

SODIUM HYPOCHLORITE

Chemical Name: Molecular formula: NaOCl
No. CAS: 7681-52-9

General Description:

Sodium hypochlorite (NaOCl) is a solution made from reacting chlorine with a sodium hydroxide solution.

Sodium hypochlorite has a variety of uses and is an excellent disinfectant/antimicrobial agent.

CHARACTERISTICS

PHYSICAL

Appearance at 20 °CClear Liquid.
Colouryellow-greenish.
Density1.21 gr. / cm³
Boiling Point (range)48-76 °C with decomposition in sodium chlorate and chloride.
Relative Molecular Weight 74.44

CHEMICAL SPECIFICATIONS

Active Chlorine (Cl).....min. 13%.
Chlorides (Cl)..... max. 1.5%.
Free Sodium Hydroxide0.7 - 2%.
Sodium Carbonate..... max. 2%.

Major Applications:

- as bleaching agent in textile, paper and pulp industries;
- as oxidizing agent in chemical industry;
- water treatment;

- as disinfectant agent in housekeeping;
- textile industry for production of viscose fiber and silk;
- power industry, etc.