



Sannitree Aqua-X

Biological Cleaner for Fish & Prawn Farms

Aqua-X is designed to break down dead algae, fish excreted, 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, hemicellulase 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

AQUA-X GRANULES

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 **fix**

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

B1

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

CAS No.: 68038 700/68038 664/68920 423/8049 476/9080 551/9001 734/9012 548

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 its 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.