CLORIOUS2 UNLOCKS THE POWER AND VERSATILITY OF CHLORINE DIOXIDE.

By making chlorine dioxide available in a transportable, ready-to-use form, Brenntag is able to cover a wide range of industries and aid the development of new applications that require disinfection and oxidation solutions. Clorius2 overcomes the limitations and drawbacks associated with conventional chlorine dioxide generation techniques, enabling a wider public to benefit from chlorine dioxide chemistry.

Because of its unique properties and benefits, chlorine dioxide is the disinfectant of choice for the 21st century. Current chlorine dioxide production methods entail the use of generators.

The required capital investment and safety concerns have been prohibitive to the full scale usage of chlorine dioxide, especially in smaller applications.

Many users want to reap the benefits of chlorine dioxide in their process without purchasing a generator or manual mixing of chemicals.

CLORIOUS2 IN BRIEF

- Transportable, ready-to-use chlorine dioxide solution
- No on-site chemical mixing, no generator, no activation period
- Highly concentrated, pure chlorine dioxide in solution
- Long-term stability
- Safe to use
- Easy to apply with chemical dosing pump
- Patented technology
- Produced, distributed and marketed by Brenntag
Biofilm contamination and fouling occur in nearly every industrial water-based process, including water treatment and distribution, food processing, pulp and paper manufacturing and the operation of cooling towers. Biofouling, biocorrosion, equipment damage and product contamination are consistent and expensive problems in the industry which potentially result in huge economic losses. Chlorine dioxide is considered the best available technology for biofilm removal and its continual management. With Clorious2, Brenntag offers an easy and safe solution that stops our customers from ever having to worry about biofilm in their processes completely.

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Clorious2 comes in various products and grades, aimed at fulfilling the disinfection and oxidation needs in specific applications.

Clorious2 Air
As a selective oxidising agent, Clorious2 Air can be used to control odour in sewer systems, process water and air scrubbers. Through the oxidation of sulfur compounds, Clorious2 Air is effective for permanent H\textsubscript{2}S reduction in the water and gas phase, as it reacts significantly faster and more completely with sulfur compounds than traditional oxidising agents.

Clorious2 Guard
A powerful disinfectant, oxidising agent and slimicide ready to tackle your biggest challenges in industrial cooling and process water treatment. Clorious2 Guard is ideally suited to control and remove biofilm in open and closed cycle cooling systems and re-cooling units, air washers and evaporative condensers. It prevents the regrowth of biofilm thereby depriving microorganisms (legionella in particular) and algae of their nutrient media.

Clorious2 Fresh
Green disinfectant and cleaning in place (CIP) for excellent microbial control in food and beverage processing, packaging and filling operations. Effectively removes biofilm from water distribution systems, transfer lines, tanks, conveyors, blenders, etc. Clorious2 Fresh is the best choice for the highest standards of hygiene and safety, without corrosion to your processing equipment.

Clorious2 Care
Fast acting disinfectant and oxidising agent for the treatment of water intended for human and animal consumption. Ideal for small water works, booster disinfection or THM control. Also suitable for food contact process, flume and rinse water or legionella control in hotels, hospitals and other buildings. Because of Clorious2 Care’s high purity, the compliance of chloride and chlorate will not be compromised.

Clorious2 Clean
Versatile chlorine dioxide solution for a wide variety of general disinfection applications. Clorious2 Clean can also be used for the treatment of municipal or industrial wastewater to ensure compliance with effluent discharge regulations or in cases where the effluent is reclaimed for re-use applications in e.g. irrigation or agriculture.

Clorious2 Products
The Clorious2 products come in returnable, ADR approved drums of 30 kg and 196 kg and can be safely dispensed using a dedicated withdrawal system.
ABOUT BRENNTAG
WATER TREATMENT

WATER IS LIFE –
THAT'S WHY WE CARE

Brenntag Water Treatment is a leading European sales and marketing channel offering the broadest product range together with pro-active, customer oriented expertise. Treating water can involve complex and critical decisions. Brenntag Water Treatment provides the highest quality chemicals and services and is committed to meeting customers’ varying challenges and simplifying the product and packaging mix. Brenntag Water Treatment employs specialists in each geographic region who are experts in the skills required to ensure safe water. These experts work with customers, suppliers and regulatory and legislative authorities to ensure timely exchanges of necessary information. One of Brenntag Water Treatment’s key values is open and transparent collaboration with customers and suppliers. Experienced and dedicated water treatment experts apply knowledge from Brenntag’s worldwide relationships to meet local customer needs. Brenntag Water Treatment provides dedicated logistics solutions for the particular needs of water treatment customers, assuring traceability, quality and regulatory compliance.