

Sodium Hypochlorite 10-12%



Sodium hypochlorite is a chemical compound with the chemical formula NaClO . It can also be classified as one of the sodium salts of hypochloric acid. It is commonly known as bleach when dissolved in water. [1]In fact, sodium hypochlorite is practically and chemically different from chlorine. [2]Sodium hypochlorite is used as a disinfectant or bleaching agent

Sodium hypochlorite is known as Javel water, or just Javel. It was discovered by the French chemist Claude Louis Berthollet in 1789 and called it "Eau de Javel".

Preparation

The most common method of preparation is by treating the sodium hydroxide solution with chlorine gas



It can also be obtained from the electrolysis of a concentrated solution of sodium chloride in analysis cells that do not contain a diaphragm or a membrane (membrane) in order to separate the analysis products between the two poles of the cell, as is the case in the preparation of sodium hydroxide. These cells operate at low temperatures and almost mild solutions.



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Other names

Sodium Hypochlorite, Javel Water
Antiformin
Bleach
Chloride of soda
In dilution:
Carrel-Dakin solution
Modified Dakin's solution
Surgical chlorinated soda solution

Technical Information

Molecular formula	NaClO
molar mass	74.442 g/mol
The appearance	greenish-yellow solid (pentahydrate)
Odor	chlorine-like and sweetish
density	1.11 g/cm ³
melting point	18 °C, 291 °C, 64 °F
boiling point	101 °C, 374 °C, 214 °F
Solubility in water	29.3 g/100 milliliters (0 °C)
acidity (<i>pKa</i>)	>7

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Packing

IBC Tank 1000 Lit

