



**Kuehne**  
COMPANY

# **We Make Water Safe to Drink**

A Critical Infrastructure Company



# About Kuehne

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Kuehne (pronounced KEY-KNEE) is a private, woman-owned chlor alkali producer with a rich 104-year history. The chemicals derived from the chlor alkali process are integral to the production of various goods across nearly every industry.

One noteworthy example is sodium hypochlorite (bleach), for which Kuehne is a leading manufacturer and distributor in the Northeastern and Mid-Atlantic regions.

The company's pivotal role in providing safe drinking water for over 30 million people designates it as a critical infrastructure provider.

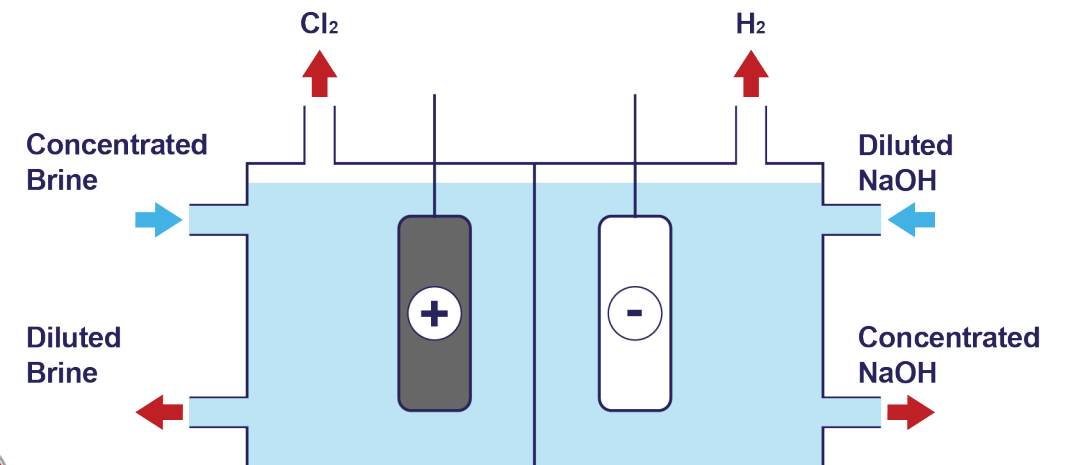






# Electrolysis Technology

Large-scale electrolysis technology is utilized in the production of chlor alkali chemicals. A direct electrical current is applied to an aqueous sodium chloride solution (brine of salt and water) in a membrane cell. This interaction results in the production of chlor alkali chemicals.



# Sustainable and Environmentally Friendly

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In a strategic effort to address the high energy consumption associated with large-scale electrolysis technology, Kuehne takes a proactive, sustainable, and environmentally friendly approach by reusing hydrogen, a valuable byproduct of the process, which can also be captured as a source of clean renewable energy.

This innovative step, coupled with Kuehne's proprietary technique for producing Concentrated Low-Salt Bleach (a higher strength version with fewer impurities), not only sets them apart from competitors but also leads to reduced traffic, as fewer trucks are required for transportation.

Added benefits include cleaner air, a significant reduction in CO2 emissions, healthier communities, and reduced consumption of diesel fuel.





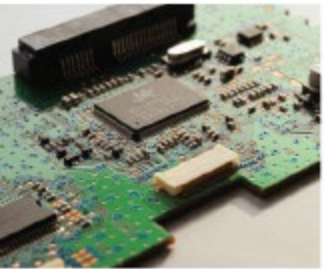


# Kuehne's Chemicals

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The chemicals derived from Kuehne's chlor alkali process are integral to the production of various goods across nearly every industry.

- Sodium Hypochlorite ( $\text{NaClO}$ )
- Chlorine ( $\text{Cl}_2$ )
- Sodium Hydroxide ( $\text{NaOH}$ )
- Hydrogen ( $\text{H}_2$ )
- Hydrochloric Acid ( $\text{HCl}$ )





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## Contact Us

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