SODIUM HYPOCHLORITE (AQUEOUS SOLUTION)

CHEMICAL NAME

Sodium hypochlorite

CAS NUMBER

7681-52-9

TECHNICAL REQUIREMENTS

Appearance…….transparent liquid, slightly yellow

Active chlorine, g/l…….....min. 150

PN-EN 901/ LA/2118*

NaOH+Na2CO3 as NaOH**, g/l……..max. 20

BN-87/6016-53

Iron**, g/l…….....max. 0,05

LA/2071* / ICP

* The method is available upon request

** Guaranteed value

GENERAL DATA

Molar mass .....74,42 g/mole

Solubility in water .....unlimited

Other solvents .....alkali

Density (20 °C) .....1,2 g/ml

Odour .....characteristic, suffocating

Freezing point .....below -20 °C

Decomposition point .....at 25 °C oxygen is liberated
at 35 °C chlorine is liberated

APPLICATION

Sodium hypochlorite has a very strong biocidal effect. It's main application is the disinfection of swimming pools, disinfection of water intakes and its treatment for consumption. Due to its oxidizing properties, the product is used in the chemical industry as an oxidizer of organic products in the chemical synthesis process, production of intermediates used in the pharmaceutical industry. In everyday life we found it in the form of commercially available textiles bleach. Sodium hypochlorite in combination with NaOH forms a strongly disinfectant and corrosive compound antifungal, which is used in dentifrice dental flushing. At a concentration of 70% it is used as antiseptic liquid.

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