

# Global Nanomaterial Dispersant Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GC84A07C7B61EN.html>

Date: January 2026

Pages: 168

Price: US\$ 4,480.00 (Single User License)

ID: GC84A07C7B61EN

## Abstracts

The global Nanomaterial Dispersant market size is expected to reach \$ 8770 million by 2032, rising at a market growth of 4.5% CAGR during the forecast period (2026-2032).

Nanomaterial dispersants are special chemical additives that can uniformly disperse extremely small nanoparticles (1-100nm) into liquids or other media. By adsorbing onto the particle surface, they prevent the nanoparticles from agglomerating or precipitating due to their large specific surface area through charge repulsion or steric hindrance, thereby preparing a stable, high-concentration nanodispersion system that allows nanomaterials to exert their unique properties.

Global production of nanomaterial dispersants is projected to reach 788,000 tons in 2025, with an average price of \$8 per kilogram. Overall gross margins typically range from 40% to 60%.

The upstream of nanomaterial dispersants mainly consists of basic chemical raw materials such as surfactant monomers, polymer feedstocks, solvents and additives, as well as selected fine chemical intermediates and bio-based inputs. The purity stability, molecular structure control, and environmental profile of upstream materials directly determine dispersion efficiency and long-term stability for nanoparticles. The downstream is the core of value creation and spans new energy materials, functional coatings, electronics and semiconductors, composites, and biomedical materials. In the new energy sector, dispersants are used in lithium battery cathode and anode materials, conductive pastes, and electrode slurries, playing a critical role in conductive network formation, slurry rheology, and electrochemical performance. In coatings and inks, customers focus on uniform dispersion of nano pigments, carbon black, and functional fillers, as well as storage stability and impacts on optical and mechanical

properties. In electronics and semiconductor applications, dispersants must meet stringent requirements for high purity, low metal ion content, and minimal volatile residue, supporting polishing slurries, thermal interface materials, and functional film systems. Biomedical and advanced composite applications place greater emphasis on biocompatibility, low toxicity, and regulatory compliance.

In terms of development trends, nanomaterial dispersants are moving toward customized molecular design, functionalization, and greener formulations to match different particle sizes, surface chemistries, and application systems. Key drivers include rapid growth in new energy and electronic materials, rising demand for high-performance coatings and lightweight composites, and increasing downstream requirements for consistency and performance stability. Constraints include the complexity of nano systems, long application development and qualification cycles, and increasingly stringent environmental regulations on solvents and additives.

This report studies the global Nanomaterial Dispersant production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Nanomaterial Dispersant 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 Nanomaterial Dispersant that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Nanomaterial Dispersant total production and demand, 2021-2032, (Tons)

Global Nanomaterial Dispersant total production value, 2021-2032, (USD Million)

Global Nanomaterial Dispersant production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Nanomaterial Dispersant consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Nanomaterial Dispersant domestic production, consumption, key domestic manufacturers and share

Global Nanomaterial Dispersant production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Nanomaterial Dispersant production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Nanomaterial Dispersant production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Nanomaterial Dispersant 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 BYK, Evonik, BASF, The Lubrizol Corporation, Clariant, Dow, Nouryon, Arkema, allnex, Elementis, 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 used in analyzing the World Nanomaterial Dispersant market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) by manufacturer, by Type, 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 Nanomaterial Dispersant Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Nanomaterial Dispersant Market, Segmentation by Type:

Anionic

Cationic

Amphoteric

Nonionic

Polymer-based

Bio-based Dispersants

#### Global Nanomaterial Dispersant Market, Segmentation by Dispersion Medium:

Aqueous Dispersants

Oil-based Dispersants

General-purpose Dispersants

Solvent-free Dispersants

#### Global Nanomaterial Dispersant Market, Segmentation by Suitable for Nanomaterials:

Inorganic Nanopowder Dispersants

Carbon-based Nanomaterial Dispersants

Organic Nanomaterial Dispersants

Nano Pigment/Dye Dispersants

Global Nanomaterial Dispersant Market, Segmentation by Application:

Coatings & Inks

Plastics & Rubber

Electronics & Semiconductors

Biomedicine & Medical Devices

Paper & Textiles

Others

Companies Profiled:

BYK

Evonik

BASF

The Lubrizol Corporation

Clariant

Dow

Nouryon

Arkema

allnex

Elementis

Borchers

M?NZING

King Industries

Ashland

Croda

Toagosei

Kao

DIC

Sanyo Chemical Industries

Nippon Shokubai

Marubishi Oil Chemical

#### Key Questions Answered:

1. How big is the global Nanomaterial Dispersant market?
2. What is the demand of the global Nanomaterial Dispersant market?
3. What is the year over year growth of the global Nanomaterial Dispersant market?
4. What is the production and production value of the global Nanomaterial Dispersant market?
5. Who are the key producers in the global Nanomaterial Dispersant market?
6. What are the growth factors driving the market demand?

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