Sannitree Aqua-X
Biological Cleaner for Fish & Prawn Farms

Aqua-X is designed to break down dead algae, fish excretes, excess feeds, bottom sediments and slimes in culture ponds, as well as build and maintain a healthy ecological environment in larger bodies of water as in aqua-culture. Each gram contains approximately 10 billion selected microbes and multiple hydrolytic enzymes, which occur naturally and are completely environmentally safe. It has a major advantage over previously produced products in that it is complimentary to the decomposition of organic waste without any of the undesirable side effects.

It is primarily used in prawn farming, eel and fish cultivation.

Benefits

✓ Keeps pond water clear
✓ Promotes growth and increases survival rate of fish, prawns or eels
✓ Eliminates foul odours
✓ Eliminates ammonia, nitrite, malodours and toxic hydrogen
✓ No undesirable side effects
✓ Dry powder formulation is easier to handle and has a longer shelf life

Functions

❑ Perfect for fish farms that farm fish, prawns or eels.
❑ Reduces gasses (carbon monoxide, hydrogen sulphide etc) uses up energy sources to increase Bacterial Biomass
❑ To the Aqua Culturist this means an increase in decomposition rate, reduced gasses resulting in more effective utilisation of capital resource and a healthy, cleaner environment.
❑ Decomposing cycle converts Ammonia nitrates and nitrites, leading to atmospheric nitrogen.
❑ Reduces gasses (carbon monoxide, hydrogen sulphide) and uses up energy sources to increase bacterial biomass.

Technical information

Fine granules that are dissolvable in water. Highly concentrated but safe for human skin contact.

Contains:
Enzymes: Lipase, protease, amylase, hermicellulase and lactase
Microbes: Bacillus subtilis, cellulomonas, nitrosomonas, nitrobacter and aerobacter
pH stabilisers
pH factor: 5 – 9,3
Temperature range: 20-35°C
Inactivated by: Heavy metals, cyanide, fluorides, phenols
**Application Conditions**

The active ingredients in Aqua-X are dissolvable in water. Aqua-X can be used in fresh water, brackish water and salt water. 
Aerobic conditions: **Power aeration is recommended**

**Dosage**

1. Prawns cultivation:
   a. For high density ponds (>50 prawns or more per m²): 500g / 100,000 litres water every 2 weeks.
   b. For medium density ponds (20-50 prawns per m²): 1,5 kg / per 1000 tons of water every 2 weeks.
2. For fish cultivation: 1.5 – 3 kg / 1000 tons of water every two weeks.
3. For eel cultivation: 1.5 kg / 1000 tons water every 2 weeks.

**Toxicological information**

- Generally Recognised As Safe (GRAS) by the USFDA
- Non-toxic, non-pathogenic, safe to humans, animals and plants.
- Toxicity: Acute Oral (rats) : <10,000mg/kg
- Free from salmonella and aflatoxins (B1, B2, G1 and G2)

**Storage /Shelf life**

One year under cool dry conditions.

**Packaging**

- 25 kg bulk cartons.
- 4kg Plastic containers with “scoop”.

Sannitree reserve the right to adapt and improve formulations at their own discretion.
MATERIAL SAFETY DATA SHEET
Aqua-C Granules
Harmonised Tariff NO 3507909

1. IDENTIFICATION OF SUBSTANCE
Product Details: Enzyme Formulation
Product Code: ACPKG
Trade Name: Aqua-C
Informing Department: Product quality assurance

2. COMPOSITION/DATA
Chemical Characterisation: Microbial enzymes powder

3. HAZARDS IDENTIFICATION
Hazard Designation: None
Information pertaining to dangers for man and environment:
- AVOID ingestion of powder
- AVOID prolonged skin contact

4. FIRST AID MEASURES
General Information: No special measures required
After Inhalation: N/A
After Skin Contact: Generally not skin irritant, wash thoroughly
After Eye Contact: Rinse thoroughly with water or eye wash
After Ingestion: Consult doctor in case of persistent symptoms

5. FIRE FIGHTING MEASURES
Protective Equipment: No special measures required; product is not flammable

6. ACCIDENTAL RELEASE MEASURES
Person related safety precautions: Not required
Measures for environmental protection: Wash away with water
Measures for cleaning/collecting: Wash with water

7. HANDLING AND STORAGE
Information against fire: No special measures
Storage: No special requirements

8. PERSONAL PROTECTIVE EQUIPMENT
General protective and hygienic measures: Standard
Breathing equipment: No special requirements
Protection of hands: Impervious gloves advisable when handling concentrates
Eye protection: N/A
9. PHYSICAL AND CHEMICAL PROPERTIES
Form: Powder
Colour: yellowish brown powder
Smell: amino odour
Change in condition:
   Melting point/range: Not determined
   Boiling point/range: Not determined
   Flash Point: Not applicable
   Danger of Explosion: Product is not explosive
   Solubility in water: Active components are soluble

10. STABILITY AND REACTIVITY
Thermal decomposition: No decomposition if used according to specification
Dangerous reactions: None known
Dangerous products of decomposition: None known

11. TOXICOLOGY INFORMATION
Acute Toxicity: Not toxic
Primary irritant effect on skin: Possible local irritation after prolonged contact
On the eye: Possible irritation
Sensitization: Sensitization risk minimal
Additional toxicology information: When used and handled according to specification the product does not have any harmful effects according to our experience.

12. ECOLOGICAL INFORMATION
Water Hazard: Not hazardous to water in it’s diluted form. Undiluted product should not enter ground water or water bodies.

13. DISPOSAL CONSIDERATIONS
Recommendations for product
Liquids and solutions: Flush to drain with water

14. TRANSPORT INFORMATION
Classified non-hazardous

15. OTHER INFORMATION
These data are based on present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This data is issued by the company directors to whom enquiries should be addressed.