

US Electronic Grade Sulfuric Acid For Semiconductor Industry

Market Report | 2025-07-01 | 350 pages | Data Bridge Market Research

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Report description:

The U.S., electronic grade sulfuric acid for semiconductor (etching) industry is expected to reach USD 1,107,706.27 thousand by 2032 from USD 680,251.18 thousand in 2024, growing with a CAGR of 6.4% in the forecast period of 2025 to 2032.

Market Segmentation:

U.S. Electronic Grade Sulfuric Acid For Semiconductor (Etching) Industry, Type (Parts Per Trillion (PPT) and Parts Per Billion (PPB)), Purity (96% Pure, Less than 96% and 99% Pure), Packaging (ISO Tanks, IBC/Liners, Drums and Others), Application (Wet Etching, Dry Etching, Laser Etching and Electrolytic), Country (U.S.) - Industry Trends and Forecast to 2032

Overview of U.S. electronic grade sulfuric acid for semiconductor (etching) industry Dynamics:

Drivers

- Expansion of the global semiconductor industry driving sulfuric acid consumption
- Growing need for wafer cleaning and etching processes in electronics production
- Rising EV and IoT production driving demand for ultra-pure sulfuric acid in chip manufacturing
- Transition to advanced semiconductor nodes increases demand for ultra-high-purity sulfuric acid.

Restraint

- High production and purification costs of electronic-grade sulfuric acid.
- Stringent environmental and safety regulations for handling hazardous chemicals.

Opportunity

- Growing emphasis on eco-friendly chemicals drives innovation in sulfuric acid production.
- Collaborations between chemical suppliers and semiconductor firms enhance supply stability.
- Rising investments in semiconductor fabrication plants

Challenges

- Limited availability of ultra-pure sulfuric acid impacting consistent supply.
- Complex logistics and storage requirements for high-purity chemical handling.

Market Players:

The key market players operating in the U.S. electronic grade sulfuric acid for semiconductor (etching) industry are listed below:

- BASF
- LINDE PLC
- PVS CHEMICALS

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- FUJIFILM Wako Pure Chemical Corporation
- Honeywell International Inc.
- LANXESS
- INEOS
- KANTO KAGAKU
- TAYCA Co., Ltd
- Furukawa Electric Co., Ltd
- Entegris, Inc
- Moses Lake Industries, Inc.
- Merck KGaA
- NAMHAE CHEMICAL CORP
- Columbus Chemicals
- KOREAZINC
- Spectrum Chemical
- Brenntag Nordic AB
- Thermo Fisher Scientific Inc.
- Avantor, Inc.
- Sumitomo Chemical Co., Ltd.

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