

53263-9 PM 31
US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

53263-9

DATE OF ISSUANCE

TERM OF ISSUANCE

JUL 10 1986

NOTICE OF PESTICIDE:

☒ REGISTRATION
☐ REREISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

P3 Oxonia Active

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Henkel Corporation
300 Brookside Avenue
Ambler, PA 19002

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 section 3(c)(7)(A) provided that you:

1. Submit and/or 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.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

John H. Lee

Product Manager (31)

Disinfectants Branch

Registration Division (TS-767C)

☐ ATTACHMENT IS APPLICABLE
Enclosures

SIGNATURE OF APPROVING OFFICIAL

DATE

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Henkel

P3 OXONIA ACTIVE™

Acid Liquid Sanitizer

for

Food Processing Equipment

in Dairies, Breweries

Wineries and

Beverage Plants

ACTIVE INGREDIENTS:

Percxyacetic Acid 4.0%
Hydrogen Peroxide 25.0%

INERT INGREDIENTS:

(Acetic Acid, HEDP, water) . 71.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

STRONG OXIDIZING AGENT

See side panel for additional
precautionary statements.

EPA Reg. No. 53263- 9
EPA Est. No. 53263-1A-1

HENKEL CORPORATION

Chemical Services Division

Ambler, PA 19002

Net Contents: 15 Gal.

**U.S. Patent No. 4,051,058
4,051,059**

Not for Sale or Use After: _____

ACCEPTED
with COMMENTS
in EPA Letter 1086

JUL 10 1986

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
53263-9

(Right Panel)

DIRECTIONS FOR USE

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

P3 Oxonia Active sanitizer is recommended for use on pre-cleaned surfaces of closed systems such as pipes, tanks, fillers, evaporators, pasteurizers, and aseptic equipment in dairies, breweries, wineries, and beverage plants. The product is effective as a sanitizer when solution is prepared in water of up to 500 ppm hardness as CaCO_3 .

SANITIZATION OF FOOD-CONTACT SURFACES

Prior to use of this product, remove gross food particles and soil by a pre-flush, or pre-scrape and, when necessary, pre-soak treatment from all surfaces, then wash with detergent or other cleaning solution followed by a thorough potable water rinse.

Prepare sanitizing solution by diluting $1\frac{1}{2}$ -2 $\frac{1}{2}$ fluid ounces P3 Oxonia Active concentrate per 5 gallons of water (0.25-0.40% v/v concentration). This will provide 100-200 ppm Peroxyacetic Acid and 640-1100 ppm of Hydrogen Peroxide.

Fill closed systems such as piping, tanks, fillers, evaporators, and pasteurizers with the sanitizing solution at a temperature range of 5°C (45°F) to 40°C (104°F) for a contact time of at least 1 minute. Allow surfaces to drain thoroughly before resuming food processing operations.

A fresh sanitizing solution should be prepared for manual operations at least daily or more often if it becomes soiled. The prepared use solution for automated operations must not be reused.

Refer to Technical Information Bulletin for methods to determine concentration.

ACCEPTED
WITH COMMENTS

by EPA 1279-1-10-86

JUL 10 1986

Under the Food, Drug, and Cosmetic Act, this product is an amended, for the purpose of registration under EPA Reg. No.

53263-9

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(Left Panel)

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. AVOID CONTAMINATION OF FOOD.

DANGER. Corrosive. Causes eye and skin damage. Do not get in eyes, on skin, or on clothing. Harmful or fatal if swallowed. Do not breathe vapors. Wear goggles or face shield and rubber gloves when handling.

STATEMENT OF PRACTICAL TREATMENT

If in Eyes: Flush with plenty of water for at least 15 minutes. Get medical attention.

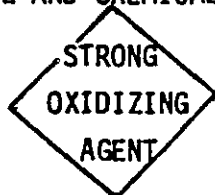
If on Skin: Flush with plenty of water for at least 15 minutes. Get medical attention if skin is severely irritated.

If Swallowed: Promptly drink a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water.

Avoid alcohol. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

PHYSICAL AND CHEMICAL HAZARD



CORROSIVE

CAUSES BURNS

ACCEPTED
with comments
5/10/86

JUL 10 1986

U.S. DEPARTMENT OF AGRICULTURE
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

53263-9

Strong oxidizing agent. Do not use in concentrated form. Mix concentrate only with water; never bring concentrate in contact with other sanitizers, cleaners or organic substances.

Dispense directly from original container. Use only clean synthetic hoses made of materials such as Teflon, polyethylene, or polystyrene. Do not use rubber hoses. If concentrate must be transferred to another container use only clean vented containers made of synthetic materials such as Teflon, polyethylene or polystyrene.

STORAGE AND DISPOSAL

Store in original container in a cool place. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

PLASTIC CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PESTICIDE DISPOSAL

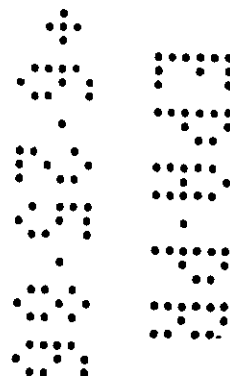
Product or rinsate that cannot be used should be diluted with water, neutralized with sodium carbonate and disposed of in a sanitary sewer. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

ACCEPTED
for DEPOSIT

JUL 10 1986

as amended, for the pesticide
registered under EPA Reg. No.

53263-9



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HENKEL CORPORATION
CHEMICAL SERVICES DIVISION

ACCEPTED
with COMMENTS
by EPA, 10/10/86

JUL 10 1986

This product is a pesticide,
registered under the FIFRA Act
and recommended for the pesticide
registered under EPA Reg. No.

53263-9

P3 OXONIA ACTIVE
Acidic Liquid Sanitizer for Food
Processing Equipment

P3 Oxonia Active is a non-foaming sanitizer based on a stabilized combination of hydrogen peroxide and peroxyacetic acid. It is recommended for use in dairies, breweries, wineries and beverage plants for sanitizing the pre-cleaned surfaces of closed systems such as pipes, tanks, fillers, evaporators, pasteurizers and aseptic equipment.

It is particularly effective against a broad spectrum of bacteria even in cold water. It is therefore possible to work at lower than conventional sanitizing temperatures and reduce energy costs.

DIRECTIONS FOR USE:

P3 Oxonia Active Sanitizer is recommended for use on pre-cleaned surfaces of closed systems such as pipes, tanks, fillers, evaporators, pasteurizers, and aseptic equipment in dairies, breweries, wineries, and beverage plants. The product is effective as a sanitizer when solution is prepared in water of up to 500 ppm hardness as CaCO_3 .

SANITIZATION OF FOOD-CONTACT SURFACES:

Prior to use of this product, remove gross food particles and soil by a pre-flush, or pre-scrape and, when necessary, pre-soak treatment from all surfaces, then wash with detergent or other cleaning solution followed by a thorough potable water rinse.

Prepare sanitizing solution by diluting 1 2/3 - 2 1/2 fluid ounces P3 Oxonia Active concentrate per 5 gallons of water (0.25-0.40% v/v concentration). This will provide 100-200 ppm peroxyacetic acid and 640-1100 ppm of hydrogen peroxide.

Fill closed systems such as piping, tanks, fillers, evaporators, and pasteurizers with the sanitizing solution at a temperature range of 5°C (45°F) to 40°C (104°F) for a contact time of at least one minute. Allow surfaces to drain thoroughly before resuming food processing operations.

A fresh sanitizing solution should be prepared for manual operations at least daily or more often if it becomes soiled. The prepared use solution for automated operations must not be reused.

DETERMINATION OF CONCENTRATION:

The active ingredients of P3 Oxonia Active solution can be determined by titration as follows:

1. Reagents Needed -

- 0.1N Potassium Permanganate (KMnO_4)
- 0.1N Sodium Thiosulfate ($\text{Na}_2\text{S}_2\text{O}_3$)
- 1% Starch Solution
- 25% Sulfuric Acid (H_2SO_4)
- 10% Potassium Iodide (solution) (KI)

2. Determination -

Pipet 25 ml. of P3 Oxonia Active solution into 300 ml. conical flask. Add 20 ml. of 25% H_2SO_4 .

Titrate with standardized 0.1N KMnO_4 until first faint pink color. (If overtitrated, discard sample). Record ml. of KMnO_4 used.

Add 2 ml. of 10% KI solution and 2 ml. of 1% starch solution.

Titrate with standardized 0.1N $\text{Na}_2\text{S}_2\text{O}_3$ until blue color disappears. (Important to use fresh starch and $\text{Na}_2\text{S}_2\text{O}_3$ for a stable endpoint). Record ml. of $\text{Na}_2\text{S}_2\text{O}_3$ used.

3. Calculations -

$$\text{ppm H}_2\text{O}_2 = (\text{ml KMnO}_4 \text{ used}) (68.0)$$

$$\text{ppm CH}_3\text{COOOH} = (\text{ml Na}_2\text{S}_2\text{O}_3 \text{ used}) (152.0)$$

PHYSICAL PROPERTIES:

- | | |
|-----------------------------------|--|
| 1. Appearance | : Clear water-like liquid |
| 2. Odor | : At use concentration there is practically no odor; however, the concentrate has a strong acetic acid odor which assists operators in distinguishing P3 Oxonia Active from other chemicals. |
| 3. Foam | : None |
| 4. pH & corrosion characteristics | : Figures are given on Page 3 |
| 5. Specific gravity | : 1.13 ± 0.02 |
| 6. Freezing point | : -20°C . |

ACCEPTED
with COMMENTS
by [illegible]

JUL 10 1986

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

53263-9

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pH VALUES:

P3 Oxonia Active concentrate pH = 1

Conc. of P3 Oxonia Active	pH Values			
	0	10 (grains of hardness)	20	30
Deionized water	5.25	5.45	5.55	5.6
0.05%	3.9	3.9	3.9	4.0
0.10%	3.7	3.7	3.75	3.75
0.20%	3.6	3.65	3.65	3.65
0.30%	3.5	3.5	3.5	3.5
0.40%	3.4	3.4	3.45	3.5
0.50%	3.3	3.35	3.35	3.4

CORROSION:

Surface losses when using P3 Oxonia Active expressed in g/m²/h
at 20°C. and 280 ppm hardness.

	0.2%	0.5%
Aluminum 99.5	0	0
Stainless steel, 304, 316	0	0
Tinned steel	0	0
Galvanized steel	0.05	0.2
Mild steel ST 37.2	0.7	1.1
Copper *	0.04	0.1
* discoloration		

No attack is observed on aluminum, stainless steel, and tinned steel.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 10 1986

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

53243-9

Mild steel, copper and its alloys and galvanized steel show surface losses which, depending on the concentrations used, remain within acceptable limits; however, the stability of the sanitizing solution suffers under these conditions. Contact time under these conditions should be kept to a minimum.

HANDLING AND STORAGE OF P3 OXONIA ACTIVE CONCENTRATE:

- Do not use in the concentrated form.
- Mix concentrate only with water.
- Never bring concentrate into contact with organic substances or other cleaning or sanitizing materials.
- Store in and dispense from original container.
- If another container must be used, it must be fitted with an air release valve which excludes contamination with dust, etc. and must be made of synthetic materials such as Teflon, polyethylene or polystyrene. The container must be thoroughly cleaned with an acid medium prior to filling.
- The concentrate must be stored in a cool place (20°C. [68°F.] to 35°C. [95°F.]) and be kept away from direct sunlight. Under these conditions the concentrate can be stored for at least one year.

PRECAUTIONARY STATEMENTS/FIRST AID:

Danger. Corrosive. Causes eye and skin damage. Do not get in eyes, on skin, or on clothing. Harmful or fatal if swallowed. Do not breathe vapors.

Wear goggles or face shield and rubber gloves when handling.

STATEMENT OF PRACTICAL TREATMENT:

If in Eyes: Flush with plenty of water for at least 15 min. Get medical attention.

If on Skin: Flush with plenty of water for at least 15 min. Get medical attention if skin is severely irritated.

If Swallowed: Promptly drink a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

Note to Physician:

Probable mucosal damage may contraindicate the use of gastric lavage.

ACCEPTED
with COMMENTS
in EPA Label 100-10-1

JUL 10 1986

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
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53263-9