

SODIUM HYPOCHLORITE

Last revision 2011

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

General Description:

Sodium hypochlorite is obtained by passing chlorine through a solution of sodium hydroxide. Aqueous solution is a clear, pale yellow or greenish, with a specific odor of chlorine.

Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Appearance	-	clear liquid	visual
Color	-	yellow-greenish	visual
Active chlorine (Cl), min.	%	13	STAS 918
Chlorides (Cl), max.	%	1.5	STAS 918
Free sodium hydroxide.	%	0.7 - 2	STAS 918
Sodium carbonate, max.	%	2	STAS 918

Typical Properties:

Relative molecular weight	74.44
Boiling point (range)	48 – 76 °C, with decomposition in sodium chlorate and chloride
Density, g/cm ³	1.09 for solution 5.25% 1.15 for solution 8.0% 1.21 for solution 12.0%

The specific properties present approximate values and contain general information, without being part of the technical quality conditions.

Main 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.

TECHNICAL SHEET



Packaging and storage:

- Supplier steel tanks lined with rubber or polyvinyl chloride, with a capacity of 50 tones.
- It should be stored in metal reservoirs with anticorrosion inner protection, which are kept by cooling at temperatures of maximum 25°C in dry areas, away from heat and direct sunlight.

Safety Information:

Sodium hypochlorite is an irritating product to skin, eyes and mucous membranes.

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in MSDS and on the product label.

Warning:

Please contact OLTCHIM to see if the document has been revised and for any other additional information related to the product.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.