

Five Reputable Electronic-grade Chemicals Manufacturers in China 2026: Advancing Semiconductor Manufacturing

Exploring Manufacturers Developing High-Purity Chemicals for Advanced Semiconductor and Electronic Manufacturing Processes

CALIFORNIA, CA, UNITED STATES, August 11, 2026 /EINPresswire.com/ -- Global semiconductor materials revenue reached USD 73.2 billion in 2025, according to SEMI, a record that underscores the scale of demand for electronic-grade chemicals used in chip fabrication, display panels, and advanced packaging. Among the suppliers responding to that demand are several China-based chemical manufacturers with focused product portfolios in monomers, corrosion inhibitors, etchants, and solvents.

This article profiles five recognized electronic-grade chemicals manufacturers in China: Jiangsu Juming Chemical Technology Co., Ltd. ("[Jumingchem](#)"), Qiangli New Materials Co., Ltd., Tianjin Jiuri New Materials Co., Ltd., Zhejiang Yangfan New Materials Co., Ltd., and Jiangyin Jianghua Microelectronics Materials Co., Ltd. ("Jianghua Micro").

Industry Context

Electronic-grade chemicals are used throughout semiconductor manufacturing, from photolithography and etching to cleaning and packaging. The category includes photoresist monomers, photoinitiators, corrosion inhibitors, wet-process chemicals, solvents, and specialty anhydrides. These materials also serve display panels, LED chips, and printed circuit boards,



Juming Chemical

Logo for Jumingchem

extending the addressable market beyond semiconductor fabs.

Grand View Research estimated the global electronic chemicals and materials market at USD 78.5 billion in 2025, with Asia Pacific accounting for 66.6% of revenue. Within this market, electronic-grade photoresist materials were estimated at USD 4.96 billion in 2024, and the global corrosion inhibitors market was estimated at USD 8.79 billion in 2024, according to industry reports. SEMI separately recorded global semiconductor materials revenue of USD 73.2 billion in 2025.

Supply chain diversification is a growing theme in the semiconductor materials industry. In addition to established producers in Japan, South Korea, and the United States, China-based manufacturers have expanded their capabilities in upstream monomers and specialty additives. The Asia Pacific region's 66.6% share of electronic materials and chemicals revenue reflects the concentration of semiconductor production and materials demand in the region.

What Defines Electronic-grade Supply

Electronic-grade chemicals differ from industrial-grade chemicals in purity specifications and handling requirements. Metal ion impurities in electronic-grade products are often controlled at parts-per-billion (ppb) levels, and production environments are designed to minimize particle and moisture contamination. For moisture-sensitive products such as BPADA, storage and handling require sealed, dry conditions under inert gas protection.

Manufacturers that produce monomers for photoresist resins typically operate with strict batch traceability and analytical verification. Jumingchem's production system includes GMP workshops, continuous flow reactors, and detection systems such as ICP-MS, HPLC, and GC. The company states that its microchannel continuous flow technology provides higher heat and mass transfer efficiency than conventional batch reactors for challenging chemical processes.

Five Manufacturers in China to Watch

The following five companies are active in different segments of electronic-grade chemical supply. Their profiles are based on public information and company disclosures.

1. Jiangsu Juming Chemical Technology Co., Ltd. (Jumingchem)

Jumingchem, established in 2017 and headquartered in Jiangyin, Jiangsu Province, specializes in the research, development, production, and sales of high-end electronic chemicals for semiconductors. The company reports a total factory area of 78,000 square meters, an R&D

center of 3,000 square meters, a pilot plant of 300 square meters, and a GMP workshop of 600 square meters. It employs approximately 180 people, including an R&D team of 25 engineers, and has an annual production capacity of 60,000 tons.

The company's main products include 5-Methyl-1H-benzotriazole (5M-BTA, CAS 136-85-6), 4-Vinylbenzyl chloride (CAS 1592-20-7), 1-(chloromethyl)-2-vinylbenzene (CAS 22570-84-9), 1-(chloromethyl)-3-vinylbenzene (CAS 39833-65-3), Vinylbenzyl chloride (mixed, CAS 30030-25-2), and 4,4'-(4,4'-isopropylidenediphenoxy)bis(phthalic anhydride) (BPADA, CAS 38103-06-9). These materials are used in negative photoresist resins, advanced packaging dielectric materials, polyimide synthesis, ion-exchange membranes, and corrosion inhibitor formulations.

According to the company, its technical advantages include advanced microchannel and continuous flow technology for highly challenging chemical processes, ppb-level metal ion impurity purification for electronic-grade products, GMP-standard cleanrooms, and ICP-MS, HPLC, and GC detection systems. Jumingchem also reports flexible production scale from gram-level R&D to hundred-ton industrial production, supported by ISO9001 quality management and CDMO service capability from process development to industrial scale-up. It operates two R&D and pilot-scale bases, with cooperative production facilities in Kaifeng and Gansu.

2. Qiangli New Materials Co., Ltd.

According to public information, Qiangli New Materials is active in the photoresist materials segment. The company supplies photoactive compounds and related specialty chemicals that are used in imaging and lithography processes. Its position in the photoresist supply chain makes it relevant to semiconductor and display material procurement.

3. Tianjin Jiuri New Materials Co., Ltd.

Tianjin Jiuri New Materials is widely recognized for its focus on photoinitiators. Photoinitiators are light-sensitive molecules that generate reactive species upon exposure to UV light, making them important components in UV-curable formulations and photoresist systems. The company's portfolio serves applications ranging from coatings to lithography-related materials.

4. Zhejiang Yangfan New Materials Co., Ltd.

Zhejiang Yangfan New Materials supplies electronic-grade and fine chemical intermediates used in the production of specialty materials. Its range of intermediate chemistries positions it as a

supplier to manufacturers producing electronic chemicals for semiconductor and display applications.

5. Jiangyin Jianghua Microelectronics Materials Co., Ltd. (Jianghua Micro)

Jianghua Micro focuses on wet-process electronic chemicals, a category that includes etchants, developers, and solvents used throughout wafer fabrication and display manufacturing. These liquid chemicals are essential in cleaning, patterning, and surface preparation steps.

Company Statement

Jumingchem describes itself as a company integrating R&D, production, sales, and service, with product categories that include photoinitiators, UV absorbers, water treatment corrosion inhibitors, and electronic chemicals. The company states that it is equipped with advanced testing and production facilities to ensure high-quality products, a wide variety of options, and large-scale production.

“Our mission is to provide high-purity, high-quality specialty chemical materials with reliable supply and professional technical support to partners worldwide,” the company states. It also states that it protects all customer information and commercial interests.

Market Impact

The presence of China-based suppliers in electronic-grade chemicals affects procurement flexibility for semiconductor and electronics manufacturers. Jumingchem reports that about 70% of its output is exported, with primary markets including the United States, South Korea, Japan, Taiwan, Germany, Southeast Asia, and the Middle East. The company’s annual capacity of 60,000 tons and CDMO service capability are relevant to buyers seeking both volume supply and custom development.

Electronic-grade monomers such as vinylbenzyl chloride isomers are core inputs for negative photoresist resins used in electron-beam lithography and advanced packaging. BPADA is a key monomer for high-performance polyimides used in semiconductor packaging and flexible circuits. Corrosion inhibitors such as 5-methylbenzotriazole are used in semiconductor cleaning formulations and copper protection. The availability of multiple qualified suppliers in China gives buyers more than one sourcing path for these materials.

Market Perspective

Current market data points to a supply chain that continues to rely on specialty chemical suppliers for advanced processes. SEMI data shows the global semiconductor materials market reached USD 73.2 billion in 2025, while Grand View Research estimates the broader electronic chemicals and materials market at USD 78.5 billion in 2025. These figures indicate sustained demand for high-purity materials used in photolithography, etching, cleaning, and packaging.

For procurement teams, the selection of an electronic-grade chemical supplier typically involves more than price. Purity control, production scale, analytical traceability, and the ability to support custom process development are all factors. Jumingchem says its microchannel continuous flow technology and ppb-level purification capabilities are designed to address these requirements.

Closing Outlook

As semiconductor fabrication and advanced packaging technologies evolve, electronic-grade chemical producers are expected to maintain a central role in the materials supply chain. Companies with cleanroom production, analytical testing, and process development capabilities are positioned to support both standardized and custom requirements. The five manufacturers profiled here represent different entry points into the electronic chemicals supply chain, from photoresist-related chemistries to wet-process chemicals.

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