

MAR 24 1989

Klenzade Products
Division of Ecolab, Inc.
Ecolab Center
370 Wabasha Street
St. Paul, MN 55102

Attention: Ann M. Oxford

Gentlemen:

Subject: Mandate
EPA Registration No. 1677-90
Your Amendments Dated December 7, 1988 and January 5, 1989
EPA Received Dates December 12, 1988 and January 10, 1989

This is in response to the above-mentioned amendments. The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five (5) copies of the finished labeling must be submitted.

- The calculations submitted for the parts per million (ppm) cannot be determined from the information given. Please provide complete computations for the active ingredients. The formulation has to be within the range cleared under the Federal Food, Drug and Cosmetic Act for use on food contact surfaces 178.1010 (b)(27) (c)(22).

109 ppm - 218 ppm total active fatty acids
156 ppm - 312 ppm of sodium 1-octanesulfonate

Should you have any further questions, please contact Veronica Dutch at (703) 557-6938.

Sincerely yours,

Jeff Kempter
Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7504C)

57065:I:Dutch:K-14:KENCO:03/21/89:03/30/89:CL:JH:DD

CONCURRENCES

SYMBOL	H7504C						
SURNAME	V. Dutch						
DATE	3/24/89						

2 of 3



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BEST AVAILABLE COPY

EPA Reg. No. 1677-90

MANDATE

see attached

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ACID SANITIZER
For Dairy and Food Processing Equipment

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 24 1989
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No. 1677-90

ACTIVE INGREDIENTS	
-Phosphoric Acid	22.5%
-Citric Acid	20.0%
-Octanoic Acid	6.0%
-Decanoic Acid	2.0%
INERT INGREDIENTS	49.5%

FIRST AID:
EXTERNAL: Immediately flush skin with plenty of cool running water for at least 15 minutes. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists.

U.S. Patent No. 4,404,040
FOR AGRICULTURAL OR COMMERCIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
DANGER

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

See side panel for additional precautions.
K

INTERNAL: If swallowed, immediately drink a large quantity of water. DO NOT induce vomiting. Avoid alcohol.

EPA Est. 1677-IL-2 (J), 1677-NJ-1 (W), 1677-TX-1 (D),
1677-GA-1 (M), 1677-CA-1 (S), 1677-MN-1 (E),
1677-PR-1 (B)

GET MEDICAL ATTENTION IMMEDIATELY
Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Superscript refers to first letter of date code.

FOR EMERGENCY MEDICAL INFORMATION, CALL TOLL-FREE 1-800-328-0026

Manufactured by:

NET CONTENTS:

KLENZADE, Division of Ecolab Inc.
Ecolab Center
St. Paul, MN 55102 (E), 1988
729429530V198 Printed in USA

55 U.S. GALS. (208.2 l)

FOR DAIRY AND FOOD PROCESSING EQUIPMENT, TANKS, VATS, PAILS, PIPELINES AND CLOSED SYSTEMS - Clean all surfaces thoroughly with proper detergent and rinse with water. Sanitize equipment prior to use. Use immersion, circulation or spray sanitizing techniques as appropriate. For sanitizing by immersion or circulation, use MANDATE at 1 ounce to 6 gallons of water (1300 ppm). For spray sanitizing, use MANDATE at 1 ounce to 3 gallons of water (2600 ppm). All surfaces should be exposed to the sanitizing solution for a period of not less than two minutes. Drain thoroughly. Continual use of MANDATE at 1 ounce to 6 gallons of water (1300 ppm) will prevent the formation of milkstone or mineralstone on processing equipment.

NOTE: FOR MECHANICAL OPERATIONS prepared use solutions may not be reused for sanitizing, but may be reused for other purposed such as cleaning.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

March 24 1983

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

1677-90