

Caustic Soda

June 10, 2026 • vajiramandravi.com



Caustic Soda Latest News

The Environment (Protection) Second Amendment Rules, 2025 require caustic soda plants using membrane cell technology to pass a fish-survival test for wastewater toxicity.

About Caustic Soda

- Caustic soda, also known as **sodium hydroxide**, is one of India's most widely used industrial chemicals.
- **Other names:** Lye, soda lye, and sodium hydrate.
- It is produced by the **electrolysis of aqueous solutions of sodium chloride** (brine) or by reacting naturally occurring sodium carbonate with calcium hydroxide.

Properties of Caustic Soda

- This **compound is an alkali** – a type of base that can neutralize acids and is soluble in water.
- At **room temperature**, sodium hydroxide is a **white crystalline** odorless solid that absorbs moisture from the air

- When **dissolved in water** or neutralized with acid it **liberates substantial heat**.
- Its **solution appears as a colorless** liquid and more dense than water.
- Its contact may severely irritate skin, eyes, and mucous membranes.
- It is **corrosive to metals and tissue**.

Applications of Caustic Soda

- It is used in **industries such as soap**, detergents, paper, textiles, aluminium, petrochemicals and water purification.
- It is also used in **processing cotton fabric**, laundering and bleaching, metal cleaning and processing, oxide coating, electroplating, and electrolytic extracting.

Source: DTE

Source: <https://vajiramandravi.com/current-affairs/caustic-soda/>

© Vajiram & Ravi. For personal use only.