

# NEW APPROACH TO BIO-SECURITY





## INTRODUCING AQUA ARMOR

# A REVOLUTIONARY, ONE-STOP SOLUTION FOR WATER MANAGEMENT IN AQUACULTURE

### ABOUT US:

Grasim Industries Limited - Chemical Division is part of the Aditya Birla Group, which is a US \$ 48.3 billion corporation. We are among the largest producer of Chlor-Alkali products globally, catering to vast array of applications with our premium range of Specialty chemicals. We offer Products & Technical services for superior performance in Water treatment applications like Municipal drinking water, Sewage wastewater, ETP, Sludge-free clarification of pools, and pre-treatment / process treatment for various industries.

Aqua Armor range of products & services focus on enhancing the Bio-security needs of shrimp and fish, thus ensuring sustainable growth for the Aquaculture farmer community.

India ranks 3rd in Fisheries, and 2nd in Aquaculture. Over 2 lakh hectares are utilized in Shrimp farming and around 6 lakh MT of Shrimps is produced every year in India.

Some of the important stages in Shrimp farming involve site selection, pond construction, good seed & feeding management, and finally harvesting. The most critical step in this process is Water quality management which is also referred to as Bio - Security. Maintaining optimum water quality parameters requires the right expertise and know-how. Water quality can be easily addressed at the time of pond water preparation, by adopting the right technique for water clarification & disinfection.

At Grasim, we offer a complete solution that focuses on optimizing the product usage as per the Aquaculture needs and by providing technical support to the farmer community. This helps the farmers in achieving their goal of ensuring bio-security for their produce.

### CERTIFICATIONS:



Certified to NSF / ANSI 60



### R&D, WATER LAB FACILITY, TECHNICAL SERVICES:

Our DSIR recognised R&D facilities and state-of-the-art Water application centre are focused on providing customised solutions for Coagulation, Clarification and Disinfection of water.



Filed **4** patents



**DSIR Recognition**  
in March 2017



Collaboration with  
**National Institutes**  
like DST, NEERI, NCL,  
CIFE, MNIT



**Technical Support**  
starting from lab trial to  
plant scale application  
and post sale support

## APPLICATIONS:



### CLARIFICATION

To reduce turbidity in pond water, settle impurities and suspended solids, reduce toxicity of water.



### DISINFECTION

This step is important to effectively destroy the bacteria, fungi and virus before the shrimps seeding process.



### TECHNICAL SUPPORT

On site trails, product related expert guidance and training is provided. Farmers get consultations from Aquaculture experts.



### DIGITAL INITIATIVES

Mobile application "Ask Aqua Armor" launched to connect the farmer community directly to Aqua experts and provide them with real time Tidal data, Shrimp prices and Industry trends.



## AQUA ARMOR C-100

This is a strong clarifying agent available in powder form, which effectively reduces turbidity, toxicity and improves the water quality. It can be used in relatively small quantity thus reducing the cost of water management.

**PACKING: 25 KGS, POWDER**



## AQUA ARMOR D+

This super fine grade is specially formulated for use in Aquaculture ponds. It leaves less sludge residue due to extra fineness of the product. It also offers better solubility which makes it easy to use, with fast and lasting disinfection.

**PACKING: 25 KGS, POWDER**

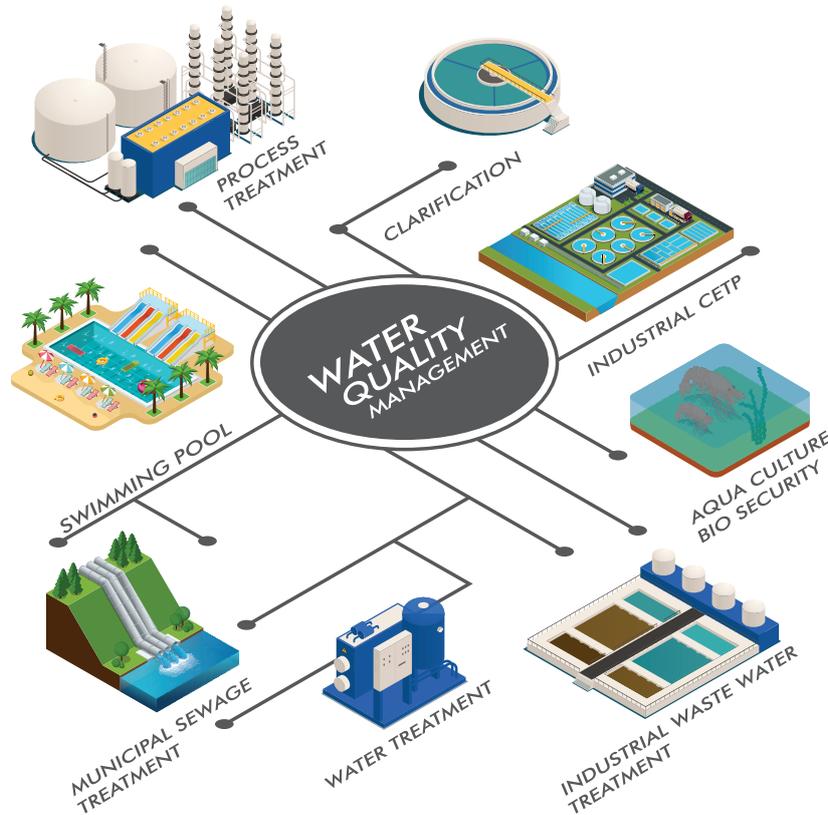


## AQUA ARMOR HSD PRIME

This is a powerful disinfectant used in hatcheries and shrimp farming for removal of microorganisms in water & wastewater. It is a strong oxidizing agent, has high degree of solubility in water and leaves no residual sludge. Due to its high Chlorine content of min. 65%, relatively small amount of the product can effectively disinfect the water.

**PACKING: 45 KGS, SOLID GRANULES**

# YOUR TRUSTED PARTNER IN TOTAL WATER QUALITY MANAGEMENT



Manufactured & Marketed by:



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