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SABARÁ



BioE



SABARÁ
QUÍMICOS E INGREDIENTES

THE ONLY MANUFACTURER OF SODIUM CHLORITE IN LATIN AMERICA

SODIUM CHLORITE (NaClO₂)

Sodium Chlorite Solution is a product specially developed for applications that require dosing precision and reliability and is easy to handle and apply. Our plant, located in Santa Bárbara d'Oeste, is a modern industrial unit, fully automated and safe, with first-class facilities and equipment, designed to ensure respect for the environment and able to meet the needs of the **national and international markets.**

Sodium Chlorite 40% MV(31%MM)

Density: Min 1,25 g/cm³
Concentration: Min 375 g/l

Sodium Chlorite 31% MV(25%MM)

Density: Min 1,20 g/cm³
Concentration: Min 288 g/l

Sodium Chlorite 25% MV(23%MM)

Density: Min 1,17 g/cm³
Concentration: Min 241 g/l

Sodium Chlorite 19,5% MV(17%MM)

Density: Min 1,12 g/cm³
Concentration: Min 195 g/l

SODIUM CHLORITE CAN BE USED IN SEVERAL MARKETS:



Sugar and Alcohol: As a precursor for the generation of Chlorine Dioxide in bacterial infection control and total or partial replacement of sulfuric acid in fermentation processes. It decreases contamination increasing the yield of the process. Patent number: PI 0802089-2.



Food: As a precursor for the generation of Chlorine Dioxide used in the post-harvest of fruits and vegetables. It increases the shelf life of foods, favoring the transport process and ensuring that the food arrives at its destination in better consumption conditions.



Personal Hygiene: Used in the formulation of oral hygiene products, such as: antiseptics, tooth whitening products, toothpaste, among others.



Water Treatment: Used in the formulation of oral hygiene products, such as: antiseptics, tooth whitening products, toothpaste, among others.



Leather: Used in the stages of bleaching and surface treatment of the leather, so that it can undergo the final finishing stages.



Textile: Used in the bleaching of the fibers, so that the fabric can undergo the dyeing and final finishing.



Pulp & Paper: As a precursor for generating Chlorine Dioxide, a product that is used in the bleaching stage of the pulp.



Metal-mechanics: Used as a paint stripper in the surface treatment of metals.

PACKAGING

We offer **Sodium Chlorite** in 1,000-liter IBC containers with the following capacities:

Sodium Chlorite 40% M/V (31% M/M) = 1,250 kg of product per IBC

Sodium Chlorite 31% M/V (25% M/M) = 1,250 kg of product per IBC

Sodium Chlorite 25% M/V (23% M/M) = 1,150 kg of product per IBC

Sodium Chlorite 19,5% M/V (17% M/M) = 1,150 kg pf product per IBC.

Also in bulk cargo in tank trucks: truck, trailer, or bi-double.

VADVANTAGES OF USING SODIUM CHLORITE IN THE GENERATION OF CHLORINE DIOXIDE

- Faster biocide action, that is, effective even in a short contact time;
- Microorganisms do not become resistant to the product;
- It does not form trihalomethanes (THMs);
- Environmentally safe, it does not react with organic compounds to form ecotoxic and biocumulative by-products.
- More effective against viruses than chlorine or ozone;
- Excellent odor neutralizer;
- Very effective on algae biofilm.

BETTER RESULT WITH LOW OPERATION COST

- No skilled labor is required;
- 100% Sodium Chlorite soluble, it does not generate residue in the application;
- It is an oxidizer at least three times more powerful than chlorine;
- Low corrosivity, no free chlorine.



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The **Sabará Group**, with more than 65 years of history, is genuinely Brazilian and recognized for its capacity for innovation and adaptation. The Group operates throughout the national territory and has distribution in more than 40 countries around the world. It is specialized in the development of technologies, solutions, and high-performance raw materials for the water treatment, cosmetics, animal nutrition and health, and food and beverage industries.

The sole manufacturer of **Sodium Chlorite in Latin America**, the **Sabará Group** accumulates vast expertise in the generation of **Chlorine Dioxide (Diox)**. With the production of **Sodium Chlorite**, the company serves two of its business units: **BioE**, responsible for the sectors of sugar and ethanol, beverage industry, leather, textile, pulp and paper, energy market, among others; and **Sabará Químicos e Ingredientes**, active in the segment of potable and industrial water treatment.



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