



Potable water is, by definition, aimed to be human consumed. Strongly regulated, its quality must make it pleasant to drink and, as a first priority, unable to make an attack to health.

To guarantee its safety, ARCH WATER PRODUCTS developed a complete range of disinfection solutions based on calcium hypochlorite formulations: CONSTANT CHLOR®.

### CONSTANT CHLOR® IS GROUPING ARCH WATER PRODUCTS' SKILLS AND EXPERTISE IN:


- Chemical products formulation and manufacturing
- Logistic and freight
- Design, fabrication and commissioning of preparation units, dosing and regulation systems
- Operator training
- Technical assistance and services

After a site survey, our integrated technical engineering are able to determine which calcium hypochlorite form and which feeding technology best provides the most pertinent solution to meet your needs. This exhaustive survey takes into account:

- Anticipated chemical consumption
- Logistics specifications
- Disinfection efficiency
- Manpower required for maintenance
- Operator safety
- Regulatory compliance

#### SOLID PRODUCT:

- No spill or leakage risks (contrary to gas or liquid),
- Minimum requirements for storage (no bund requirement, no specific vented cabinet)
- Longer shelf life
- Minimized carbon footprint



CONSTANT CHLOR® solutions are a sustainable alternative to classical treatment methods (as chlorine gas, bleach (sodium hypochlorite), chlorine dioxide, ...)

### ON-DEMAND AND ON-SITE CHLORINE SOLUTION PRODUCTION, USING FEEDERS WITH HIGHLY CONCENTRATED PRODUCT (68% IN AVAILABLE CHLORINE)

- Less logistic constraints (transport & storage)
- No storage of dangerous products
- No returnable packages

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As inventor 80 years ago and 1 worldwide producer of calcium hypochlorite, ARCH WATER PRODUCTS is selling CONSTANT CHLOR® solutions for water disinfection in numerous countries and for many applications:

### Pre-treatment:

- Oxidation of organic matter
- Dissolved iron and manganese treatment
- Primary chlorination after ground water pumping and into storage tanks

### Re-chlorination:

- In distribution networks en route to the consumer
- In boosting stations to ensure a chlorine residual as required in many countries

### Emergency chlorination:

- Over-chlorination in case of floods to protect resources
- Dedicated units and chemicals for Non-Governmental Organizations
- Drinking water production for mobile and static military personnel globally

### Furthermore, CONSTANT CHLOR® Solutions are suitable for applications in waste water treatment :

- BOD reduction of effluents
- Disinfection of sewage networks
- Filamentous bacteria control
- Degradation gas treatment (H<sub>2</sub>S, mercaptans, ...)

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### REGULATORY COMPLIANCE AND ENVIRONMENTAL COMMITMENT

Environment, Safety and Health are in the center of ARCH WATER PRODUCTS' priorities all along our industrial and commercial activities. Widely involved into European regulatory evolution, as the Biocide Directive or the REACH process, our company produces and sales chemicals with the lightest impact on people and on Environment. Our Commitment "Responsible Care" allows ARCH WATER PRODUCTS' employees to become actors of a sustainable progress. Reducing, on a permanent process, our ecological footprint as well as our customers' and partners' ones is for us the main goal.

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**ARCH**  
Solutions in water treatment

