

GAMACIDE 1831

INDUSTRIAL RECIRCULATING COOLING TOWER WATER MICROBIOCIDES

GENERAL DESCRIPTION:

Gamlen Gamacide 1831 is a pentachlorophenate based solution designed to control the growth of algae and formation of fungal slime commonly found in recirculating water cooling towers.

ADVANTAGES:

1. Compatible with most cooling water treatment chemicals -- doesn't interfere with scale and corrosion control treatments.
2. Easily fed -- requires no special feeding equipment, being a liquid it can be drip or shot fed.
3. Economical -- is very effective in low concentrations.
4. Maintains its algicidal effect when used as directed.
5. Non-corrosive to metals in the cooling tower system.

APPLICATION:

Because of the variations of recirculating water cooling tower systems, the dosage frequency required to inhibit growths must be determined for each installation.

Gamacide 1831 must be applied at a point in the system where the product will be uniformly mixed. Begin treatment when the system is in jeopardy of being affected or after cleaning systems whose efficiency is already impaired.

Intermittant or Slug Method

Initial Dose: When the system is noticeably fouled apply 18 to 36 fluid ounces of Gamacide 1831 per 1000 gallons of water in the system (160 to 320 ppm.). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 13 to 26 fluid ounces of Gamacide 1831 per 1000 gallons (120 to 240 ppm) of water in the system every 3 to 4 days or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

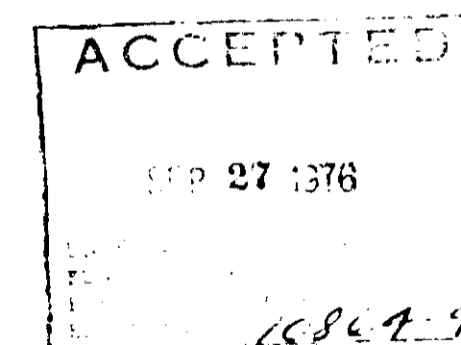
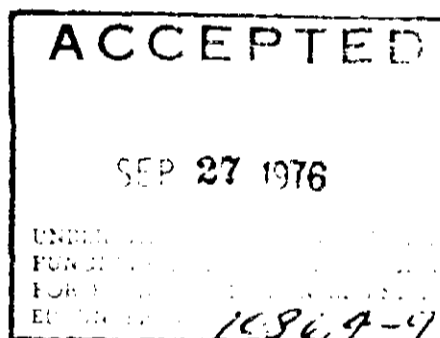
Initial Dose: When the system is just noticeably fouled apply 18 to 36 fluid ounces of Gamacide 1831 per 1000 gallons of water in the system (160 to 320 ppm).

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 9 to 18 fluid ounce of Gamacide 1831 per 1000 gallons of water (80 to 160 ppm) lost by blowdown.

Badly fouled systems must be cleaned before treatment is begun.

CONTROL:

Treatment efficiency is determined by routine visual inspections.



The information contained in this bulletin is the best of our knowledge and belief, but since the circumstances and conditions to which the system are subjected are beyond our control, we cannot assume any liability for damage that may result from the use of Gamacide 1831. Gamacide 1831 is a registered trademark of Sybron Corporation.

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SYBRON CORPORATION

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### PHYSICAL PROPERTIES:

Appearance - Clear, dark amber solution      pH - 10.9

Density - 1.15 (9.60#/gallon)      Flash Point - 160°F

Fire Point - 190°F.      Freezing Temperature - about 30°F.

### STORAGE:

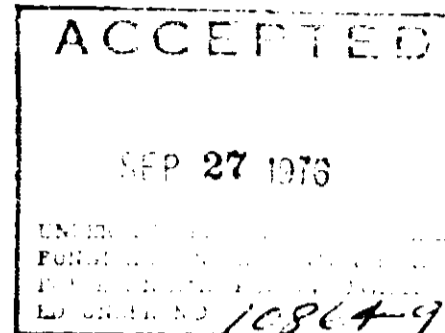
Gamacide 1831 is stable at room temperature. Some crystallization may take place when stored at temperatures below 30°F. but warming will return it to original condition without impairing its biocidal properties. The container should be kept closed when not in use. Gamacide 1831 should not be stored near food or food products.

**DANGER:** KEEP OUT OF REACH OF CHILDREN.

**CORROSIVE:** Causes eye damage. Methanol may cause blindness. May produce severe burns. Do not get in eyes, on skin or on clothing. Protect eyes and skin with goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed, inhaled or absorbed through skin. Vapor harmful. Do not breathe vapor or mist.

**FIRST AID:** In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes, and get medical attention. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse. If swallowed, induce vomiting by sticking finger down the throat or by giving an emetic such as 2 tablespoonsful of salt in a glass of warm water. Call a physician.

**NOTE TO PHYSICIAN:** This product is a metabolic stimulant. Causes hyperthemia. Treat symptomatically.



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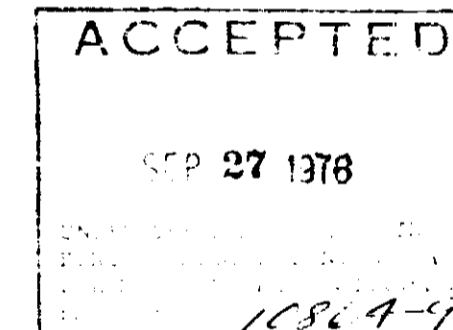
### PACKAGING AND SHIPPING:

Available in 30 and 55 gallon steel drums. FOB Elmwood Park, N.J. Freight classification: Disinfectant, N.O.I. other than medicinal and other than toilet preparations.

### GAMLEN SERVICE:

One of Gamlen's fluid treatment engineers will be pleased to call on you, discuss your requirements and apply Gamlen's broad experience and knowledge to meet your specific needs.

EPA Reg. No. 10864-9



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