

PM-32

Reg # 65402-2

193

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 65402-2	DATE OF ISSUANCE <b>JUN 6 1995</b>
	TERM OF ISSUANCE	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	NAME OF PESTICIDE PRODUCT VigorOx Antimicrobial Agent	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
FMC Corporation Peroxygen Chemicals Division 1735 Market Street Philadelphia, PA 19103		
NOTE: Changes in labeling formula 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 U.S. 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.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this 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) and 3(c)(7)(B) provided that you:		
1. Submit/cite all data required for registration/ reregistration of your product under FIFRA section 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 listed below before you release the product for shipment:		
a. It has been noted that you have already inserted the assigned EPA Registration No. 65401-2 onto the label.		
b. Revise the statement: "This pesticide is toxic to wildlife" to read: "This pesticide is toxic to birds, mammals, fish and aquatic invertebrates."		
c. Note that several sections of the label are blurry and unreadable. Before you print the final label, you are to ensure that legible labels are generated.		
d. Delete the word: Draft Labeling		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		

193

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1

e. Include the heading: Net Contents

f. Include also the ppm levels for the pulp & paper mill systems and the cooling water systems.

g. Include the dilutions in fluid ounces for also the dispersed pigments section and coating preservation sections.

h. Correct the following typographical error (last paragraph-last line-right panel) " ...and 65 60 320 ppm H<sub>2</sub>O<sub>2</sub>."

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. Submit one (1) copy of the final printed label prior to release of the product for shipment.

A stamped copy of the label is enclosed for your records.

Sincerely,

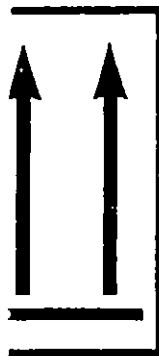
Marion Johnson  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (7505C)

Enclosures

2

FMC: VigorOx Antimicrobial Agent  
Draft Labeling

393



# VigorOx™ Antimicrobial Agent

EPA Registration No. 65402-2  
EPA Est. No. 00279-NY-003

VigorOx™ antimicrobial agent is for biofouling and slime control in:

- Pulp and paper mill systems
- Recirculating cooling water systems
- Coating preservation
- Dispersed pigment preservation

For Industrial Use Only

Active Ingredients: Peroxyacetic Acid .....5.1%  
Hydrogen Peroxide .....21.7%

Inert Ingredients: .....73.2%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

See side panel for additional precautionary statements

FMC and VigorOx are trademarks of FMC Corporation.



FMC Corporation  
Peroxygen Chemicals Division  
1735 Market Street  
Philadelphia, Pennsylvania 19103

## Precautionary Statements Hazards to Humans and Domestic Animals

### DANGER

Corrosive, causes eye and skin damage. Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Do not breath vapor or spray mist. Do not enter an enclosed area without proper respiratory protection.

### Physical or Chemical Hazards

Strong oxidizing agent. Mix only with water. VigorOx™ is not combustible; however, at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen released could initiate or promote combustion of other materials.

### Environmental Hazards

This pesticide is toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other 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 local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Any solution released from the system should be diluted with water and tested for residuals to ensure that there is less than 3 ppm peroxygen remaining.

### Statement of Practical Treatment

If swallowed: Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. See a physician.

If inhaled: Remove to fresh air. If breathing discomfort occurs, call a physician. If breathing has stopped, apply artificial respiration and see a physician.

If in eyes: Immediately flush with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. See a physician.

If on skin: Immediately flush with plenty of water while removing contaminated clothing and/or shoes. Wash skin thoroughly with soap and water. See a physician. Wash contaminated shoes and clothing before reuse.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

## Storage and Disposal

### Storage

NEVER RETURN VigorOx™ TO THE ORIGINAL CONTAINER AFTER IT HAS BEEN REMOVED. Avoid all contaminants, especially dirt, caustic, reducing agents, and metals. Contaminants and impurities will reduce shelf life and can induce decomposition. In case of a decomposition, leaky container, close container with cool water and dilute VigorOx™ with large volumes of water.

Avoid damage to containers. Keep container closed at all times when not in use. Keep container out of direct sunlight. To maintain product quality, store at temperatures below 86°F. Do not store on wooden pallets.

### Procedure for Leak or Spill

Stop leak if this can be done without risk. Shut off ignition sources, no flames, smoking, fires, or spark producing tools. Keep combustible and organic materials away. Flush spilled material with large quantities of water. Unspilled material should not enter confined spaces.

## Disposal

### Pesticide Disposal

If material has been spilled, an acceptable method by discharge into suitable treatment facilities, rules, regulations, standards, or vary by location, regulatory agencies should be consulted.

VigorOx™ Antimicrobial Agent which is lacking the appropriate local, state, or Federal disposal instructions.

### Container Disposal

Empty drums are not returnable to FMC. Dispose of drums in accordance with local, state, or Federal regulations.

## Directions for Use

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

### Steering control in Pulp and Paper

Not for use in manufacture of pulp and paper.

VigorOx™ antimicrobial agent can be used in paperboard mills.

1. Severely fouled systems should be added to the system directly and not into chemicals could result in product decomposition.

2. Add the VigorOx™ antimicrobial agent: pulp, e.g., the bleacher, hydrolyzer, tan plant.

3. Apply 0.2 to 1.5 lb. (5 to 24 fluid ounces) per 1000 gal. of water. Addition can be continuous or intermittent.

### Control of Bacteria and Fungi in Bleach

VigorOx™ antimicrobial agent can be used in water-based coatings such as toothpaste, bleaches, magnesium silicate and kaolin pigments.

Add 0.3 to 1.5 lb. (135-680 gms) of VigorOx™ per 1000 gal. of water (15 to 75 ppm).

### Control of slime forming bacteria (condensates)

1. Severely fouled systems should be added to the system directly and not into chemicals could result in product decomposition.

2. Add the VigorOx™ antimicrobial agent to the cooling tower basins.

3. Use 0.3 to 1.5 lb. (5 to 24 fluid ounces) per 1000 gal. of water. Repeat treatment if necessary.

### Control of Bacteria and Fungi in Coatings

Not for use in the manufacture of materials.

VigorOx™ antimicrobial agent can be used in water-based coatings such as paper coatings.

Add 0.3 to 1.5 lb. (135-680 gms) of VigorOx™ per 1000 gal. of water (15 to 75 ppm).

In all applications always use the appropriate amount for effectiveness. Do not overuse.

**BEST COPY AVAILABLE**