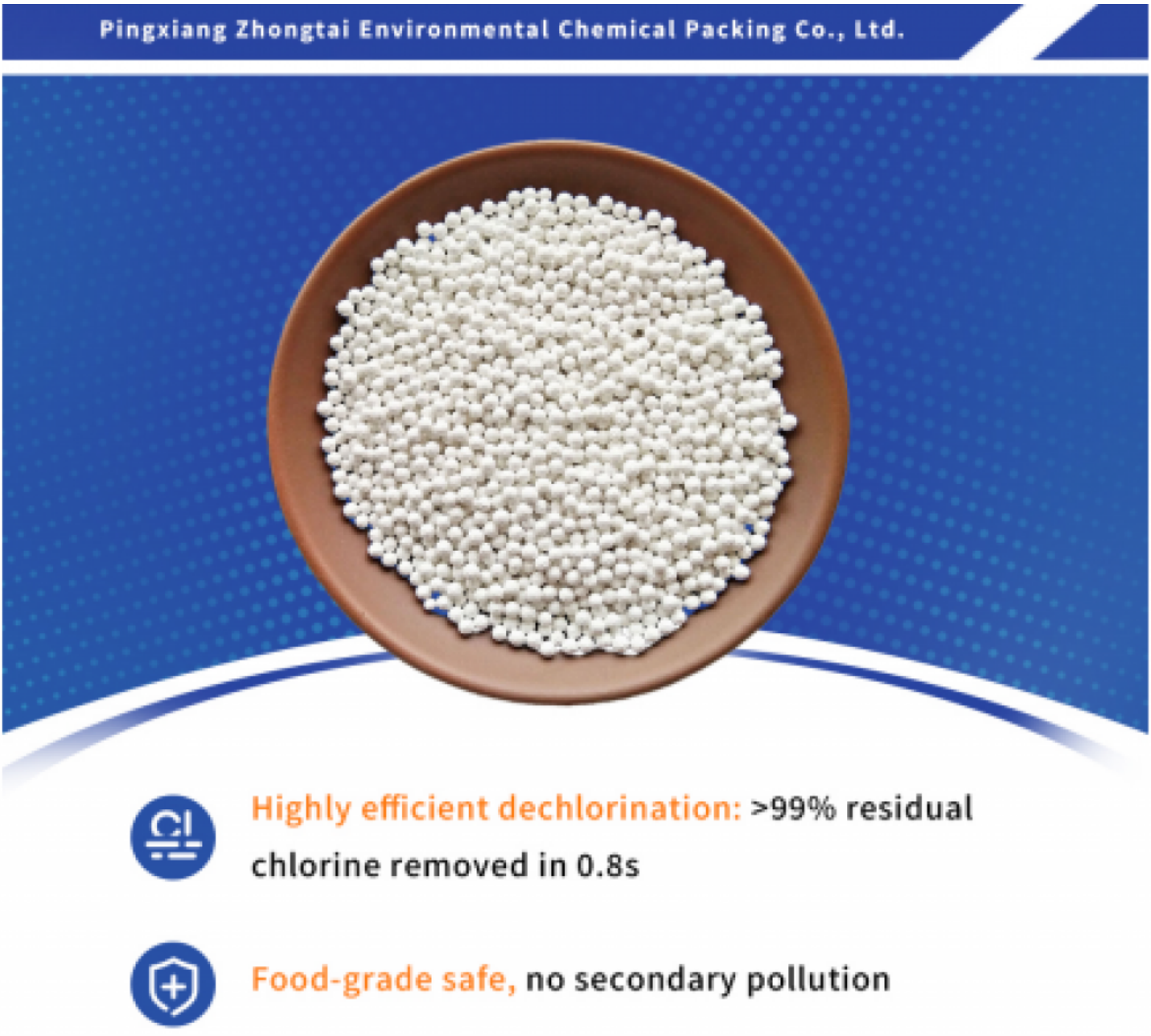
Zhongtai Introduces High-Efficiency Dechlorination Ceramic Balls for Water Quality Enhancement



Pingxiang, Jiangxi Apr 2, 2026 (Issuewire.com**)** - As a core functional material in water treatment, dechlorination ceramic balls have become essential in various purification systems due to their high chlorine removal efficiency and environmental benefits. In the context of ongoing advancements in water treatment materials, Pingxiang Zhongtai Environmental Chemical Packing Co., Ltd. has continued to refine product formulations and manufacturing processes to align with evolving industry requirements. After years of formula refinement and process innovation, high-efficiency dechlorination ceramic balls have been developed, significantly outperforming traditional products in both efficiency and service life. They have gained widespread recognition from users worldwide.

Core Advantages: Efficient, Safe, and Durable
High-efficiency dechlorination ceramic balls feature a unique porous structure and high-purity functional composite materials. Their internal porous channels increase the contact area with water and extend contact time, promoting a complete reaction with chlorine compounds. The dechlorination agents are formulated to rapidly react with both free chlorine (Cl_2) and combined chlorine (e.g., chloramine), converting them into harmless chloride ions (Cl^-) without producing secondary pollutants.

Exceptional Dechlorination Efficiency:
For tap water with residual chlorine ≤1.5 mg/L, the dechlorination rate exceeds 99%, and the unit volume treatment capacity is 30% higher than that of conventional dechlorination balls.

Safety and Non-Toxicity:
Free from heavy metal ions and harmful additives, the treated water meets national drinking water standards, making it suitable for households, schools, and other settings with strict safety requirements.

Extended Service Life
A specialized sintering process enhances material stability, supporting an effective service life of 6–12 months under normal conditions, reducing replacement frequency and overall costs.

In addition, industry practitioners note that continuous improvements in ceramic carrier materials and sintering technologies have contributed to more stable performance in varying water conditions. According to technical personnel from Pingxiang Zhongtai Environmental Chemical Packing Co., Ltd., “ongoing process optimization remains an important factor in maintaining consistent dechlorination efficiency across different application environments.”

Typical Applications: Serving Multiple Fields
With superior performance, these ceramic balls are widely used in various dechlorination scenarios, addressing practical water quality challenges.

Household and Commercial Drinking Water Purification
They serve as the core filtering medium in household RO purifiers, ultrafiltration systems, and commercial water dispensers. They effectively remove residual chlorine, eliminate chlorine odor, and improve the taste of drinking water.

Aquatic Ecosystem Maintenance
Used in filtration systems for fish tanks, aquariums, and aquaculture, these ceramic balls neutralize residual chlorine in tap water within 5–10 minutes, providing a safe environment for fish and plants while reducing mortality rates.

Personal Care Water Treatment
They are also used in shower filters and beauty equipment water systems to remove chlorine from bathing water, preventing skin and hair damage, reducing dryness and itching, and maintaining hair softness.

Industrial Auxiliary Water Treatment
In pre-treatment processes for industrial circulating water, textile dyeing, and food processing, they remove chlorine to prevent equipment corrosion and ensure product quality stability.

These application scenarios reflect the broader trend of integrating functional ceramic media into both small-scale and industrial water systems, where reliability and material safety are increasingly

emphasized.

Supply Information: Multiple Specifications Available
Dechlorination ceramic balls are offered in various materials and specifications to meet different customer needs. Alumina-based composite ceramic balls are available in sizes such as Φ3×3 mm, Φ5×5 mm, Φ8×8 mm, and Φ10×10 mm, and are commonly used in household water purifiers and aquarium filtration systems. Silica-alumina composite ceramic balls are offered in Φ10×10 mm, Φ15×15 mm, and Φ20×20 mm specifications, typically applied in commercial and industrial water treatment systems.

The availability of multiple specifications allows system designers and operators to select appropriate configurations based on flow rate, contact time, and system design requirements.

As global attention to water quality and safety continues to grow, materials such as dechlorination ceramic balls are expected to remain an important component in water treatment solutions. Manufacturers including Pingxiang Zhongtai Environmental Chemical Packing Co., Ltd. are engaged in ongoing research and production efforts to support diverse application needs while maintaining consistent material performance.

For additional product information and technical details, reference can be made to the official website: https://www.ztaipacking.com/

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