



# ALGYCIN

## *Strong polymeric algaecide for industrial recirculating water systems*

Algal growth is a common problem in recirculating water systems such as cooling towers, spray ponds, clarifiers, and water storage tanks. Uncontrolled algae can cause operational issues including biofouling, reduced heat transfer efficiency, blockage of pipelines, and deterioration of water quality. Effective control of algae is therefore essential to maintain system efficiency, prevent operational downtime, and ensure smooth functioning of industrial water treatment systems.

Algycin is a powerful polymeric formulation designed to control a wide range of algae in industrial water systems. The product contains a synergistic blend of key components that effectively target and eliminate different species of algae commonly encountered in industrial processes. It provides rapid and broad-spectrum algae control while remaining compatible with commonly used disinfectants and biocides.

### **Mode of Action**

Algycin controls algae growth by interfering with essential biological processes within algal cells.

- It interrupts the **photosynthetic electron transport chain**, preventing algae from producing energy required for growth.
- It inhibits the **synthesis of new cell proteins**, which are essential for cell survival and reproduction.
- By blocking these critical metabolic pathways, the product effectively arrests algae cell division and leads to the elimination of existing algal growth.

### **Product Key Benefits**

- Fast-acting and broad-spectrum algaecide
- Controls planktonic algae, filamentous algae, string algae, and blue-green algae
- Prevents algae outbreaks when used regularly
- Penetrates and eliminates deeply rooted algal growth
- Compatible with chlorine, bromine, ozone, and other biocides/disinfectants
- Improves operational efficiency of water systems by preventing biofouling and blockage
- Reduction in frequency of shutdowns required for CIP

## Product Application

The product is effective for controlling general algae in various operations such as spray ponds, waste-water plants, holding tanks, industrial cooling towers, clarifiers etc.

## Operational Conditions

- Effective pH Range: **5 – 9**
- Effective Temperature Range: **20 – 40°C**

## Dosage

- Initial Dosage: 10 – 15 ppm for 10 – 15 days
- Maintenance Dosage: 4 – 6 ppm for continued control

## Product Characteristics

- Product form: Viscous liquid
- Odor: Pungent
- Shelf Life: **More than 12 months** when stored below **35°C**

## Product Packaging

- Available in **25 kg and 50 kg HDPE containers**
- Packaging may be modified based on customer requirements

## Product Storage

- Store below **35°C** in a **dry and covered area** in tightly closed containers.
- Keep the product away from **water, moist air, and steam.**

## Product Handling

- Use appropriate **personal protective equipment (PPE)** such as gloves, masks, and goggles while handling the product.
- Avoid contact with **eyes, skin, and clothing.**
- In case of contact, wash thoroughly with **soap and water.**
- Avoid ingestion and inhalation of the product.
- Keep the container tightly closed when not in use.
- Refer to the **MSDS supplied with the product** for detailed safety instructions.



ISO 9001:2015 Certified | FSC 22000 Certified

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Certifications:

