanding into metal adhesion promoters, currently constructing a 1,000-ton cobalt boron neodecanoate project expected to come online in 2026, complementing its 60 production lines for organosilicon intermediates and aiming to serve domestic rubber producers with integrated silane-cobalt systems for enhanced wire adhesion.

Zibo Haiyue New Materials – Zibo, Shandong Province-based since the 2000s, Haiyue's production includes cobalt carboxylates for plastic-rubber hybrids, with a line for boron-neodecanoate used in conveyor belting, focusing on local tire factories with custom formulations for heat-resistant applications.

Shandong Yanggu Futai Chemical – Yanggu, Shandong's producer since the 1990s, Futai's facility manufactures cobalt salts for rubber industry, including boron-modified variants for steel cord bonding in mining hoses, with emphasis on corrosion-resistant grades for humid environments.

Chaoyang Zhenghe – Chaoyang, Liaoning's since 2000s, Zhenghe's CNY 100 million output includes adhesion promoters for tire retreading, with cobalt boron neodecanoate for recycled rubber compounds, serving northeastern Chinese manufacturers.

Taizhou Huangyan Donghai Chemical – Taizhou, Zhejiang's since 2005, Donghai's CNY 30 million production of cobalt neodecanoate for rubber, with boron variants for hose reinforcement, exporting to Asian markets.

Changzhou Litong Chemical – Changzhou, Jiangsu's since 1990s, Litong's facility produces metal carboxylates for plastic extrusion, including cobalt boron for wire coating in automotive cables, with ISO-certified quality for global supply.

Industry Value Chain Analysis

The value chain for cobalt boron neodecanoate is compact yet specialized, involving cobalt sourcing, organic synthesis, formulation, distribution, and rubber compounding, with value concentrated in midstream customization for tire dipping.

1. Raw Materials and Upstream Supply

Cobalt hydroxide or carbonate from DRC/Indonesian mines (70% global) via HPAL, neodecanoic acid from Koch Industries' branched C10 synthesis; LANXESS secures 20% edges via integrated cobalt refining, buffering 15% price swings from LME. Dalian's local neodecanoate yield optimizes 95% complexation, valorizing by-products into lubricants for 25% ESG uplift.

2. Production and Processing

Esterification of neodecanoic acid with cobalt salts at 80–120°C followed by boron ligation via butyl borate, purified to 22.5% Co with 100 N/cm in H-pull per ASTM D429 amid 72-hour steam aging at 121°C. This profile, rooted in its boron-mediated two amphoteric sites and neodecanoate ligands, enables seamless integration into rubber

compounds without rheological disruption (scorch tS2 >5 min at 121°C) or plastication impact, a trait that has historically lowered migration risks by 20–30% in dipping workflows since its commercial emergence in the 1980s. Building on this, it primarily finds application in rubber-metal bonding for radial tires, steel cord conveyor belts, natural rubber composites, and tire retreading, where the active cobalt catalyzes Cu-Zn diffusion layers (5–10 μm thick) in brass-plated wires, enhancing hydrolytic stability in steam-aged samples while its corrosion inhibition mitigates galvanic pitting in galvanized substrates, achieving 95% coverage in RFL dips for belt skim reinforcement. This dual role, documented in early tire chemistry texts from the 1970s, propelled initial adoption in Asia's radial surge, with China's 800 million annual tires by the 1990s indirectly boosting demand through cobalt salt formulations for sidewall flexing. Furthering its utility, it functions as an intermediate in preparing high-adhesion compounds for steel-braided hoses and metal-framed rubber, leveraging condensation with resorcinol-formaldehyde to scaffold coherent interfaces that withstand 1,000-hour heat aging at 70°C/95% RH with adhesion retention >80% per ISO 2527, achieving bond yields >90% under mild alkaline conditions. This intermediary prowess, amplified by 1980s advancements in boron ligation, has sustained 5–8% annual growth in polymer intermediates, particularly in U.S. and European pipelines for automotive belting. Moreover, it is employed in natural rubber for tire carcasses, metal skeleton rubber for industrial hoses, and retreading for fleet renewals, where its neodecanoate structure enables amphiphilic assemblies via RAFT polymerization, yielding composites with 80% interfacial cohesion for off-road treads. This structuring trend, gaining traction post-2000 with sustainability booms, aligns with precision dipping, as evidenced by 2020s publications on cobalt-boron hybrids for recycled tire retreading, portending a 10–15% CAGR in advanced materials through 2030. At present, Dalian Advance Performance Specialty Chemicals maintains a capacity of 1,200 tons for cobalt boron neodecanoate, underscoring robust production scale in China's Liaoning hub, while Jiangxi Chenguang New Materials operates at 300 tons currently, reflecting tiered manufacturing amid 15% regional demand hikes for non-staining grades, with its 1,000-ton project under construction set to launch in 2026, enhancing supply for domestic tire producers. Collectively, these facets—from structural duality to capacity expansions—chart this compound's trajectory as a linchpin in specialty chemicals, evolving from dip additive to high-value interfacial architect amid sustainability imperatives.

(Word count: 5128)

Contents

CHAPTER 1 EXECUTIVE SUMMARY

CHAPTER 2 ABBREVIATION AND ACRONYMS

CHAPTER 3 PREFACE

- 3.1 Research Scope
- 3.2 Research Sources
 - 3.2.1 Data Sources
 - 3.2.2 Assumptions
- 3.3 Research Method

CHAPTER 4 MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 Classification/Types
- 4.3 Application/End Users

CHAPTER 5 MARKET TREND ANALYSIS

- 5.1 Introduction
- 5.2 Drivers
- 5.3 Restraints
- 5.4 Opportunities
- 5.5 Threats

CHAPTER 6 INDUSTRY CHAIN ANALYSIS

- 6.1 Upstream/Suppliers Analysis
- 6.2 Cobalt Boron Neodecanoate Analysis
 - 6.2.1 Technology Analysis
 - 6.2.2 Cost Analysis
 - 6.2.3 Market Channel Analysis
- 6.3 Downstream Buyers/End Users

CHAPTER 7 LATEST MARKET DYNAMICS

- 7.1 Latest News
- 7.2 Merger and Acquisition
- 7.3 Planned/Future Project
- 7.4 Policy Dynamics

CHAPTER 8 TRADING ANALYSIS

- 8.1 Export of Cobalt Boron Neodecanoate by Region
- 8.2 Import of Cobalt Boron Neodecanoate by Region
- 8.3 Balance of Trade

CHAPTER 9 HISTORICAL AND FORECAST COBALT BORON NEODECANOATE MARKET IN NORTH AMERICA (2020-2030)

- 9.1 Cobalt Boron Neodecanoate Market Size
- 9.2 Cobalt Boron Neodecanoate Demand by End Use
- 9.3 Competition by Players/Suppliers
- 9.4 Type Segmentation and Price
- 9.5 Key Countries Analysis
 - 9.5.1 United States
 - 9.5.2 Canada
 - 9.5.3 Mexico

CHAPTER 10 HISTORICAL AND FORECAST COBALT BORON NEODECANOATE MARKET IN SOUTH AMERICA (2020-2030)

- 10.1 Cobalt Boron Neodecanoate Market Size
- 10.2 Cobalt Boron Neodecanoate Demand by End Use
- 10.3 Competition by Players/Suppliers
- 10.4 Type Segmentation and Price
- 10.5 Key Countries Analysis
 - 10.5.1 Brazil
 - 10.5.2 Argentina
 - 10.5.3 Chile
 - 10.5.4 Peru

CHAPTER 11 HISTORICAL AND FORECAST COBALT BORON NEODECANOATE MARKET IN ASIA & PACIFIC (2020-2030)

- 11.1 Cobalt Boron Neodecanoate Market Size
- 11.2 Cobalt Boron Neodecanoate Demand by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Type Segmentation and Price
- 11.5 Key Countries Analysis
 - 11.5.1 China
 - 11.5.2 India
 - 11.5.3 Japan
 - 11.5.4 South Korea
 - 11.5.5 Southeast Asia
 - 11.5.6 Australia

CHAPTER 12 HISTORICAL AND FORECAST COBALT BORON NEODECANOATE MARKET IN EUROPE (2020-2030)

- 12.1 Cobalt Boron Neodecanoate Market Size
- 12.2 Cobalt Boron Neodecanoate Demand by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Type Segmentation and Price
- 12.5 Key Countries Analysis
 - 12.5.1 Germany
 - 12.5.2 France
 - 12.5.3 United Kingdom
 - 12.5.4 Italy
 - 12.5.5 Spain
 - 12.5.6 Belgium
 - 12.5.7 Netherlands
 - 12.5.8 Austria
 - 12.5.9 Poland
 - 12.5.10 Russia

CHAPTER 13 HISTORICAL AND FORECAST COBALT BORON NEODECANOATE MARKET IN MEA (2020-2030)

- 13.1 Cobalt Boron Neodecanoate Market Size
- 13.2 Cobalt Boron Neodecanoate Demand by End Use
- 13.3 Competition by Players/Suppliers
- 13.4 Type Segmentation and Price
- 13.5 Key Countries Analysis

- 13.5.1 Egypt
- 13.5.2 Israel
- 13.5.3 South Africa
- 13.5.4 Gulf Cooperation Council Countries
- 13.5.5 Turkey

CHAPTER 14 SUMMARY FOR GLOBAL COBALT BORON NEODECANOATE MARKET (2020-2025)

- 14.1 Cobalt Boron Neodecanoate Market Size
- 14.2 Cobalt Boron Neodecanoate Demand by End Use
- 14.3 Competition by Players/Suppliers
- 14.4 Type Segmentation and Price

CHAPTER 15 GLOBAL COBALT BORON NEODECANOATE MARKET FORECAST (2025-2030)

- 15.1 Cobalt Boron Neodecanoate Market Size Forecast
- 15.2 Cobalt Boron Neodecanoate Demand Forecast
- 15.3 Competition by Players/Suppliers
- 15.4 Type Segmentation and Price Forecast

CHAPTER 16 ANALYSIS OF GLOBAL KEY VENDORS

- 16.1 DIC
 - 16.1.1 Company Profile
 - 16.1.2 Main Business and Cobalt Boron Neodecanoate Information
 - 16.1.3 SWOT Analysis of DIC
 - 16.1.4 DIC Cobalt Boron Neodecanoate Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.2 Umicore
 - 16.2.1 Company Profile
 - 16.2.2 Main Business and Cobalt Boron Neodecanoate Information
 - 16.2.3 SWOT Analysis of Umicore
 - 16.2.4 Umicore Cobalt Boron Neodecanoate Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.3 Comar Chemicals
 - 16.3.1 Company Profile
 - 16.3.2 Main Business and Cobalt Boron Neodecanoate Information

- 16.3.3 SWOT Analysis of Comar Chemicals
 - 16.3.4 Comar Chemicals Cobalt Boron Neodecanoate Sales, Revenue, Price and Gross Margin (2020-2025)
 - 16.4 Milliken & Company
 - 16.4.1 Company Profile
 - 16.4.2 Main Business and Cobalt Boron Neodecanoate Information
 - 16.4.3 SWOT Analysis of Milliken & Company
 - 16.4.4 Milliken & Company Cobalt Boron Neodecanoate Sales, Revenue, Price and Gross Margin (2020-2025)
 - 16.5 Jiangyin Sanliang Rubber & Plastic New Material
 - 16.5.1 Company Profile
 - 16.5.2 Main Business and Cobalt Boron Neodecanoate Information
 - 16.5.3 SWOT Analysis of Jiangyin Sanliang Rubber & Plastic New Material
 - 16.5.4 Jiangyin Sanliang Rubber & Plastic New Material Cobalt Boron Neodecanoate Sales, Revenue, Price and Gross Margin (2020-2025)
 - 16.6 Jiangsu Kaou Chemical
 - 16.6.1 Company Profile
 - 16.6.2 Main Business and Cobalt Boron Neodecanoate Information
 - 16.6.3 SWOT Analysis of Jiangsu Kaou Chemical
 - 16.6.4 Jiangsu Kaou Chemical Cobalt Boron Neodecanoate Sales, Revenue, Price and Gross Margin (2020-2025)
 - 16.7 Dalian Advance Performance Specialty Chemicals
 - 16.7.1 Company Profile
 - 16.7.2 Main Business and Cobalt Boron Neodecanoate Information
 - 16.7.3 SWOT Analysis of Dalian Advance Performance Specialty Chemicals
 - 16.7.4 Dalian Advance Performance Specialty Chemicals Cobalt Boron Neodecanoate Sales, Revenue, Price and Gross Margin (2020-2025)
 - 16.8 Jiangxi Chenguang New Materials
 - 16.8.1 Company Profile
 - 16.8.2 Main Business and Cobalt Boron Neodecanoate Information
 - 16.8.3 SWOT Analysis of Jiangxi Chenguang New Materials
 - 16.8.4 Jiangxi Chenguang New Materials Cobalt Boron Neodecanoate Sales, Revenue, Price and Gross Margin (2020-2025)
- Please ask for sample pages for full companies list

Tables & Figures

TABLES AND FIGURES

Table Abbreviation and Acronyms List

Table Research Scope of Cobalt Boron Neodecanoate Report

Table Data Sources of Cobalt Boron Neodecanoate Report

Table Major Assumptions of Cobalt Boron Neodecanoate Report

Figure Market Size Estimated Method

Figure Major Forecasting Factors

Figure Cobalt Boron Neodecanoate Picture

Table Cobalt Boron Neodecanoate Classification

Table Cobalt Boron Neodecanoate Applications List

Table Drivers of Cobalt Boron Neodecanoate Market

Table Restraints of Cobalt Boron Neodecanoate Market

Table Opportunities of Cobalt Boron Neodecanoate Market

Table Threats of Cobalt Boron Neodecanoate Market

Table Raw Materials Suppliers List

Table Different Production Methods of Cobalt Boron Neodecanoate

Table Cost Structure Analysis of Cobalt Boron Neodecanoate

Table Key End Users List

Table Latest News of Cobalt Boron Neodecanoate Market

Table Merger and Acquisition List

Table Planned/Future Project of Cobalt Boron Neodecanoate Market

Table Policy of Cobalt Boron Neodecanoate Market

Table 2020-2030 Regional Export of Cobalt Boron Neodecanoate

Table 2020-2030 Regional Import of Cobalt Boron Neodecanoate

Table 2020-2030 Regional Trade Balance

Figure 2020-2030 Regional Trade Balance

Table 2020-2030 North America Cobalt Boron Neodecanoate Market Size and Market Volume List

Figure 2020-2030 North America Cobalt Boron Neodecanoate Market Size and CAGR

Figure 2020-2030 North America Cobalt Boron Neodecanoate Market Volume and CAGR

Table 2020-2030 North America Cobalt Boron Neodecanoate Demand List by Application

Table 2020-2025 North America Cobalt Boron Neodecanoate Key Players Sales List

Table 2020-2025 North America Cobalt Boron Neodecanoate Key Players Market Share List

Table 2020-2030 North America Cobalt Boron Neodecanoate Demand List by Type

Table 2020-2025 North America Cobalt Boron Neodecanoate Price List by Type

Table 2020-2030 United States Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 United States Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Canada Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Canada Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Mexico Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Mexico Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 South America Cobalt Boron Neodecanoate Market Size and Market Volume List

Figure 2020-2030 South America Cobalt Boron Neodecanoate Market Size and CAGR

Figure 2020-2030 South America Cobalt Boron Neodecanoate Market Volume and CAGR

Table 2020-2030 South America Cobalt Boron Neodecanoate Demand List by Application

Table 2020-2025 South America Cobalt Boron Neodecanoate Key Players Sales List

Table 2020-2025 South America Cobalt Boron Neodecanoate Key Players Market Share List

Table 2020-2030 South America Cobalt Boron Neodecanoate Demand List by Type

Table 2020-2025 South America Cobalt Boron Neodecanoate Price List by Type

Table 2020-2030 Brazil Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Brazil Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Argentina Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Argentina Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Chile Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Chile Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Peru Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Peru Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Asia & Pacific Cobalt Boron Neodecanoate Market Size and Market Volume List

Figure 2020-2030 Asia & Pacific Cobalt Boron Neodecanoate Market Size and CAGR

Figure 2020-2030 Asia & Pacific Cobalt Boron Neodecanoate Market Volume and

CAGR

Table 2020-2030 Asia & Pacific Cobalt Boron Neodecanoate Demand List by Application

Table 2020-2025 Asia & Pacific Cobalt Boron Neodecanoate Key Players Sales List

Table 2020-2025 Asia & Pacific Cobalt Boron Neodecanoate Key Players Market Share List

Table 2020-2030 Asia & Pacific Cobalt Boron Neodecanoate Demand List by Type

Table 2020-2025 Asia & Pacific Cobalt Boron Neodecanoate Price List by Type

Table 2020-2030 China Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 China Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 India Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 India Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Japan Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Japan Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 South Korea Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 South Korea Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Southeast Asia Cobalt Boron Neodecanoate Market Size List

Table 2020-2030 Southeast Asia Cobalt Boron Neodecanoate Market Volume List

Table 2020-2030 Southeast Asia Cobalt Boron Neodecanoate Import List

Table 2020-2030 Southeast Asia Cobalt Boron Neodecanoate Export List

Table 2020-2030 Australia Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Australia Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Europe Cobalt Boron Neodecanoate Market Size and Market Volume List

Figure 2020-2030 Europe Cobalt Boron Neodecanoate Market Size and CAGR

Figure 2020-2030 Europe Cobalt Boron Neodecanoate Market Volume and CAGR

Table 2020-2030 Europe Cobalt Boron Neodecanoate Demand List by Application

Table 2020-2025 Europe Cobalt Boron Neodecanoate Key Players Sales List

Table 2020-2025 Europe Cobalt Boron Neodecanoate Key Players Market Share List

Table 2020-2030 Europe Cobalt Boron Neodecanoate Demand List by Type

Table 2020-2025 Europe Cobalt Boron Neodecanoate Price List by Type

Table 2020-2030 Germany Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Germany Cobalt Boron Neodecanoate Import & Export List

- Table 2020-2030 France Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 France Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 United Kingdom Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 United Kingdom Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 Italy Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 Italy Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 Spain Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 Spain Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 Belgium Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 Belgium Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 Netherlands Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 Netherlands Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 Austria Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 Austria Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 Poland Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 Poland Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 Russia Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 Russia Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 MEA Cobalt Boron Neodecanoate Market Size and Market Volume List
- Figure 2020-2030 MEA Cobalt Boron Neodecanoate Market Size and CAGR
- Figure 2020-2030 MEA Cobalt Boron Neodecanoate Market Volume and CAGR
- Table 2020-2030 MEA Cobalt Boron Neodecanoate Demand List by Application
- Table 2020-2025 MEA Cobalt Boron Neodecanoate Key Players Sales List
- Table 2020-2025 MEA Cobalt Boron Neodecanoate Key Players Market Share List
- Table 2020-2030 MEA Cobalt Boron Neodecanoate Demand List by Type
- Table 2020-2025 MEA Cobalt Boron Neodecanoate Price List by Type
- Table 2020-2030 Egypt Cobalt Boron Neodecanoate Market Size and Market Volume List
- Table 2020-2030 Egypt Cobalt Boron Neodecanoate Import & Export List
- Table 2020-2030 Israel Cobalt Boron Neodecanoate Market Size and Market Volume List

List

Table 2020-2030 Israel Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 South Africa Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 South Africa Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Gulf Cooperation Council Countries Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Gulf Cooperation Council Countries Cobalt Boron Neodecanoate Import & Export List

Table 2020-2030 Turkey Cobalt Boron Neodecanoate Market Size and Market Volume List

Table 2020-2030 Turkey Cobalt Boron Neodecanoate Import & Export List

Table 2020-2025 Global Cobalt Boron Neodecanoate Market Size List by Region

Table 2020-2025 Global Cobalt Boron Neodecanoate Market Size Share List by Region

Table 2020-2025 Global Cobalt Boron Neodecanoate Market Volume List by Region

Table 2020-2025 Global Cobalt Boron Neodecanoate Market Volume Share List by Region

Table 2020-2025 Global Cobalt Boron Neodecanoate Demand List by Application

Table 2020-2025 Global Cobalt Boron Neodecanoate Demand Market Share List by Application

Table 2020-2025 Global Cobalt Boron Neodecanoate Capacity List

Table 2020-2025 Global Cobalt Boron Neodecanoate Key Vendors Capacity Share List

Table 2020-2025 Global Cobalt Boron Neodecanoate Key Vendors Production List

Table 2020-2025 Global Cobalt Boron Neodecanoate Key Vendors Production Share List

Figure 2020-2025 Global Cobalt Boron Neodecanoate Capacity Production and Growth Rate

Table 2020-2025 Global Cobalt Boron Neodecanoate Key Vendors Production Value List

Figure 2020-2025 Global Cobalt Boron Neodecanoate Production Value and Growth Rate

Table 2020-2025 Global Cobalt Boron Neodecanoate Key Vendors Production Value Share List

Table 2020-2025 Global Cobalt Boron Neodecanoate Demand List by Type

Table 2020-2025 Global Cobalt Boron Neodecanoate Demand Market Share List by Type

Table 2020-2025 Regional Cobalt Boron Neodecanoate Price List

Table 2025-2030 Global Cobalt Boron Neodecanoate Market Size List by Region

Table 2025-2030 Global Cobalt Boron Neodecanoate Market Size Share List by Region

Table 2025-2030 Global Cobalt Boron Neodecanoate Market Volume List by Region
Table 2025-2030 Global Cobalt Boron Neodecanoate Market Volume Share List by Region

Table 2025-2030 Global Cobalt Boron Neodecanoate Demand List by Application

Table 2025-2030 Global Cobalt Boron Neodecanoate Demand Market Share List by Application

Table 2025-2030 Global Cobalt Boron Neodecanoate Capacity List

Table 2025-2030 Global Cobalt Boron Neodecanoate Key Vendors Capacity Share List

Table 2025-2030 Global Cobalt Boron Neodecanoate Key Vendors Production List

Table 2025-2030 Global Cobalt Boron Neodecanoate Key Vendors Production Share List

Figure 2025-2030 Global Cobalt Boron Neodecanoate Capacity Production and Growth Rate

Table 2025-2030 Global Cobalt Boron Neodecanoate Key Vendors Production Value List

Figure 2025-2030 Global Cobalt Boron Neodecanoate Production Value and Growth Rate

Table 2025-2030 Global Cobalt Boron Neodecanoate Key Vendors Production Value Share List

Table 2025-2030 Global Cobalt Boron Neodecanoate Demand List by Type

Table 2025-2030 Global Cobalt Boron Neodecanoate Demand Market Share List by Type

Table 2025-2030 Cobalt Boron Neodecanoate Regional Price List

Table DIC Information

Table SWOT Analysis of DIC

Table 2020-2025 DIC Cobalt Boron Neodecanoate Product Capacity Production Price Cost Production Value

Figure 2020-2025 DIC Cobalt Boron Neodecanoate Capacity Production and Growth Rate

Figure 2020-2025 DIC Cobalt Boron Neodecanoate Market Share

Table Umicore Information

Table SWOT Analysis of Umicore

Table 2020-2025 Umicore Cobalt Boron Neodecanoate Product Capacity Production Price Cost Production Value

Figure 2020-2025 Umicore Cobalt Boron Neodecanoate Capacity Production and Growth Rate

Figure 2020-2025 Umicore Cobalt Boron Neodecanoate Market Share

Table Comar Chemicals Information

Table SWOT Analysis of Comar Chemicals

Table 2020-2025 Comar Chemicals Cobalt Boron Neodecanoate Product Capacity
Production Price Cost Production Value

Figure 2020-2025 Comar Chemicals Cobalt Boron Neodecanoate Capacity Production
and Growth Rate

Figure 2020-2025 Comar Chemicals Cobalt Boron Neodecanoate Market Share

Table Milliken & Company Information

Table SWOT Analysis of Milliken & Company

Table 2020-2025 Milliken & Company Cobalt Boron Neodecanoate Product Capacity
Production Price Cost Production Value

Figure 2020-2025 Milliken & Company Cobalt Boron Neodecanoate Capacity
Production and Growth Rate

Figure 2020-2025 Milliken & Company Cobalt Boron Neodecanoate Market Share

Table Jiangyin Sanliang Rubber & Plastic New Material Information

Table SWOT Analysis of Jiangyin Sanliang Rubber & Plastic New Material

Table 2020-2025 Jiangyin Sanliang Rubber & Plastic New Material Cobalt Boron
Neodecanoate Product Capacity Production Price Cost Production Value

Figure 2020-2025 Jiangyin Sanliang Rubber & Plastic New Material Cobalt Boron
Neodecanoate Capacity Production and Growth Rate

Figure 2020-2025 Jiangyin Sanliang Rubber & Plastic New Material Cobalt Boron
Neodecanoate Market Share

Table Jiangsu Kaou Chemical Information

Table SWOT Analysis of Jiangsu Kaou Chemical

Table 2020-2025 Jiangsu Kaou Chemical Cobalt Boron Neodecanoate Product
Capacity Production Price Cost Production Value

Figure 2020-2025 Jiangsu Kaou Chemical Cobalt Boron Neodecanoate Capacity
Production and Growth Rate

Figure 2020-2025 Jiangsu Kaou Chemical Cobalt Boron Neodecanoate Market Share

Table Dalian Advance Performance Specialty Chemicals Information

Table SWOT Analysis of Dalian Advance Performance Specialty Chemicals

Table 2020-2025 Dalian Advance Performance Specialty Chemicals Cobalt Boron
Neodecanoate Product Capacity Production Price Cost Production Value

Figure 2020-2025 Dalian Advance Performance Specialty Chemicals Cobalt Boron
Neodecanoate Capacity Production and Growth Rate

Figure 2020-2025 Dalian Advance Performance Specialty Chemicals Cobalt Boron
Neodecanoate Market Share

Table Jiangxi Chenguang New Materials Information

Table SWOT Analysis of Jiangxi Chenguang New Materials

Table 2020-2025 Jiangxi Chenguang New Materials Cobalt Boron Neodecanoate
Product Capacity Production Price Cost Production Value

Figure 2020-2025 Jiangxi Chenguang New Materials Cobalt Boron Neodecanoate Capacity Production and Growth Rate

Figure 2020-2025 Jiangxi Chenguang New Materials Cobalt Boron Neodecanoate Market Share

Table Zibo Haiyue New Materials Information

Table SWOT Analysis of Zibo Haiyue New Materials

Table 2020-2025 Zibo Haiyue New Materials Cobalt Boron Neodecanoate Product Capacity Production Price Cost Production Value

Figure 2020-2025 Zibo Haiyue New Materials Cobalt Boron Neodecanoate Capacity Production and Growth Rate

Figure 2020-2025 Zibo Haiyue New Materials Cobalt Boron Neodecanoate Market Share

Table Shandong Yanggu Futai Chemical Information

Table SWOT Analysis of Shandong Yanggu Futai Chemical

Table 2020-2025 Shandong Yanggu Futai Chemical Cobalt Boron Neodecanoate Product Capacity Production Price Cost Production Value

Figure 2020-2025 Shandong Yanggu Futai Chemical Cobalt Boron Neodecanoate Capacity Production and Growth Rate

Figure 2020-2025 Shandong Yanggu Futai Chemical Cobalt Boron Neodecanoate Market Share

Table Chaoyang Zhenghe Information

Table SWOT Analysis of Chaoyang Zhenghe

Table 2020-2025 Chaoyang Zhenghe Cobalt Boron Neodecanoate Product Capacity Production Price Cost Production Value

Figure 2020-2025 Chaoyang Zhenghe Cobalt Boron Neodecanoate Capacity Production and Growth Rate

Figure 2020-2025 Chaoyang Zhenghe Cobalt Boron Neodecanoate Market Share

Table Taizhou Huangyan Donghai Chemical Information

Table SWOT Analysis of Taizhou Huangyan Donghai Chemical

Table 2020-2025 Taizhou Huangyan Donghai Chemical Cobalt Boron Neodecanoate Product Capacity Production Price Cost Production Value

Figure 2020-2025 Taizhou Huangyan Donghai Chemical Cobalt Boron Neodecanoate Capacity Production and Growth Rate

Figure 2020-2025 Taizhou Huangyan Donghai Chemical Cobalt Boron Neodecanoate Market Share

Table Changzhou Litong Chemical Information

Table SWOT Analysis of Changzhou Litong Chemical

Table 2020-2025 Changzhou Litong Chemical Cobalt Boron Neodecanoate Product Capacity Production Price Cost Production Value

Figure 2020-2025 Changzhou Litong Chemical Cobalt Boron Neodecanoate Capacity
Production and Growth Rate

Figure 2020-2025 Changzhou Litong Chemical Cobalt Boron Neodecanoate Market
Share

.....

I would like to order

Product name: Cobalt Boron Neodecanoate Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

Product link: <https://marketpublishers.com/r/C8833BA8CA68EN.html>

Price: US\$ 3,200.00 (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/C8833BA8CA68EN.html>