


BUSINESS OVERVIEW



OCI is expanding opportunities across current and future industries. Building on more than six decades of experience and innovation in the basic and carbon chemicals and materials fields, we work closely with global industry leaders and innovators across the full spectrum of manufacturing to develop and deliver value-added chemicals and materials that will help shape a sustainable future for all.

Polysilicon

We are Korea's sole manufacturer of ultra-pure electronic-grade polysilicon, the primary raw material used to produce silicon wafers, the building blocks of the semiconductor industry.

We continue to sharpen competitiveness through ongoing process optimization and cost-reduction initiatives at our 4,700 metric ton plant in Gunsan. We are also pursuing new growth opportunities as we respond to rising demand from existing customers and expand collaboration with new ones during the current semiconductor industry boom.

Phosphoric acid

We are Korea's leading producer of ultra-high purity phosphoric acid, a key process chemical used to etch semiconductor wafers during fabrication.

We continued to strengthen our market leadership in 2025 by launching a 5,000 metric ton debottlenecking project aimed at boosting production capacity from 25,000 to 30,000 metric tons in 2026. We continue to monitor the expansion plans of major customers to ensure we are able to proactively respond to rising demand as we step up collaboration initiatives to develop new phosphoric acid-based etchant products.

Hydrogen peroxide

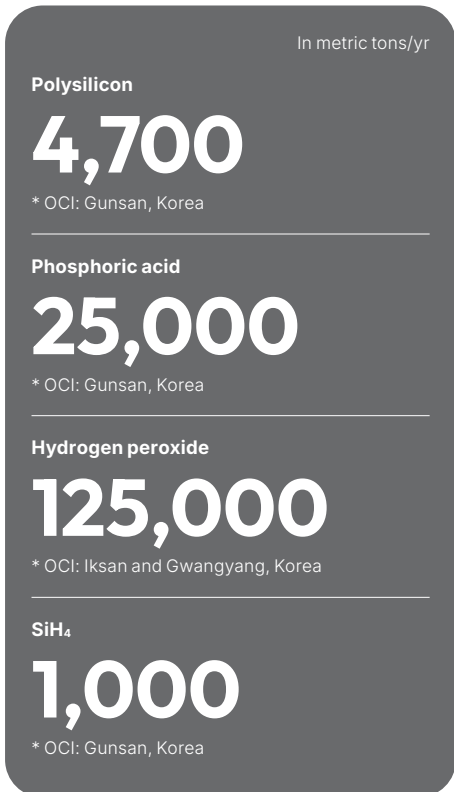
We are a major Korean supplier of high-purity electronic-grade hydrogen peroxide, a chemical compound widely used as an etchant and cleaning solution in the semiconductor, display, and solar PV industries.

In 2025, we acquired P&O Chemical, a joint venture with POSCO Future M, boosting production capacity to 125,000 metric tons. In addition to opening the door for new synergies with existing operations in Gwangyang, the acquisition positions us to expand our market leadership in high-tech fields with greater economies of scale as we actively respond to meet rising demand from semiconductor industry customers.



BASIC CHEMICALS

SEMICONDUCTOR & ADVANCED MATERIALS



Semiconductor precursors

Our first product in this category is HCDS, a chemical compound primarily used to create the high-purity silicon thin films essential to the fabrication of integrated circuits and other semiconductor devices.

Our Gunsan plant has an HCDS production capacity of 18 metric tons. We enjoy a solid cost advantage due to our ability to produce HCDS with by-product STC gas generated by our electronic-grade polysilicon operations. Looking ahead, we aim to steadily expand our precursor portfolio through active collaboration with new customers.



SiH₄

This material is key to producing silicon anode materials for high-performance rechargeable batteries.

We completed a 1,000 metric ton SiH₄ line at our Gunsan plant in 2025 after securing UK-based battery anode innovator Nexeon as our initial customer. The new line uses ultra-high purity TCS by-product from our electronic-grade polysilicon operations and is expected to begin supplying Nexeon's new anode plant via pipeline when that facility becomes operational in 2026, steadily ramping up deliveries over time.

BASIC CHEMICALS

BASIC MATERIALS



Caustic soda

We are Korea's No. 5 producer of caustic soda, a highly versatile chemical used by a wide spectrum of industries ranging from electronics, paper, and textiles to detergents, wastewater treatment, and pharmaceuticals.

Our Gunsan plant has a production capacity of 117,000 metric tons. We continue to pursue new opportunities in value-added fields such as battery materials where high-purity grades are widely used to remove impurities from cathode precursor materials.

In metric tons/yr

Caustic soda

117,000

* OCI: Gunsan, Korea

TDI

50,000

* OCI: Gunsan, Korea

Toluene di-isocyanate

We are a global supplier of TDI, a versatile chemical primarily used to make polyurethane products ranging from flexible foams for car interiors, shoes, furniture, and mattresses to coatings, sealants, and adhesives.

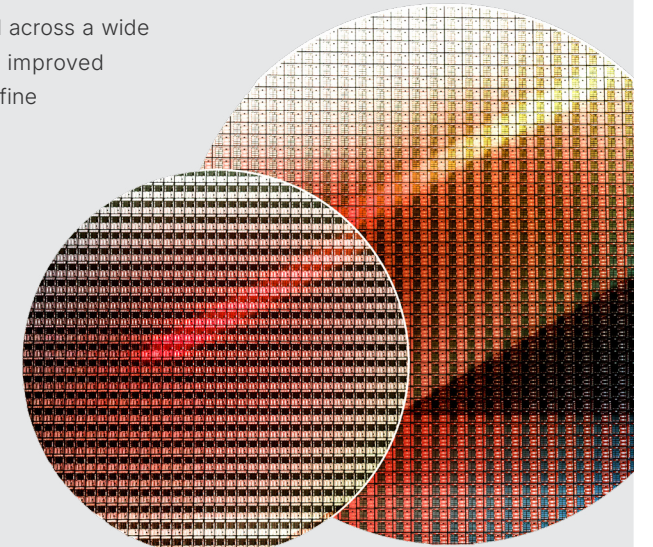
Our Gunsan plant has a production capacity of 50,000 metric tons and primarily serves customers in Korea as well as key international markets such as Russia, Türkiye, and Southeast Asia.



Fumed silica

We are Korea's sole manufacturer of fumed silica, a versatile material used across a wide spectrum of applications ranging from functional reinforcement such as improved thickening and anti-sag properties in silicone sealant and rubber products to fine abrasives for precision smoothing and polishing.

Our Gunsan plant has a production capacity of 9,000 metric tons. We continue to expand our value-added product lineup with new hydrophobic grades as well as high-purity hydrophilic grades for demanding processes such as silicon wafer chemical-mechanical polishing.



Pitch

We are a top-3 global producer of liquid pitch, a material commonly used as an electrode binder in aluminum smelting and electric arc furnace applications.

Our global production network has a total capacity of 520,000 metric tons, consisting of 220,000 metric tons in Korea and 300,000 metric tons in China. In 2025, we expanded our portfolio into the semiconductor materials field with the launch of pitch deliveries for isotropic artificial graphite, a key material for crucibles used to melt polysilicon into ingots during wafer manufacturing as well as wafer heating elements used in the deposition process.



CARBON CHEMICALS

CARBON MATERIALS

In metric tons/yr

Pitch

520,000

* OCI: Pohang and Gwangyang, Korea
Shandong OCI: Zaozhuang, China
Ma Steel OCI: Maanshan, China

BTX

260,000

* OCI: Gwangyang, Korea

Carbon black

420,000

* OCI: Pohang and Gwangyang, Korea
HD Hyundai OCI: Daesan, Korea

BTX

We are Korea's sole producer of coal-based benzene, toluene, and xylene, the base feedstocks of the global petrochemical industry. Benzene is the base feedstock of many common chemicals, including plastics, detergents, and agricultural pesticides. Toluene and xylene are solvents commonly used in paint and ink.

Our Gwangyang plant has a combined BTX production capacity of 260,000 metric tons.



Plasticizers

We produce a full lineup of plasticizers, chemicals designed to improve the flexibility, cold resistance, and processability of PVC products ranging from electric power cables, wall and floor coverings, and PVC film to synthetic leather and automotive sealers.

Our Pohang plant has a production capacity of 65,000 metric tons.

Carbon black

We are Korea's largest manufacturer of carbon black, a material primarily used as a reinforcing agent to enhance the strength and durability of tires and other rubber products. It is also widely used as a pigment for plastics, printer toner, ink, and paint.

Our global sales capacity currently stands at 420,000 metric tons. Our Pohang and Gwangyang plants provide 270,000 metric tons of the total, with an additional 150,000 metric tons coming from HD Hyundai OCI, a joint venture located in Daesan. In the first half of 2026, we completed a 30,000 metric ton expansion project dedicated to conductive carbon black production, further expanding our specialty grade product portfolio. We also continue to advance product sustainability with our innovative plastic and tire pyrolysis technologies to produce eco-friendly recovered carbon black grades.

