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Electronics Materials Information



# 2022-2026 THE IMPACT OF CHIP EXPANSIONS ON THE US WET CHEMICAL SUPPLY CHAIN

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# IMPACT OF CHIP EXPANSION ON US WET CHEMICAL SUPPLY - OVERVIEW

This is a special study looking at US supply and demand of semiconductor grade wet chemicals with a focus on answering these important questions:

- **What will the impact of the expansions announced from intel, Samsung and TSMC be on the supply-chain?**
  - **Will there be enough local supply? What portion will have to come from imports?**
  - **If the growth in demand comes from imports what would be the impact to chemical cost?**
- **And other important questions:**
  - **How much semiconductor grade wet chemicals is being consumed in the US today?**
  - **What portion of this is from imports?**
  - **Who is making it versus getting it from overseas?**

All estimates are based on 2021 Wet Chemical Forecasts by TECHCET, 4Q2021 chip fabricator wafer capacity estimates by SEMI, publicly announced chip expansions, and publicly announced chemical expansions.

# RESEARCH METHODOLOGY

TEHCET employs subject matter experts having first-hand experience within the industries which they analyze. Most of TEHCET's analysts have over 25 years of direct and relevant experience in their field. Our analysts survey the commercial and technical staff of IC manufacturers and their suppliers, and conduct extensive research of literature and commerce statistics to ascertain the current and future market environment and global supply risks. Combining this data with TEHCET's proprietary, quantitative wafer forecast results in a viable long-term market forecast for a variety of process materials.

## READER'S NOTE

This report represents the interpretation and analysis of information generally available to the public or released by responsible agencies or individuals. Data was obtained from sources considered reliable. However, accuracy or completeness is not guaranteed.



**Terry Francis** -Director of Technology & Sr. Analyst of TECHCET— covers metal chemicals and specialty wet cleans. His work experience includes CTO, Sr. Director, Technical application expert, process manager and engineering management from companies such as Matheson, Air Products, Applied Materials, Burroughs, NCR, AMI, and National Semiconductor. He has over 40 years of experience in the semiconductor industry and has managed businesses from \$2M to over \$100M in revenues.

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