

Acetone - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

Acetone Market Analysis

The Acetone Market size is estimated at USD 7.23 billion in 2025, and is expected to reach USD 10.10 billion by 2030, at a CAGR of 6.91% during the forecast period (2025-2030). This market size trajectory is supported by acetone's expanding role as a VOC-exempt solvent, a feedstock for methyl methacrylate (MMA) and bisphenol A (BPA) co-production, and a high-purity medium for pharmaceutical manufacturing. Electric vehicle lightweighting, personal care demand in emerging economies, and post-COVID pharmaceutical capacity additions are accelerating volume growth. At the same time, bio-acetone technologies are eroding the dominance of cumene-based supply chains, while regulatory pressures on BPA and refinery rationalizations tighten traditional feedstock availability. Competitive dynamics remain moderate as vertically integrated majors secure raw materials and downstream outlets, even as biotechnology start-ups demonstrate carbon-negative acetone routes that could re-set industry cost curves.

Global Acetone Market Trends and Insights

Surging Demand for MMA-Based Acrylic Sheets in EV Lightweighting

Electric vehicle makers are replacing glass and metal with MMA-based acrylic sheets to cut curb weight, which multiplies acetone demand because MMA consumes roughly 0.5 pounds of acetone per pound produced. The average North American auto contained USD 4,371 worth of chemistry in 2023, underscoring the material intensity of modern vehicles. Stricter CAFE fuel-economy rules

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heighten the appeal of acrylic glazing over heavier substrates. Mitsubishi Chemical Group has advanced microwave-assisted PMMA recycling, creating a closed-loop premium that further strengthens downstream pull on the acetone market.

Expansion of Personal-Care Solvent Demand in Southeast Asia

Rising incomes and urbanization in Southeast Asia are reshaping beauty routines, making acetone a preferred solvent for nail polish removers and cosmetic blends. The chemical's rapid evaporation and low dermal irritation suit premium formulations. Local producers capitalize on acetone's VOC-exempt status, avoiding the stricter emission fees faced by alternative solvents and enhancing cost competitiveness across Thailand, Vietnam, and Indonesia.

Tightening BPA Regulations by EU & ECHA

The EU enforced broad BPA restrictions in January 2025 for food-contact articles, reducing phenol-acetone co-production volumes and removing a notable outlet for acetone in Europe. Producers must pivot to MMA, solvents, or bio-routes to cushion the demand gap. Parallel debates in North America and parts of Asia may duplicate regulatory limits, compounding pressure on cumene-based operations.

Other drivers and restraints analyzed in the detailed report include:

Growing Pharmaceutical API Solvent Requirements Post-COVID / Bio-Acetone Cost Parity via Waste-Glycerol Fermentation / Emerging VOC Limits on Solvent Use /

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

Solvents held 43.22% of 2024 revenues, supported by acetone's rapid evaporation and exemption from most VOC caps, especially in paints and adhesives. MMA is the fastest riser at 7.45% CAGR as acrylic glazing replaces glass in electric vehicles and construction. The bisphenol A segment faces regulatory drag, yet consumer electronics sustain some BPA volume through polycarbonate use. Methyl isobutyl ketone and specialty intermediates provide niche growth by leveraging acetone's versatile reactivity.

Supply-side changes are equally stark. Automotive lightweighting magnifies MMA pull, whereas microwave PMMA recycling from Mitsubishi Chemical Group creates circular demand loops that lengthen acetone market opportunity windows. Solvent blenders prize acetone for miscibility across polarities, permitting lower VOC coatings that meet tougher emission caps without costly reformulation. Overall, application mix diversification shields the acetone market from single-segment shocks even as BPA curbs unfold.

Paints, coatings, and adhesives consumed 37.88% of acetone in 2024 due to broad industrial adoption, yet cosmetics and personal care post the highest 7.23% CAGR to 2030. Southeast Asia's rising middle class fuels nail polish and skincare volumes, where acetone's low irritation profile is prized. Electronic devices channel acetone through polycarbonate resins, locking in stable demand. Automotive applications grow through MMA-based acrylic panels, while pharmaceuticals expand alongside new API plants in Asia.

Stable demand diversity bolsters resilience. Personal care formulators exploit acetone's dual miscibility to pair water and oil actives in a single product, raising formulation flexibility. In North America and Europe, professional salon chains adopt acetone-rich removers that cut service times, boosting repeat purchase cycles. Industrial end users maintain baseline volume

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through architectural coatings that need fast dry times.

The Acetone Market Report is Segmented by Application (Methyl Methacrylate, Bisphenol A, Solvents, and More), End-Use Industry (Cosmetics and Personal Care, Electronics, and More), Production Process (Cumene Process, Isopropanol Oxidation, and More), Grade (Technical Grade, Pharmaceutical Grade, and More), and Geography (Asia-Pacific, North America, Europe, and More). The Market Forecasts are Provided in Terms of Value (USD).

Geography Analysis

Asia Pacific captured 42.45% of 2024 volume owing to China's vast phenol-acetone and BPA base and Southeast Asia's expanding niche chemicals clusters. The region is projected to post a 7.66% CAGR to 2030 as local demand outstrips OECD growth. Government chemical industry roadmaps emphasize self-sufficiency and higher value products, steering capital into integrated refineries that can toggle between fuels and petrochemicals amid margin swings. China processed 14.8 million b/d of crude in 2023, underscoring feedstock availability for downstream acetone units.

North America enjoys a strong automotive and aerospace lightweighting pull, although refinery closures narrow the propylene supply for cumene. Europe faces the sharpest regulatory scrutiny on BPA but offsets some volume loss through sustainable production investments. INEOS's Marl facility exemplifies strategy that pairs feedstock control with carbon-cuts to future-proof acetone supply.

South America's industrialization, especially in Brazil, invites new imports as local capacity remains limited. State incentives to build chemical parks around ethanol feedstocks could spur fermentation projects over the forecast period. In the Middle East and Africa, low-cost naphtha and LPG underpin greenfield petrochemical complexes that include phenol-acetone integration, providing export-oriented supply but limited domestic pull.

List of Companies Covered in this Report:

Altivia / BASF SE / Borealis GmbH / Deepak / Formosa Chemicals & Fibre Corp. / Honeywell International Inc. / INEOS / Kumho P&B Chemicals / LG Chem / Mitsui Chemicals Inc. / Moeve / PTT Phenol Co. Ltd. / SABIC / Shell plc / Ufaorgsintez (Bashneft) /

Additional Benefits:

The market estimate (ME) sheet in Excel format /
3 months of analyst support /

Table of Contents:

- 1 Introduction
 - 1.1 Study Assumptions and Market Definition
 - 1.2 Scope of the Study
- 2 Research Methodology
- 3 Executive Summary
- 4 Market Landscape
 - 4.1 Market Overview
 - 4.2 Market Drivers

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- 4.2.1 Surging demand for MMA-based acrylic sheets in EV light-weighting
- 4.2.2 Rising polycarbonate consumption in consumer electronics
- 4.2.3 Expansion of personal-care solvent demand in Southeast Asia
- 4.2.4 Growing pharmaceutical API solvent requirements post-COVID
- 4.2.5 Bio-acetone cost parity via waste-glycerol fermentation
- 4.3 Market Restraints
 - 4.3.1 Tightening BPA regulations by EU and ECHA
 - 4.3.2 Refinery closures curbing cumene feedstock supply
 - 4.3.3 Emerging VOC limits on solvent use
- 4.4 Value Chain Analysis
- 4.5 Regulatory Landscape
- 4.6 Porter's Five Forces
 - 4.6.1 Bargaining Power of Suppliers
 - 4.6.2 Bargaining Power of Buyers
 - 4.6.3 Threat of New Entrants
 - 4.6.4 Threat of Substitutes
 - 4.6.5 Degree of Rivalry
- 4.7 Production Capacity Analysis
- 4.8 Trade Analysis

5 Market Size and Growth Forecasts (Value)

- 5.1 By Application
 - 5.1.1 Methyl Methacrylate (MMA)
 - 5.1.2 Bisphenol A (BPA)
 - 5.1.3 Solvents
 - 5.1.4 Methyl Isobutyl Ketone (MIBK)
 - 5.1.5 Other Applications (Chemical Intermediates)
- 5.2 By End-Use Industry
 - 5.2.1 Cosmetics and Personal Care
 - 5.2.2 Electronics
 - 5.2.3 Automotive
 - 5.2.4 Pharmaceutical
 - 5.2.5 Paints, Coatings and Adhesives
 - 5.2.6 Textile
 - 5.2.7 Other End-user Industry (Plastics)
- 5.3 By Production Process
 - 5.3.1 Cumene Process
 - 5.3.2 Isopropanol Oxidation
 - 5.3.3 Direct Propylene Oxidation
 - 5.3.4 Bio-based Fermentation
- 5.4 By Grade
 - 5.4.1 Technical Grade
 - 5.4.2 Pharmaceutical Grade
 - 5.4.3 Reagent/Analytical Grade
- 5.5 By Geography
 - 5.5.1 Asia-Pacific
 - 5.5.1.1 China

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- 5.5.1.2 India
- 5.5.1.3 Japan
- 5.5.1.4 South Korea
- 5.5.1.5 ASEAN
- 5.5.1.6 Rest of APAC
- 5.5.2 North America
 - 5.5.2.1 United States
 - 5.5.2.2 Canada
 - 5.5.2.3 Mexico
- 5.5.3 Europe
 - 5.5.3.1 Germany
 - 5.5.3.2 United Kingdom
 - 5.5.3.3 France
 - 5.5.3.4 Italy
 - 5.5.3.5 Russia
 - 5.5.3.6 Rest of Europe
- 5.5.4 South America
 - 5.5.4.1 Brazil
 - 5.5.4.2 Argentina
 - 5.5.4.3 Rest of South America
- 5.5.5 Middle East and Africa
 - 5.5.5.1 Saudi Arabia
 - 5.5.5.2 United Arab Emirates
 - 5.5.5.3 South Africa
 - 5.5.5.4 Rest of Middle East and Africa

6 Competitive Landscape

6.1 Market Concentration

6.2 Strategic Moves

6.3 Market Share Analysis

6.4 Company Profiles {(includes Global level Overview, Market level overview, Core Segments, Financials as available, Strategic Information, Market Rank/Share for key companies, Products and Services, and Recent Developments)}

6.4.1 Altivia

6.4.2 BASF SE

6.4.3 Borealis GmbH

6.4.4 Deepak

6.4.5 Formosa Chemicals & Fibre Corp.

6.4.6 Honeywell International Inc.

6.4.7 INEOS

6.4.8 Kumho P&B Chemicals

6.4.9 LG Chem

6.4.10 Mitsui Chemicals Inc.

6.4.11 Moeve

6.4.12 PTT Phenol Co. Ltd.

6.4.13 SABIC

6.4.14 Shell plc

6.4.15 Ufaorgsintez (Bashneft)

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7 Market Opportunities and Future Outlook
7.1 White-space and Unmet-Need Assessment

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