

April 8, 2025

**Entered the cutting-edge semiconductor memory field and  
begin selling semiconductor-grade high-purity COS gas**

We, Kumiai Chemical Industry Co., Ltd. (Kumiai) have succeeded in commercializing the cutting-edge semiconductor memory field, and begin selling semiconductor-grade high-purity COS gas in 2025. We will continue to take on the challenge of discovering new compounds and developing materials, to expand into new business areas, including the cutting-edge semiconductor memory field, with the launch of this product.

Since the business integration with Ihara Chemical Industry in 2017, Kumiai has been working to develop new products to become the Fine Chemicals Business as the second pillar alongside the Agrochemical Business. We focused on that intermediate of agricultural chemical, carbonyl sulfide (COS), used to produce semiconductor memory (3D NAND) as an etching gas and started the development of COS gas in 2019.

In order to use COS gas in semiconductor grade, it is necessary to increase the purity of COS gas to make it “high-purity COS gas,” we completed construction of a new facility for the purified COS gas in the Shizuoka factory in 2021.

At this time, we have successfully commercialized semiconductor-grade high-purity COS gas by optimization for the production method, etc. at this facility, and will begin full-scale sales during the fiscal year 2025.

We will continue to take on the challenge of expanding into new business areas, including the cutting-edge semiconductor memory field, with the launch of high-purity COS gas.

<Inquiry for this press release>

Kumiai Chemical Industry Co., Ltd.

Customer Inquiry Form (<https://www.kumiai-chem.co.jp/english/contact.html>)