

The World Market for Nanomaterials, 2010-2015

<https://marketpublishers.com/r/WC7ECDA81ACEN.html>

Date: February 2015

Pages: 198

Price: US\$ 2,700.00 (Single User License)

ID: WC7ECDA81ACEN

Abstracts

Nanomaterials (also called nanoparticles or nanopowders) are increasingly becoming part of our daily lives. Their novel properties, that are not apparent in larger forms of the same material, has led to their desirability and exploitation in a wide range of applications. Nanomaterials can be defined as substances that are intentionally produced, manufactured or engineered to have specific properties and one or more dimensions typically between 1 and 100 nanometres. Most nanomaterials are produced in multi-ton volumes in varying sizes, shapes, and also in surface coatings. Nanomaterials cover a range of materials inorganic metal and metal oxide nanomaterials, carbon-based nanomaterials and polymeric particulate materials in a variety of forms. They can be broadly separated into three categories:

zero-dimensions (quantum dots)

one-dimension (carbon nanotubes and nanoparticles)

two-dimensions (thin-films and graphene)

Production methods are typically:

biological (microorganism production of nanoparticles)

chemical (synthesis of nanoparticles and chemical vapour deposition (CVD) of thin-films and carbon nanotubes)

physical (physical vapour deposition (PVD) production of thin-films and nanoparticles) methods.

Markets nanomaterials are currently impacting include healthcare, sporting goods, cosmetics and personal care, automotive, food and beverage, home and garden, coatings in numerous sectors, consumer electronics and computing. Paints and coatings cross-apply to numerous consumer markets from aerospace and automotive to construction and hygiene. They offer a range of functionalities that are desirable in a number of sectors such as anti-bacterialism, anti-corrosion, easy-clean, thermal barrier, protective and UV-absorbent and combinations thereof. The 199 page report "The Global Nanomaterials Market, 2010-2025" offers a unique insight into this critical market.

WHAT DOES THE REPORT INCLUDE?

Comprehensive quantitative data and forecasts for the global nanomaterials market to 2025

Qualitative insight and perspective on the current market and future trends in end user markets based on interviews with key executives

Market drivers by nanomaterial

Prices

High volume, low volume and novel applications

End user market analysis and technology timelines

Tables and figures illustrating nanomaterials market size, in tons produced

Company profiles of nanomaterials producers

Contents

1 EXECUTIVE SUMMARY

2 ALUMINIUM OXIDE NANOPARTICLES

Properties

Markets

High volume applications

Low volume applications

Novel applications

Main suppliers

Prices

Producers profiles

3 ANTIMONY TIN OXIDE NANOPARTICLES

Properties

Markets

High volume applications

Low volume applications

Novel applications

Main suppliers

Prices

Producers profiles

4 BISMUTH OXIDE NANOPARTICLES

Properties

Markets

High volume applications

Low volume applications

Novel applications

Main suppliers

Prices

Producers profiles

5 CARBON NANOTUBES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

6 CERIUM OXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

7 COBALT OXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

8 COPPER OXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers

Prices
Producers profiles

8 DENDRIMERS

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

9 FULLERENES AND POSS

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

10 GOLD NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

11 GRAPHENE

Properties

Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

12 IRON OXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

13 MAGNESIUM OXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

14 MANGANESE OXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices

Producers profiles

15 NANOCELLULOSE

Properties

Markets

High volume applications

Low volume applications

Novel applications

Main suppliers

Prices

Producers profiles

15 NANOCLAYS

Properties

Markets

High volume applications

Low volume applications

Novel applications

Main suppliers

Prices

Producers profiles

16 NICKEL NANOPARTICLES

Properties

Markets

High volume applications

Low volume applications

Novel applications

Main suppliers

Prices

Producers profiles

17 NANOSILVER

Properties

Markets

High volume applications
Low volume applications
Novel applications
Main suppliers
Prices
Producers profiles

18 PALLADIUM NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices

19 QUANTUM DOTS

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices

20 SILICON DIOXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices

21 TITANIUM DIOXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices

22 YTTRIUM OXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices

22 ZINC OXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices

26 ZIRCONIUM OXIDE NANOPARTICLES

Properties
Markets
High volume applications
Low volume applications
Novel applications
Main suppliers
Prices

Tables & Figures

TABLES & FIGURES

Table 1: Market summary for nanomaterials production, global production 2014 and prospects by 2025

Figure 1: Global market for nanomaterials, 2010-2025, millions tons/year, conservative/optimistic estimates

Table 2: Global market for nanomaterials 2010-2025, tons/year

Table 3: Price range for aluminium oxide nanoparticles

Table 4: Aluminium oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 2: Global consumption of aluminium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 5: Global consumption of aluminium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 6: Market summary for aluminium oxide nanoparticles-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 7: Price range for antimony tin oxide nanoparticles

Table 8: Antimony tin oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 3: Global consumption of antimony tin oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 9: Global consumption of antimony tin oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 10: Market summary for antimony tin oxide nanoparticles-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 11: Price range for bismuth oxide nanoparticles

Table 12: Bismuth oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 4: Global consumption of bismuth oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 13: Global consumption of bismuth oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 14: Market summary for bismuth oxide nanoparticles-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 15: Annual production capacity of main carbon nanotubes producers/tons

Table 16: Price range for carbon nanotubes

Table 17: Carbon nanotubes applications-Stage of commercialization from basic concept to mass production

Figure 5: Global consumption of carbon nanotubes, 2010-2025, conservative and optimistic estimates

Table 18: Global consumption of carbon nanotubes, 2010-2025, conservative and optimistic estimates

Table 19: Market summary for carbon nanotubes -Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 20: Price range for cerium oxide nanoparticles

Table 21: Cerium oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 6: Global consumption of cerium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 22: Global consumption of cerium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 23: Market summary for cerium oxide nanoparticles-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 24: Price range for cobalt oxide nanoparticles

Table 25: Cobalt oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 7: Global consumption of cerium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 26: Global consumption of cerium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 27: Market summary for cobalt oxide nanoparticles-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 28: Price range for copper oxide nanoparticles

Table 29: Copper oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 8: Global consumption of cerium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 30: Global consumption of cerium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 31: Market summary for copper oxide nanoparticles-Selling grade particle

diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 32: Price range for Dendrimers

Table 33: Dendrimers applications-Stage of commercialization from basic concept to mass production

Table 34: Global market for Dendrimers, 2010-2025, tons/year.

Table 35: Market summary for dendrimers-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 36: Price range for fullerenes & POSS

Table 37: Fullerenes & POSS-Stage of commercialization from basic concept to mass production

Figure 9: Global consumption of fullerenes & POSS, 2010-2025, conservative and optimistic estimates

Table 38: Global consumption of fullerenes & POSS, 2010-2025, conservative and optimistic estimates

Table 39: Market summary for fullerenes & POSS-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 40: Price range for gold nanoparticles

Table 41: Gold nanoparticles applications-Stage of commercialization from basic concept to mass production

Table 42: Market summary for gold nanoparticles-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Figure 10: Global consumption of gold nanoparticles, 2010-2025, conservative and optimistic estimates

Table 43: Global consumption of gold nanoparticles, 2010-2025, conservative and optimistic estimates

Table 44: Price range for graphene

Table 45: Graphene applications-Stage of commercialization from basic concept to mass production

Figure 11: Global consumption graphene, 2010-2025, conservative and optimistic estimates

Table 46: Global consumption of graphene, 2010-2025, conservative and optimistic estimates

Table 47: Price range for Iron oxide nanoparticles

Table 48: Iron oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 12: Global consumption of iron oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 49: Global consumption of iron oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 50: Market summary for iron oxide nanoparticles-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 51: Price range for magnesium oxide nanoparticles

Table 52: Magnesium oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 13: Global consumption of magnesium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 53: Global consumption of magnesium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 54: Market summary for magnesium oxide nanoparticles-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 55: Price range for managanese oxide nanoparticles

Table 56: Magnesium oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 14: Global consumption of managanese oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 57: Global consumption of managanese oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 58: Market summary for managanese oxide nanoparticles-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 59: Nanocellulose applications-Stage of commercialization from basic concept to mass production

Figure 15: Global consumption of nanocellulose, 2010-2025, conservative and optimistic estimates

Table 59: Global consumption of nanocellulose, 2010-2025, conservative and optimistic estimates

Table 60: Market summary for nanocellulose-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 61: Price range for nanoclays

Table 62: Nanoclays applications-Stage of commercialization from basic concept to mass production

Figure 16: Global consumption of nanoclays, 2010-2025, conservative and optimistic estimates

Table 63: Global consumption of nanoclays, 2010-2025, conservative and optimistic estimates

Table 64: Market summary for nanoclays-Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 61: Price range for nickel nanoparticles

Table 66: Nickel nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 17: Global consumption of nickel nanoparticles, 2010-2025, conservative and optimistic estimates

Table 67: Global consumption of nickel nanoparticles, 2010-2025, conservative and optimistic estimates

Table 68: Market summary for nickel nanoparticles -Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 69: Price range for nanosilver

Table 70: Silver nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 18: Global consumption of silver nanoparticles, 2010-2025, conservative and optimistic estimates

Table 71: Global consumption of silver nanoparticles, 2010-2025, conservative and optimistic estimates

Table 72: Market summary for silver nanoparticles -Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 73: Price range for palladium nanoparticles

Table 74: Quantum dots applications-Stage of commercialization from basic concept to mass production

Figure 19: Global consumption of quantum dots, 2010-2025, conservative and optimistic estimates

Table 75: Global consumption of quantum dots, 2010-2025, conservative and optimistic estimates

Table 76: Market summary for quantum dots -Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 77: Price range for silicon dioxide nanoparticles

Table 78: Silicon dioxide nanoparticles applications-Stage of commercialization from

basic concept to mass production

Figure 20: Global consumption of silicon dioxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 79: Global consumption of silicon dioxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 80: Market summary for silicon dioxide nanoparticles -Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 81: Price range for titanium dioxide nanoparticles

Table 82: Titanium dioxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 21: Global consumption of titanium dioxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 83: Global consumption of titanium dioxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 84: Market summary for titanium dioxide nanoparticles -Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 85: Price range for yttrium oxide nanoparticles

Table 86: Zinc oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 22: Global consumption of zinc oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 87: Global consumption of zinc oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 88: Market summary for zinc oxide nanoparticles -Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

Table 89: Zirconium oxide nanoparticles applications-Stage of commercialization from basic concept to mass production

Figure 23: Global consumption of zirconium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 90: Global consumption of zirconium oxide nanoparticles, 2010-2025, conservative and optimistic estimates

Table 91: Market summary for zirconium oxide nanoparticles -Selling grade particle diameter, usage, advantages, average price/ton, market estimates, global consumption, main current applications, future applications

I would like to order

Product name: The World Market for Nanomaterials, 2010-2015

Product link: <https://marketpublishers.com/r/WC7ECDA81ACEN.html>

Price: US\$ 2,700.00 (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/WC7ECDA81ACEN.html>