# Roxycide™ Aquatic

*The Solution for High Performance Aquaculture Production*


## An Activate Oxygen Disinfectant for the Aquaculture Industry

- PATHOGEN CONTROL:
  Roxycide™ is a highly effective disinfectant against viruses, bacteria, fungi and molds.
- BIOSECURITY:
  Roxycide™ is an effective tool in the prevention of disease transmission and management.
- POND ECOLOGY MANAGEMENT:
  Roxycide™ s mode of action donates oxygen to the water while helping to manage organic matter.
- ECO-FRIENDLY：
  Roxycide™ active constituents degrade to inert and safe substances allowing ongoing and extended usage in the presence of aqua species.

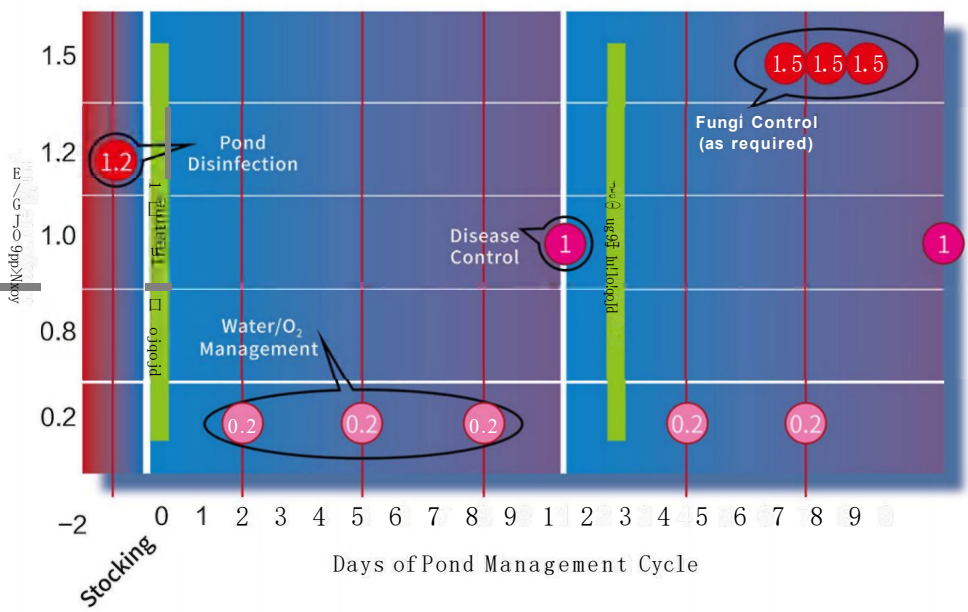
## A Broad Spectrum and Efficacy Disinfectant

Roxycide ™ i s a concentrated disinfectant powder that can bemixed with water ,to form a powerful disinfecting solutio n wit hefficac y against fish viruses , bacteria ,fungi , and molds .

## Roxycide™ Key Benefits

- Application flexibility to address key production stages including pond preparation, ongoing water management and disease outbreaks.
- Increases oxygen levels in water to help sustain maximum production in ponds and maintain a sustainable pond ecology. Highly effective in the presence of organic matter.
- Highly effective in Aquaculture to control and eradicate bacteria, fungi, moulds and all viralfamilies affecting Fish, Shrimp, Crab and other Aquatics.
- Use to prevent bacterial diseases including gill-rot, white spot disease, ascites, enteritis, putrid-skin disease, decayed crusta disease, saprolegniasis.

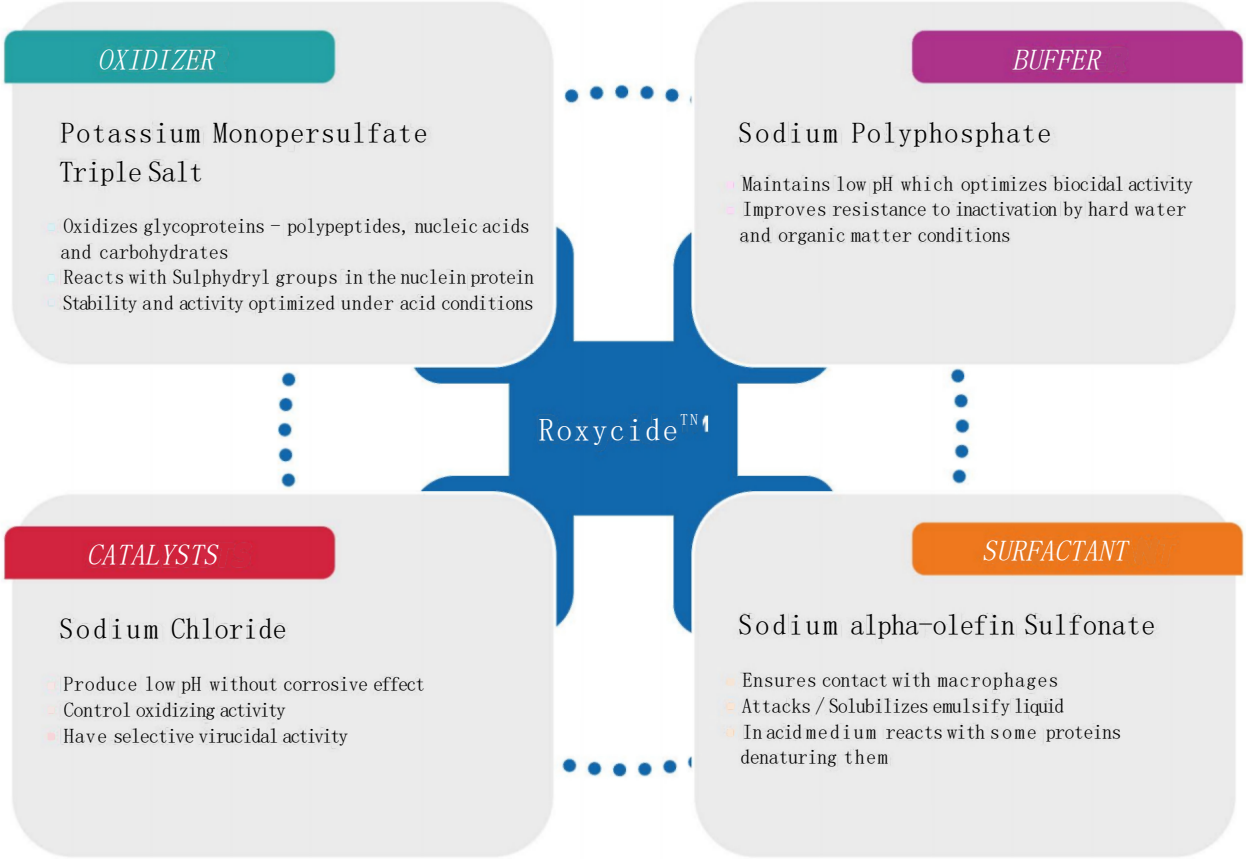
Pond Management Program Options

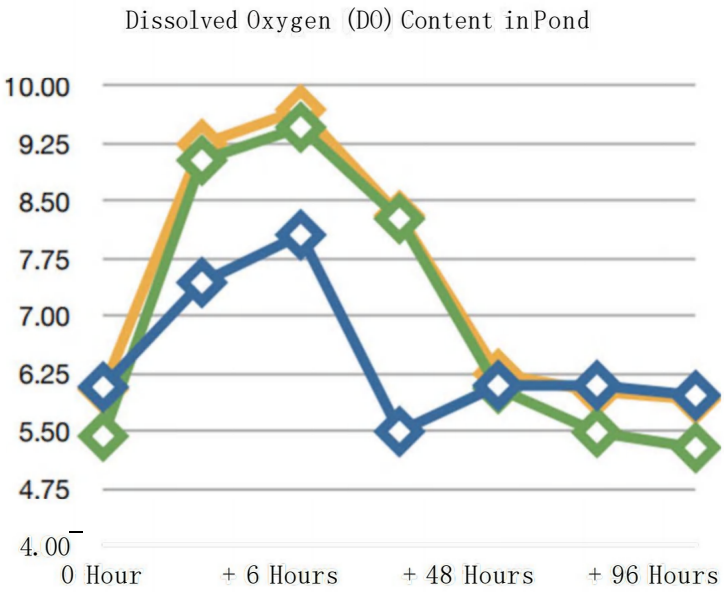



denotes Roxycide 0.2g/m³
denotes Roxycide 1g/m³
denotes Roxycide 1.2g/m³
denotes Roxycide 1.5g/m³

RoxycideTM can be used according to the chart at different rates and days within the pond management cycle. It is best alternates with a probiotic program to maximize the benefits on disease management, water oxygen levels and organic matter content.

# Synergistic Components Increase Disinfection Activity




Pond Treatment: 0.25g/m$^3$

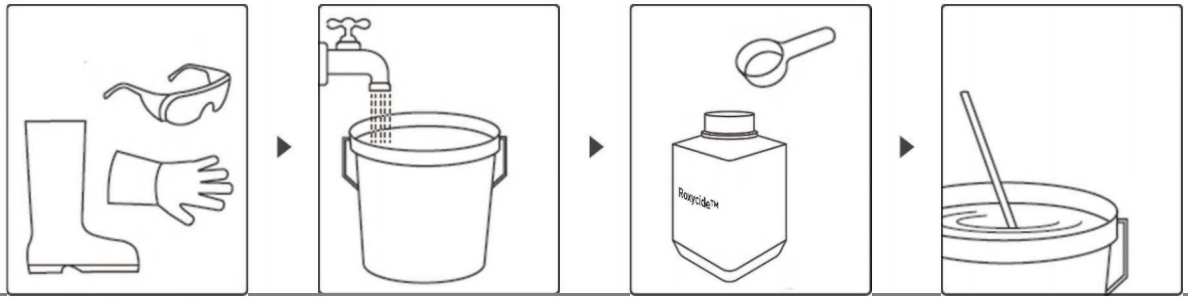
**Trial conducted by Test Center of Veterinary Drug for Aquaculture, Scientific Institute of Agriculture, Sichuan Province (2005)**

The results show that this potassium monopersulfate compound has the function of increasing oxygen in pond water, the dissolved Oxygen levels increased to higher concentrations that the control Pond.

Therefore, a regular application of Roxycide™ followed by repopulation of the pond's probiotic bacteria provides an excellent management tool to help manage four components of aquaculture production; Disease, water Ammonia and Oxygen content and pollution control. Most use the rotation on a weekly basis in intensive or high risk periods.

## Application Strategy

How to make ready-to-use disinfectant solution?




1. Personal protective equipment required

2-Pour Water

3. Add Roxycide™

4. Stir thoroughly until fully dissolved, then use

## Roxycide™ Usage Instructions

- Do not attempt to pour Roxycide™ Powder directly into aqua ponds.
- Calculate the volume of water in the pond in cubic meters ($m^3$).
- Select the desired application and dosage required from the table above. Calculate dosage depending on volume of water in the pond.
- Always make a base/stock solution by dissolving required quantity of Roxycide™ powder into fresh, air temperature water at a ratio of 1:100 for best results (example: 1 kg Roxycide™ to 100 litres water).
- Use a clean container of sufficient size (example 200 litre drums or 1000 litre IBCs)
- To make the base/stock solution, mix required amount of Roxycide™ powder into water while stirring or agitating to help fully dissolve Roxycide™ in the base solution water.
- Evenly distribute the base solution to the pond, ideally where there is water movement or aeration paddles to aid in dispersal.
- Clean and disinfect containers and equipment after using.
- Storage of stock solution: 5-7days.

## Roxycide™ Application and Dosage Instruction

| Applications | Treatment Periods | Roxycide™ powder/pond (gram/$m^3$) |
|---|---|---|
| Disinfection before stocking | 1-2 days prior to stocking | 1.2g/$m^3$ |
| Disease prevention in stocked ponds | Once every 10 days | 0.8-1.0g/$m^3$ |
| Disease outbreaks | Once every 3days then repeated every 3 days | 0.8-1.2g/$m^3$ |
| Treatment of fungi buildup | Once a day and repeated for 3 days | 1.5g/$m^3$ |
| Water purification | Once every 3 days | 0.2-0.3g/$m^3$ |

| Roxycide™ Application and Dosage rates for Equipment and Bio-Security | | | |
|---|---|---|---|
| Objects | Dilution | Coverage | Tips |
| Equipment disinfection Foot dips, Walls, Roofs, floors, Tanks and other equipment including Hatchery, Nursery, Nets, Tanks, aeration machines and paddles | 1:100 | 300ml/$m^2$ | Change foot dips every 3 to k days |
| Barrier Control: Boats and Vehicles including feed trucks | 1:200 | 300ml/$m^2$ | |

CIROSUN Chengdu Rosun Disinfection Pharmaceutical Co., Ltd.

**Add.** No.139 East Fifth Road of Auto Center,Eco.&Tech. Development Zone of Chengdu City.China.
**Tel.** **+86 28 65988030**
**Website** www.rosun.com.cn / rosun.en.alibaba.com
**Email** intl-market@rosun.com.cn