

PM 31

8429-10

10/5



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

8429-10

10/05/95

Term of Issuance:

Conditional

NOTICE OF PESTICIDE:

Registration
 Reregistration

Name of Pesticide Product:

Cairox

Potassium
Permanganate USP
Grade

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Carus Chemical Company
1001 Boyce Memorial Drive
P.O. Box 1500
Ottawa, IL 61350

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to 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 that 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; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes below before you release the product for shipment:

- a. Add the phrase "EPA Reg. No. 8429-10".
- b. Change "Ingredients (by weight)" to "Active Ingredient".
- c. Include your complete EPA Establishment Number on the label.
- d. Use your complete product name throughout the text of your product label.
- e. Add the statement "Limit residues of manganese in the finished potable water to no more than 0.05 ppm."

Signature of Approving Official:

Date:

Marion Johnson, Product Manager 31.
APB, Registration Division

10/5/95

3. Submit two copies of the revised final printed label for the record.

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.

Sincerely yours,



Marion J. Johnson
Product Manager 31
Antimicrobial Program Branch
Registration Division (7505C)

ACCEPTED
with COMMENTS
in EPA Letter Dated:
OCT 5 1995

304

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
8429-10

CAIROX[®]

POTASSIUM PERMANGANATE

USP Grade



CERTIFIED TO
ANSI/NFPA 602

Ingredients (by weight)	
Potassium Permanganate	99%
Inert Ingredients	1%
Total	100%

DANGER

Strong oxidizer! Do not use for fumigation. Do not mix CAIROX[®] Potassium Permanganate with aqueous formaldehyde solution (Formalin). Risk of fire or explosion exists. Contact with acids, organic chemicals, or other combustible materials may cause fire or explosion.

**FOR INDUSTRIAL USE ONLY
MAXIMUM USE LEVEL FOR DRINKING WATER—50 mg/L
KEEP OUT OF THE REACH OF CHILDREN**

BEST AVAILABLE COPY

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Cairox
Potassium Permanganate USP Grade
CAS Reg. No 7722-64-7
Meets AWWA Standard B 603

Storage and Disposal

Keep container closed, away from heat, organic materials, acids and other combustible materials. Protect container against physical damage. Store in cool, dry area in closed containers.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or 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 EPA Regional Office for guidance.

Container Disposal

Triple rinse (or equivalent). Then offer for recycling or containers reconditioning, or puncture and dispose of in a sanitary landfill, (non-aerosol) or by other procedures approved by state and local authorities.

Environmental Hazards

This pesticide is toxic to birds and aquatic invertebrates. Do not use in facilities discharging directly or indirectly to estuarine or marine environments. Do not discharge into lakes, streams, ponds or public waters unless in accordance with the requirements of a National Pollution 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 local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Carus Chemical Company
Division of Carus Corporation
1500 Eighth Street
La Salle, IL 61301

EPA Registration No. 8429-9
EPA Est. Number

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 5 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended by the pesticide
reform act of 1972, the pesticide
registered under EPA Reg. No.

8429-10

Safs

CAIROX® Potassium Permanganate is effective in the control of zebra mussels, biofilm, and other biofoulants such as plankton, algae and microorganisms in raw water intake lines of drinking water and industrial water treatment systems.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 5 1995

DIRECTIONS FOR USE

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the purpose of
registered under EPA Reg. No.

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

8429-10

Add CAIROX® Potassium Permanganate to raw water intake lines as early in the treatment system as possible, taking care to stay below the ANSI/NSF Standard 60 maximum use level of 50 mg/L. Concentrations required for oxidation of contaminants (typically up to 5 mg/L) are sufficient for the control of zebra mussels and other biofoulants. Actual effective doses should be determined using laboratory jar tests. Monitor CAIROX® Potassium Permanganate to maintain a low residual concentration of less than 1 mg/L at the point of entry into the treatment plant.

Precautionary Statements

Hazard to Humans and Domestic Animals

Keep Out Of Reach of Children

DANGER

Corrosive. Causes eye and skin damage. Avoid contact with eyes, skin, mucous membranes. Harmful if swallowed. Prolonged inhalation of manganese compounds above the threshold limit value may cause lung irritation and central nervous system disorders. When handling use safety goggles, rubber gloves, and a respirator. Avoid breathing dust. Do not take internally. Remove contaminated clothing for washing.

Statement of Practical Treatment

Consult a doctor immediately after administering the following treatments:

If Swallowed: Never give anything by mouth to an unconscious or convulsing person. If conscious, give one or two glasses of water.

If In Eyes: Flood eyes with water for at least 15 minutes. In washing the eyes hold the lids open. Do not attempt to use chemical antidotes.

If On Skin: Wash thoroughly with soap and water.

If Inhaled: Remove to fresh air.

See Material Safety Data Sheet for additional health and safety information.

In Case of Fire or Spill

Fire: In case of fire, flood with water.

Spill: In case of spill, scoop into a clean drum. Spilled product must not be returned to original drum. Flush contaminated area with large quantities of water.