# Sodium Hypochlorite

NaOCl | Solution, 10–15% available chlorine

## PRODUCT OVERVIEW

Sodium hypochlorite, the liquid chlorine disinfectant for drinking water, wastewater, cooling water and pools. Corrosive and releases chlorine gas with acids: keep it apart from acids and ammonia, and store it cool, shaded and vented, as it loses strength over weeks.

## TYPICAL SPECIFICATION

| Characteristic | Units | Typical value | Test method |
|---|---|---|---|
| Available chlorine (as Cl) | - | **10–15% w/w at dispatch, by grade** | Iodometric titration |
| Free alkali (as NaOH) | - | **0.3–1.5%** | Titration |
| Sodium carbonate (NaCO) | - | **1% max** | Titration |
| Iron (Fe) | - | **1–2 mg/kg max** | ICP / colorimetric |
| Chlorate and bromate | - | **Low; limits set for drinking-water grades (EN 901, AWWA B300)** | Ion chromatography |
| Density at 20 °C | - | **About 1.17–1.25 g/cm³, by strength** | Hydrometer |
| pH | - | **12–13.5** | pH meter |
| Appearance | - | **Clear, pale yellow-green liquid** | Visual |

## SUPPLY AND PACKING

Vented HDPE cans and drums, opaque IBCs and road tanker, usually from regional producers to limit decay in transit. Shipped as class 8 dangerous goods (UN 1791, PG III per SDS). Delivered or FOB on request; pack sizes are confirmed with each offer.

## DOCUMENTATION

Every shipment includes a Certificate of Analysis. Certificate of Origin and MSDS are available on request. Destination-specific import or phytosanitary documentation is confirmed where applicable.

## NOTICE

Values are typical and published for reference; they are not a certificate of analysis. Agree the specification of the offered batch, the packing and any destination requirements before ordering.