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Global Low-VOC Water-based Cleaner Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Low-VOC Water-based Cleaner market size is expected to reach $ 771 million by 2032, rising at a market growth of 7.3% CAGR during the forecast period (2026-2032).

In 2025, the global sales volume of low-VOC water-based cleaner is estimated to be approximately 95,000 tons, with a mainstream ex-factory price of around USD 4.8/kg. The gross margin of major manufacturers in the industry is estimated at approximately 25%?40%.

Low-VOC water-based cleaner is industrial cleaning agents that use water as the primary medium and feature low volatile organic compound content as a key environmental attribute. They are typically formulated with surfactants, co-solvents, chelating agents, corrosion inhibitors, pH regulators, dispersants and other functional additives. Compared with traditional solvent-based cleaners, they offer lower VOC emissions, reduced odor and lower flammability risk, making them more compliant with environmental regulations and workplace safety requirements. Compared with ordinary water-based cleaners, low-VOC water-based cleaners place greater emphasis on low emissions, material compatibility, cleaning efficiency and batch process stability.

Its upstream raw materials mainly include water, nonionic and anionic surfactants, low-VOC co-solvents, chelating agents, corrosion inhibitors, alkaline or acidic agents, defoamers, preservatives and other compounded additives. Downstream applications mainly cover electronics manufacturing, automotive manufacturing, metal products manufacturing, new energy manufacturing and other industrial cleaning scenarios. Typical cleaning objects include PCB assemblies, stencils and fixtures, machined metal parts, stamped parts, automotive components, battery structural parts and precision

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components. As VOC emission control becomes stricter, green substitution in industrial cleaning accelerates, and manufacturers place higher requirements on cleanliness, material compatibility and automated cleaning efficiency, low-VOC water-based cleaners are gradually replacing some traditional solvent-based cleaners. Product development is increasingly focused on low residue, low foaming, low corrosion, high compatibility and suitability for automated cleaning equipment.

This report studies the global Low-VOC Water-based Cleaner production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Low-VOC Water-based Cleaner 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 Low-VOC Water-based Cleaner that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Low-VOC Water-based Cleaner total production and demand, 2021-2032, (Tons)
Global Low-VOC Water-based Cleaner total production value, 2021-2032, (USD Million)
Global Low-VOC Water-based Cleaner production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)
Global Low-VOC Water-based Cleaner consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: Low-VOC Water-based Cleaner domestic production, consumption, key domestic manufacturers and share
Global Low-VOC Water-based Cleaner production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)
Global Low-VOC Water-based Cleaner production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
Global Low-VOC Water-based Cleaner production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Low-VOC Water-based Cleaner 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 KYZEN, ZESTRON, Techspray, Inventec Performance Chemicals, Brulin, ArmaKleen, Alconox, Henkel, SOCOMORE, CRC Industries, etc.

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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 Low-VOC Water-based Cleaner 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 Low-VOC Water-based Cleaner Market, By Region:

- United States
- China
- Europe
- Japan
- South Korea
- ASEAN
- India
- Rest of World

Global Low-VOC Water-based Cleaner Market, Segmentation by Type:

- Flux Residue Removal Type
- Oil and Grease Removal Type

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Particle Contamination Control Type

Global Low-VOC Water-based Cleaner Market, Segmentation by Chemical System:

Alkaline

Neutral

Acidic

Global Low-VOC Water-based Cleaner Market, Segmentation by Application Process:

Spray Cleaning

Ultrasonic Immersion Cleaning

Wipe Cleaning

Global Low-VOC Water-based Cleaner Market, Segmentation by Application:

Electronics Manufacturing

Automotive Manufacturing

Metal Products Manufacturing

New Energy Manufacturing

Other

Companies Profiled:

KYZEN

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ZESTRON

Techspray

Inventec Performance Chemicals

Brulin

ArmaKleen

Alconox

Henkel

SOCOMORE

CRC Industries

ZERUST

Vital New Material

Key Questions Answered:
1. How big is the global Low-VOC Water-based Cleaner market?
2. What is the demand of the global Low-VOC Water-based Cleaner market?
3. What is the year over year growth of the global Low-VOC Water-based Cleaner market?
4. What is the production and production value of the global Low-VOC Water-based Cleaner market?
5. Who are the key producers in the global Low-VOC Water-based Cleaner market?
6. What are the growth factors driving the market demand?

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