

Nano Zinc Oxide Market by Application (Paints & Coatings, Cosmetics, and Others) - Global Opportunity Analysis and Industry Forecast, 2014-2022

<https://marketpublishers.com/r/N87C9E9482DEN.html>

Date: September 2016

Pages: 99

Price: US\$ 3,999.00 (Single User License)

ID: N87C9E9482DEN

Abstracts

Nano zinc oxide is the transparent, non-toxic, and chemically stable nanoparticle generally available in the market as powder or dispersions. Some of the specialties of the material are its anti-bacterial, anti-fungal, anti-corrosion, catalytic, and UV filtering properties. It is majorly incorporated to filter harmful UV-A & UV-B rays of the sun. The various applications of nano zinc oxide are sunscreens, anti-microbials, conductive thin-films in blue laser diodes, solar cells, LCDs, protective coatings (clear varnishes for wood products & furniture), transparent plastics & plastic films (plastic glasses), capacitors, varistors, photoprinting, and electrophotography. In sunscreens, the zinc oxide particles are generally used with coatings of silicon or aluminum oxide and in the range of 20 to 60 nm. As per Allied Market Research, the global demand for nano zinc oxide was valued at \$2,099 million in 2015 and is expected to expand with a CAGR of 20.4% during the forecast period to reach a value of \$7,677 million in 2022.

The nano zinc oxide market is currently in its developing stage as it is being used in several industries and various researches are going on to find its new application. The global nano zinc market is expected to register significant growth in the forecast period with Asia-Pacific as the major revenue generating region. The factors that drive the market are growth in demand for UV-A & UV-B filters in cosmetics, increase in demand in anti-microbial coatings, and recent approval for use of nano zinc oxide by EC. However, the toxic effect of the material when deposited in high amount may restrict its market growth. The increase in disposable income of emerging economies and expanding market of paints, coatings & cosmetics are projected to provide substantial opportunities to the industry player across the value chain.

The report segments the nano zinc oxide market on the basis of application and geography. Based on application, the market is segmented into paints & coatings, cosmetics, and others. Geographic breakdown and deep analysis of each of the aforesaid segments is included for North America, Europe, Asia-Pacific, and LAMEA. Recent advancements in the nano zinc oxide market majorly includes research and development activities towards finding new commercial avenues. It is now used in LEDs and blue LEDs along with solar cells. Over the years it has also been found that they are well-suited for electronic applications such as capacitors, varistors, photoprinting, and electrophotography owing to extremely low levels of heavy metal impurities. Comprehensive competitive analysis and profiles of major market players such as Advanced Nano Technologies Limited, BYK Additives & Instruments, Elementis Specialties, Inc., Grillo-Werke AG, Hokusui Tech Co., Ltd., Nanophase Technology Corporation, Sakai Chemical Industry Co., Ltd., Showa Denko, Umicore, and Weifang Longda Zinc Industry, Co., Ltd. is also provided in the report.

KEY MARKET BENEFITS:

The report provides an extensive analysis of the current as well as emerging market trends and dynamics in the global nano zinc oxide market.

Geographically, the nano zinc oxide market is analyzed based on various regions such as North America, Europe, Asia-Pacific, and LAMEA along with analysis of major countries in each region.

In this study, evaluating competitive landscape and value chain is taken into account to understand the competitive environment across geographies.

The report provides a detailed quantitative analysis of the current market and estimations from 2014 to 2022, which identifies the prevailing market opportunities.

The report analyses current trends and future market potential, from 2014 to 2022, in terms of revenue and volume.

Extensive analysis of the market is conducted by monitoring the top competitors within the market framework.

KEY MARKET SEGMENT:

The World Nano Zinc Oxide Market is segmented as below:
By Application

Paints & Coatings

Cosmetics

Others

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Rest of Europe

Asia-Pacific

China

Japan

Korea

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Rest of LAMEA

Key Players

Advanced Nano Technologies Limited

BYK Additives & Instruments

Elementis Specialties

Grillo Zinkoxid GmbH

Hakusuitech Co., Ltd.

Nanophase Technology Corporation

Sakai Chemical

Showa Denko

Umicore

Weifang Longda Zinc Industry, Co., Ltd.

Other major players in the industry are

American Elements

Nano Labs

US Research Nanomaterials, Inc.

Sigma-Aldrich Co. LLC

Micronisers Pty Ltd.

Contents

CHAPTER 1 INTRODUCTION

- 1.1 Report description
- 1.2 KEY MARKET BENEFITS
- 1.3 KEY MARKET SEGMENTS
- 1.4 Research methodology

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 CXO Perspective

CHAPTER 3 MARKET OVERVIEW

- 3.1 Market definition and scope
- 3.2 Key findings
 - 3.2.1 Top Investment Pockets
- 3.3 Value chain analysis
- 3.4 Porters five forces analysis
 - 3.4.1 Bargaining power of the supplier
 - 3.4.2 Bargaining power of the buyer
 - 3.4.3 Threat of substitute
 - 3.4.4 Competitive rivalry
 - 3.4.5 Threat of new entrant
- 3.5 Market dynamics
 - 3.5.1 Drivers
 - 3.5.1.1 Growing demand for UVA/B filters in Sunscreens and Sun Protection Cosmetics
 - 3.5.1.2 Approval from Regulatory Bodies
 - 3.5.1.3 upsurge IN DEMAND for nano zinc oixde in anti-microbial coatings
 - 3.5.2 Restraints
 - 3.5.2.1 Toxicity at higher concentration
 - 3.5.3 Opportunity
 - 3.5.3.1 Expanding Paints & Coatings, Pigments, and Cosmetic Market
 - 3.5.3.2 Increasing Disposable Income in the Emerging Economies
- 3.6 Regulatory Framework: Nano Zinc Oxide Market
 - 3.6.1 NORTH AMERICA
 - 3.6.2 EUROPE

- 3.6.3 AUSTRALIA
- 3.7 Manufacturing Process for Nano Zinc Oxide
 - 3.7.1 FIRST METHOD SECOND METHOD
 - 3.7.2 THIRD METHOD
 - 3.7.3 FOURTH METHOD
- 3.8 Product benchmarking

CHAPTER 4 WORLD NANO ZINC OXIDE MARKET, BY APPLICATION

- 4.1 Introduction
 - 4.1.1 Market size and forecast
- 4.2 Paints & Coatings
 - 4.2.1 Key market trends
 - 4.2.2 Key growth factors and opportunities
 - 4.2.3 Market Size and Forecast
- 4.3 Cosmetics
 - 4.3.1 Key market trends
 - 4.3.2 Key growth factors and opportunities
 - 4.3.3 Market Size and Forecast
- 4.4 Others
 - 4.4.1 Key market trends
 - 4.4.2 Key growth factors and opportunities
 - 4.4.3 Market Size and Forecast

CHAPTER 5 WORLD NANO ZINC OXIDE MARKET, BY GEOGRAPHY

- 5.1 Introduction
 - 5.1.1 Market size and forecast
- 5.2 North America
 - 5.2.1 Key market trends
 - 5.2.2 Key growth factors and opportunities
 - 5.2.3 Market Size and Forecast
 - 5.2.4 U.S.
 - 5.2.5 Canada
 - 5.2.6 Mexico
- 5.3 Europe
 - 5.3.1 Key market trends
 - 5.3.2 Key growth factors and opportunities
 - 5.3.3 Market Size and Forecast

- 5.3.4 UK
- 5.3.5 Germany
- 5.3.6 France
- 5.3.7 Spain
- 5.3.8 Italy
- 5.3.9 Rest of Europe
- 5.4 Asia-Pacific
 - 5.4.1 Key market trends
 - 5.4.2 Key growth factors and opportunities
 - 5.4.3 Market Size and Forecast
 - 5.4.4 China
 - 5.4.5 Japan
 - 5.4.6 Korea
 - 5.4.7 Rest of Asia-Pacific
- 5.5 LAMEA
 - 5.5.1 Key market trends
 - 5.5.2 Key growth factors and opportunities
 - 5.5.3 Market Size and Forecast
 - 5.5.4 Brazil
 - 5.5.5 South Africa
 - 5.5.6 Rest of LAMEA

CHAPTER 6 COMPANY PROFILE

- 6.1 Advanced Nano Technologies Limited
 - 6.1.1 Company overview
 - 6.1.2 Application served
 - 6.1.3 Company Snapshot
 - 6.1.4 Operating Business Segments
 - 6.1.5 Business Performance
- 6.2 Hokusui Tech Co., Ltd.
 - 6.2.1 Company overview
 - 6.2.2 Application served
 - 6.2.3 Company Snapshot
 - 6.2.4 Operating Business Segments
- 6.3 BYK Additives & Instruments
 - 6.3.1 Company overview
 - 6.3.2 Application served
 - 6.3.3 Company Snapshot

- 6.3.4 Operating Business Segments
- 6.3.5 Business Performance
- 6.4 Elementis Specialties, Inc.
 - 6.4.1 Company overview
 - 6.4.2 Application served
 - 6.4.3 Company Snapshot
 - 6.4.4 Operating Business Segments
 - 6.4.5 Business Performance
- 6.5 Nanophase Technologies Corporation
 - 6.5.1 Company Overview
 - 6.5.2 Application served
 - 6.5.3 Company Snapshot
 - 6.5.4 Operating Business Segments
 - 6.5.5 Business Performance
- 6.6 Umicore
 - 6.6.1 Company Overview
 - 6.6.2 Application served
 - 6.6.3 Company Snapshot
 - 6.6.4 Operating Business Segments
 - 6.6.5 Business Performance
- 6.7 SAKAI CHEMICAL INDUSTRY CO., LTD.
 - 6.7.1 Company overview
 - 6.7.2 Application served
 - 6.7.2 Company Snapshot
 - 6.7.3 Operating Business Segments
 - 6.7.4 Business Performance
- 6.8 SHOWA DENKO K.K.
 - 6.8.1 Company Overview
 - 6.8.2 Application Served
 - 6.8.3 Company Snapshot
 - 6.8.4 Operating Business Segments
 - 6.8.5 Business Performance
- 6.9 Grillo-Werke AG
 - 6.9.1 Company overview
 - 6.9.2 Application served
 - 6.9.3 Company Snapshot
 - 6.9.4 Operating Business Segments
- 6.10 Weifang Longda Zinc Industry, Co., Ltd.
 - 6.10.1 Company overview

6.10.2 Application served

6.10.3 Company Snapshot

6.10.4 Operating Business Segments

Other players in the value chain include

American Elements

Nano Labs

US Research Nanomaterials, Inc.

Sigma-Aldrich Co. LLC

Micronisers Pty Ltd.

Profiles of these players are not included. The same will be included on request

List Of Tables

LIST OF TABLES

TABLE 1. PRODUCT BENCHMARKING: NANO ZINC OXIDE MARKET

TABLE 2. WORLD NANO ZINC OXIDE MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 3. WORLD NANO ZINC OXIDE MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 4. WORLD NANO ZINC OXIDE IN PAINTS & COATINGS, MARKET REVENUE, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 5. WORLD NANO ZINC OXIDE IN PAINTS & COATINGS, MARKET REVENUE, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 6. WORLD NANO ZINC OXIDE IN COSMETICS, MARKET REVENUE, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 7. WORLD NANO ZINC OXIDE IN COSMETICS, MARKET VOLUME, BY GEOGRAPHY, 2014-2022 (TONS)

TABLE 8. WORLD OTHERS NANO ZINC OXIDE, MARKET REVENUE, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 9. WORLD OTHERS NANO ZINC OXIDE, MARKET VOLUME, BY GEOGRAPHY, 2014-2022 (TONS)

TABLE 10. WORLD NANO ZINC OXIDE MARKET, BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 11. WORLD NANO ZINC OXIDE MARKET, BY GEOGRAPHY, 2014-2022 (TONS)

TABLE 12. NORTH AMERICAN NANO ZINC OXIDE MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 13. NORTH AMERICAN NANO ZINC OXIDE MARKET, BY APPLICATION, 2014-2022 (TONS)

TABLE 14. EUROPEAN NANO ZINC OXIDE MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 15. EUROPEAN NANO ZINC OXIDE MARKET, BY APPLICATION, 2014-2022 (TONS)

TABLE 16. ASIA-PACIFIC NANO ZINC OXIDE MARKET, BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 17. ASIA-PACIFIC NANO ZINC OXIDE MARKET, BY APPLICATION, 2014-2022 (TONS)

TABLE 18. LAMEA: NANO ZINC OXIDE MARKET BY APPLICATION, 2014-2022 (\$MILLION)

TABLE 19. LAMEA: NANO ZINC OXIDE MARKET BY APPLICATION, 2014-2022
(TONS)

TABLE 20. ADVANCED NANO - COMPANY SNAPSHOT

TABLE 21. ADVANCED NANO- OPERATING SEGMENTS

TABLE 22. HAKUSUI - COMPANY SNAPSHOT

TABLE 23. HAKUSUI - OPERATING SEGMENTS

TABLE 24. BYK - COMPANY SNAPSHOT

TABLE 25. BYK- OPERATING SEGMENTS

TABLE 26. ELEMENTIS- COMPANY SNAPSHOT

TABLE 27. ELEMENTIS - OPERATING SEGMENTS

TABLE 28. NANOPHASE: COMPANY SNAPSHOT

TABLE 29. UMICORE: COMPANY SNAPSHOT

TABLE 30. UMICORE: OPERATING SEGMENTS

TABLE 31. SAKAI - COMPANY SNAPSHOT

TABLE 32. SAKAI- OPERATING SEGMENTS

TABLE 33. SHOWA DENKO - COMPANY SNAPSHOT

TABLE 34. SHOWA DENKO- OPERATING SEGMENTS

TABLE 35. GRILLO- COMPANY SNAPSHOT

TABLE 36. GRILLO- OPERATING SEGMENTS

TABLE 37. WEIFANG LONGDA - COMPANY SNAPSHOT

List Of Figures

LIST OF FIGURES

- FIGURE 1. NANO ZINC OXIDE: MARKET SEGMENTATION
- FIGURE 2. WORLD NANO ZINC OXIDE MARKET SIZE, 2014-2022 (\$MILLION)
- FIGURE 3. WORLD NANO ZINC OXIDE MARKET REVENUE SHARE, BY APPLICATION, 2015 (%)
- FIGURE 4. WORLD NANO ZINC OXIDE MARKET REVENUE SHARE, BY REGION, 2015 (%)
- FIGURE 5. TOP INVESTMENT POCKETS, BY REGION
- FIGURE 6. NANO ZINC OXIDE MARKET: VALUE CHAIN ANALYSIS
- FIGURE 7. PORTER'S FIVE FORCES ANALYSIS
- FIGURE 8. TOP IMPACTING FACTORS: NANO ZINC OXIDE MARKET, 2015 VS. 2022
- FIGURE 9. MAJOR DRIVING FACTORS: NANO ZINC OXIDE MARKET
- FIGURE 10. OPPORTUNITIES: NANO ZINC OXIDE MARKET
- FIGURE 11. PAINTS & COATINGS MARKET, 2014-2022 (\$BILLION)
- FIGURE 12. COSMETICS MARKET, 2014-2022 (\$BILLION)
- FIGURE 13. GROSS DOMESTIC PRODUCT, BY COUNTRY, 2015
- FIGURE 14. SCHEMATIC DIAGRAM OF SYNTHESIS OF NANO ZINC OXIDE
- FIGURE 15. SCHEMATIC DIAGRAM OF SYNTHESIS OF NANO ZINC OXIDE
- FIGURE 16. U.S.: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 17. CANADA: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 18. MEXICAN NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 19. UK: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 20. GERMANY: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 21. FRANCE: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 22. SPAIN NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 23. ITALY: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 24. REST OF EUROPE: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 25. CHINA: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 26. JAPAN: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 27. KOREA: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 28. REST OF ASIA-PACIFIC: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 29. BRAZIL: NANO ZINC OXIDE MARKET, 2014-2022 (\$MILLION/TONS)
- FIGURE 30. SOUTH AFRICA: NANO ZINC OXIDE MARKET, 2014-2022

(\$MILLION/TONS)

FIGURE 31. REST OF LAMEA: NANO ZINC OXIDE MARKET, 2014-2022

(\$MILLION/TONS)

FIGURE 32. ADVANCED NANO: REVENUE ANALYSIS, 2014-2015 (\$MILLION)

FIGURE 33. ADVANCED NANO: REVENUE, BY GEOGRAPHY, 2015 (%)

FIGURE 34. BYK: REVENUE ANALYSIS, 2014-2015 (\$MILLION)

FIGURE 35. ELEMENTIS: REVENUE ANALYSIS, 2014-2015 (\$MILLION)

FIGURE 36. ELEMENTIS: REVENUE, BY BUSINESS SEGMENT, 2015 (%)

FIGURE 37. ELEMENTIS: REVENUE, BY GEOGRAPHY, 2015 (%)

FIGURE 38. NANOPHASE: REVENUE, 2014-2015 (\$MILLION)

FIGURE 39. NANOPHASE: REVENUE, BY APPLICATION SEGMENT, 2015(%)

FIGURE 40. UMICORE: REVENUE, 2014-2015 (\$MILLION)

FIGURE 41. UMICORE: REVENUE, BY BUSINESS SEGMENT, 2015 (%)

FIGURE 42. UMICORE: REVENUE, BY REGION, 2015(%)

FIGURE 43. SAKAI: REVENUE ANALYSIS, 2014-2015 (\$MILLION)

FIGURE 44. SHOWA DENKO: REVENUE ANALYSIS, 2014-2015 (\$MILLION)

FIGURE 45. SHOWA DENKO: REVENUE, BY BUSINESS SEGMENT, 2015 (%)

FIGURE 46. SHOWA DENKO: REVENUE, BY GEOGRAPHY, 2015 (%)

FIGURE 47. GRILLO: EMPLOYEE BY BUSINESS DIVISION, 2015

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