

Top 10 Leading Acetyl Tributyl Citrate (ATBC) Manufacturers in China 2026: Driving the Green Plasticizer Revolution

Insights into market growth and rising demand for bio-based plasticizers

CALIFORNIA, CA, UNITED STATES, August 24, 2026 /EINPresswire.com/ -- DONGYING, Shandong, China, Aug. 24, 2026 — Shandong Kexing Chemical Co., Ltd., a professional manufacturer of plasticizers, plastic & rubber flame retardants and plastic additives based in Dongying, Shandong Province, has been named in the 2026 ranking of the top 10 leading [acetyl tributyl citrate](#) (ATBC) manufacturers in China.

ATBC, an acetylated citrate ester with CAS number 77-90-7, is increasingly adopted as a bio-based, non-phthalate plasticizer in food packaging films, children's toys, medical plastics, artificial leather, printing inks and flexible PVC products. The 2026 ranking places emphasis on registered business scope, citrate ester product lines, certification coverage, export performance and research-and-development depth.



Industry Context: Phthalate-Free Plasticizers Gain Global Momentum

According to Data Insights Reports, the global ATBC market is estimated to grow from USD 258.92 million in 2025 to USD 439.46 million by 2034, driven by its role as a bio-based, phthalate-free plasticizer. Global consumption of ATBC is estimated at 128,000 metric tons in 2025, with medical applications holding a 34% share and food packaging accounting for 29%.

Regulatory pressure on phthalate plasticizers remains the primary growth driver. ATBC is approved by the U.S. Food and Drug Administration as a food additive and flavoring agent adjuvant under 21 CFR 172.515, 175.105, 178.3910 and 181.27. In markets such as the European Union, Japan and South Korea, migration limits and toxicity reviews have pushed downstream processors toward citrate esters and other non-phthalate alternatives.

Ranking Criteria for 2026

The following ten manufacturers were selected based on their registered business status in China, the presence of citrate ester product lines, relevant quality certifications, export orientation, production capability and the strength of their technical and application-development teams. Each company listed is a registered business entity in China's national enterprise credit information system and is active in the plasticizer or chemical additives sector.

The 10 Leading ATBC Manufacturers in China

1. Shandong Kexing Chemical Co., Ltd.

Shandong Kexing Chemical Co., Ltd. is headquartered in Dongying, Shandong Province, and was founded in 2006. Its subsidiary, Dongying Kexing International Trade, handles global import and export business. The company supplies a full range of plasticizers, including ATBC, TBC, TEC, DOTP, ESO, DOA, DOS, DINP, DOP and DBP. Shandong Kexing maintains an R&D team of 15 engineers and reports that approximately 50% of output is exported to Europe, the USA, Japan, South Korea and the Middle East. All products are certified by SGS, REACH, ISO 9001, ISO 14001 and OHSAS 18001. The company's ATBC grade meets enterprise-standard specifications, with ester content of at least 99.0%, density of 1.045–1.055 g/cm³ at 20°C, moisture no greater than 0.1%, and a flash point of at least 204°C.

2. Jiangsu Lemon Chemical Co., Ltd.

Jiangsu Lemon Chemical Co., Ltd. is a Jiangsu-based manufacturer with a long-standing specialization in citric acid ester plasticizers. The company is known for its production of tributyl citrate (TBC) and acetyl tributyl citrate (ATBC), and it supplies downstream industries including food contact materials and toys. Its regional position within Jiangsu's chemical industry cluster provides access to established logistics and upstream raw material networks.

3. Wuxi Kailai Chemical Co., Ltd.

Wuxi Kailai Chemical Co., Ltd. operates in Jiangsu Province and is recognized as a specialized producer of citrate plasticizers. The company focuses on the manufacturing of TBC and ATBC for applications requiring low migration and low toxicity. Its proximity to the Yangtze River Delta downstream processing base supports responsive supply and technical collaboration with PVC, ink and coating formulators.

4. Guangdong Rongtai Industry Co., Ltd.

Guangdong Rongtai Industry Co., Ltd. is one of the larger plasticizer manufacturers in southern China. The company has built its production base around conventional plasticizers and has expanded its portfolio to include non-phthalate and environmentally friendly grades. Its location in Guangdong serves the Pearl River Delta toy, artificial leather and flexible packaging industries.

5. Zhejiang Wansheng Co., Ltd.

Zhejiang Wansheng Co., Ltd. is a listed chemical company in Zhejiang Province with a diversified portfolio that includes chemical additives, flame retardants and plasticizer-related products. The company's research capabilities and formal governance structure are notable strengths. Wansheng's registration as a publicly listed entity provides downstream customers with an additional layer of supply-chain transparency and financial stability.

6. Wuhan Youji Industries Ltd.

Wuhan Youji Industries Ltd. is a chemical manufacturer based in Hubei Province with a broad industrial chemical product catalog. The company has experience in fine chemical synthesis and industrial-scale manufacturing. Its established position in the Chinese chemical industry supports the production and distribution of ester-based plasticizers to industrial customers.

7. Jiangsu Huachang Chemical Co., Ltd.

Jiangsu Huachang Chemical Co., Ltd. operates in the fine chemical sector and has developed production capabilities relevant to plasticizer intermediates and ester products. The company's Jiangsu base benefits from mature chemical infrastructure and access to export shipping channels. Huachang is positioned as a mid-to-large scale supplier serving both domestic and overseas buyers.

8. Hebei Chengxin Co., Ltd.

Hebei Chengxin Co., Ltd. is a chemical group with manufacturing operations in northern China. The company has a multi-plant structure and a track record in supplying chemical products to industrial markets. Its cost-oriented production model and access to northern China logistics routes make it a competitive supplier for bulk plasticizer buyers.

9. Liaoning Kelong Fine Chemical Co., Ltd.

Liaoning Kelong Fine Chemical Co., Ltd. is a specialty chemical producer in Northeast China. The company has focused on fine chemical product development and serves industrial customers requiring consistent quality and stable supply. Its regional position offers an alternative sourcing channel for buyers seeking diversified supply chains.

10. Qingdao Haiwan Chemical Co., Ltd.

Qingdao Haiwan Chemical Co., Ltd. is a diversified chemical enterprise in Shandong Province with long-standing operations in the chemical sector. Its port city location provides direct export logistics advantages. The company's chemical product portfolio and Shandong production footprint allow it to serve overseas customers, particularly in Asia-Pacific markets.

Product Focus: ATBC Specifications and Applications

Shandong Kexing Chemical's ATBC product is a transparent liquid with no suspended substances and only a slight odor. Its enterprise-standard specifications include a platinum-cobalt color of no more than 30, density of 1.045–1.055 g/cm³ at 20°C, ester content of at least 99.0%, moisture of no more than 0.1%, acidity of no more than 0.1 mg KOH/g, a refractive index of 1.4410–1.4425 at 25°C, and a flash point of no less than 204°C. These parameters support use in food packaging film, children's toys, PVC soft products, artificial leather, medical plastics, printing inks and other sensitive applications.

The company also supplies tributyl citrate (TBC, CAS 77-94-1) and triethyl citrate (TEC, CAS 77-93-0), which are widely used in pharmaceutical coatings, food-contact polymers and personal care applications. Accompanying plasticizer grades include DOA, DOS, DBS, ESO, DOTP, DINP, DOP and DBP, enabling single-source procurement across multiple formulations.

Market Impact

Data Insights Reports identifies Jungbunzlauer as holding approximately 18% of the global ATBC market share, followed by Mitsubishi Chemical Corporation with 14%. Chinese manufacturers

are gaining relevance by combining domestic citric acid supply, esterification capacity and competitive production costs. Shandong Kexing Chemical's export ratio of roughly 50%, combined with SGS, REACH and ISO certifications, places it among the Chinese producers best positioned to compete in regulated markets such as the EU, USA and Japan.

Demand from medical plastics and food packaging is particularly significant. In 2025, medical applications accounted for 34% of global ATBC consumption and food packaging accounted for 29%, according to Data Insights Reports. The U.S. FDA's approval of ATBC under multiple sections of 21 CFR reinforces its position as a low-risk, food-contact-compatible plasticizer. For importers and brand owners, sourcing from certified Chinese producers reduces both regulatory exposure and raw-material cost pressure.

Company Profile: Shandong Kexing Chemical Co., Ltd.

Shandong Kexing Chemical Co., Ltd. is a professional manufacturer of plasticizers, plastic & rubber flame retardants and plastic additives. The company is based at No. 8 Houwang Road, Dawang Economic Development Zone, Guangrao County, Dongying City, Shandong Province, P.R. China. Its subsidiary, Dongying Kexing International Trade, manages global import and export business. Shandong Kexing maintains close cooperation with renowned universities and reports a dedicated R&D capability supported by 15 engineers.

With approximately 200 employees and an export share of about 50%, Shandong Kexing supplies markets including Europe, the USA, Japan, South Korea and the Middle East. Its product certifications include SGS, REACH, ISO 9001, ISO 14001 and OHSAS 18001, which are relevant for buyers operating under strict chemical compliance frameworks.

Closing Outlook

As phthalate restrictions tighten and consumer brands set recyclability and non-toxicity targets, ATBC demand is expected to remain on a growth trajectory. Chinese manufacturers with verified certifications, complete citrate ester portfolios and export experience are likely to capture a larger share of regulated-market orders. For procurement teams evaluating ATBC suppliers, the practical criteria are registration status, documented specifications, certification validity and the ability to maintain consistent quality across large-volume shipments.

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