

59638-1

08/27/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg Number:
59638-1

Date of Issuance:
August 27, 2002

NOTICE OF PESTICIDE:

Registration
 Reregistration

Term of Issuance: Conditional

Name of Pesticide Product: Formula 4635

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

QualiChem, Inc.
2003 Salem Industrial Drive
P.O. Box 926
Salem, VA. 24153

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to the use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit one copy of the revised final printed label for the record changing the EPA File symbol 59638-R to EPA Registration Number 59638-1.
3. Sign, date and return the enclosed Formulator's Exemption Statement for our files.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

You must submit 2 copies of your finished label to this Office prior to your shipment of this product.

Signature of Approving Official:

Robert Brennis,
Product Manager 32 (PM-32)
Regulatory Management Branch II

Date:

AUG 27 2002

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

DANGER

**CORROSIVE. CAUSES IRREVERSIBLE EYE
DAMAGE AND SKIN BURNS. HARMFUL IF
INHALED. HARMFUL IF SWALLOWED.**

Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewerage treatment plant authority. For guidance contact your State Water Board or Regional Office of the USEPA.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide and rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest USEPA Regional Office for guidance.

CONTAINER DISPOSAL

Do not reuse empty container. Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

DIRECTIONS FOR USE

**It is a violation of Federal Law to use this product
in a manner inconsistent with its labeling.**

**COOLING PONDS, RESERVOIRS AND
DECORATIVE FOUNTAINS**

FORMULA 4635 may be applied at the reservoir, pond, or fountain. Let it sit at a location that permits complete diffusion into the water at maximum retention time before reaching the outlet. Sufficient FORMULA 4635 should be fed to maintain a total bromine level of 4.5 to 9.0 mg/l in all parts of the reservoir or pond. Note that two fluid ounces per 1000 gallons of water yields 2.2 ppm total bromine.

DIRECTIONS FOR USE, Continued on right panel

LABEL DATE: 5/1/02 BATCH NO. _____

QualiChem, Inc.

FORMULA 4635

MICROORGANISM CONTROL CHEMICAL

FORMULA 4635 is an effective agent for controlling algal, bacterial, and fungal slime in condensing and cooling equipment in which recirculating water is used as the cooling medium and in reservoirs or ponds which serve as the source of boiler feedwater or cooling water. FORMULA 4635 can also be used to control bacterial, fungal, and algal slime in decorative fountains, air washers, and food, beverage, and industrial process pasteurizers.

ACTIVE INGREDIENTS

Sodium hypochlorite 6.36%
Sodium bromide 9.14%

INERT INGREDIENTS

84.50%

Total: 100.00%

Total available bromine = approximately 14%

Expressed as chlorine = approximately 6.4%

Degrades with age. Use a test kit and increase dosage as necessary to obtain the required level of available chlorine.

EPA REGISTRATION No. 59638-R
EPA Est. No. 59638-VA-01

FOR INDUSTRIAL AND COMMERCIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

DANGER

**CORROSIVE. CAUSES IRREVERSIBLE EYE
DAMAGE AND SKIN BURNS**

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a Poison Control Center or Doctor for treatment advice.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or Doctor for treatment advice.

IF SWALLOWED: Call a Poison Control Center or Doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or Doctor.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a Poison Control Center or Doctor for further advice.

Note: Have the product label or container with you when calling a Poison Control Center or Doctor.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MANUFACTURED BY:

QualiChem, Inc.
2003 Salem Industrial Dr.
Salem, VA 24153
Phone: (540) 375-6700
Emergency Phone: (800) 255-3924

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**DIRECTIONS FOR USE, continued
INDUSTRIAL & COMMERCIAL RECIRCULATING
COOLING WATER SYSTEMS**

FORMULA 4635 should be applied directly to the cooling water at any section of the system where sufficient mixing will occur. FORMULA 4635 should be applied to the cooling water to provide a total bromine level of 4.5 to 9.0 ppm. FORMULA 4635 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 2.2 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5 to 9.0 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

INDUSTRIAL PASTEURIZERS

Such as food, beverage, and industrial pasteurizers. For control of bacteria and fungi in industrial pasteurizers, add 3.5 to 7.0 ounces of FORMULA 4635 per 1000 gallons of system water to achieve control. To maintain control, add sufficient FORMULA 4635 to maintain 4.5 to 9.0 ppm total bromine throughout the system. Two fluid ounces per 1000 gallons of water yields 2.2 ppm total bromine.

AIR WASHERS

This product may be used only in industrial air washers and air washer systems which have mist eliminating components. For control of microorganisms in industrial air washer systems add sufficient FORMULA 4635 to the air washer sump or chill water to provide a total bromine level of 4.5 to 9.0 ppm. Badly fouled systems must be cleaned before treatment is begun. FORMULA 4635 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5 to 9.0 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

HEAT TRANSFER SYSTEMS

Evaporative condensers, hydrostatic sterilizers and retorts, dairy sweetwater systems, and once through cooling water systems. FORMULA 4635 should be used at the same application rates, and in the same manner, as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

NOTE: The halogen dosages listed in the given applications are expressed as bromine. Since most field test kits for oxidizing halogens report in terms of chlorine, simply multiply the test kit result (given as chlorine) by 2.25 in order to obtain the bromine equivalent as listed in these directions.

SHIPPING INFORMATION

Corrosive liquid, basic, inorganic, NOS
(Sodium Hydroxide)
8, UN3266, PG II
Compounds, water treatment, liquid, N.O.S.
NAERG #154

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