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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY 24 1990

Ms. Ann M. Oxford
Ecolab Inc.
Ecolab Center
St. Paul, MN 55102

Subject: Mikroklene
EPA Registration No. 1677-22
Amendment of March 26, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A stamped copy is enclosed for your records. Five copies of the finished labeling must be submitted before you release the product for shipment.

A. Expand the directions for sanitization of food contact surfaces to indicate that:

(i) For mechanical operations, the prepared use solution may not be re-used for sanitizing but may be re-used for other purposes such as cleaning and (ii) for manual operations that a fresh sanitizing solution should be prepared at least daily or more often if the solution becomes diluted or soiled.

B. The precautionary statements are incomplete, please add the following "Physical or Chemical Hazard" section.

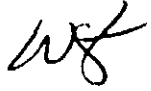
"Avoid contact with strong alkalis and other oxidizers. Mix only with water. Use clean, dry utensils and equipment. Contamination with organic matter and chlorinated products may cause the violent evolution of toxic gases."

CONCURRENCES							
SYMBOL	<i>Shankle</i>						
SURNAME	<i>W. Shankle</i>						
DATE	<i>5-24</i>						

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If you have any further questions, please contact Ms. Barbara Pringle at (703) 557-0484.

Sincerely yours,



Walter C. Francis
Acting Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7505C)

51463I:Pringle:C.Disk:KENCO:05/10/90:de:vo:sw:dd:dg

1. Remove gross food particles by a prescrape, preflush and, when necessary, a presoak treatment.
2. Wash in a solution of 1/2 oz MIKROKLENE to 2 1/2 gallons of water (25 ppm tit I) or other recommended detergent.
3. Rinse with clean water.
4. Sanitize in a solution of 1/4 oz MIKROKLENE to 2 1/2 gallons of water (12.5 ppm tit. I). Immerse all utensils for at least 1 minute or contact time specified by governing sanitary code. Renew solution before amber color disappears.
5. Drain and air dry.

DILUTION TABLE

ppm titratable Iodine	12.5	25	75
oz. MIKROKLENE per 2 1/2 gal water	1/4	1/2	1 1/2

NOTE: 1 oz. = 2 tablespoonfuls or 6 teaspoonfuls.

Consult local health department for additional information.

When used at a concentration providing a minimum 12.5 ppm titratable Iodine, MIKROKLENE has been tested and shown to be an effective sanitizer up to pH 7.5 in use solution.

MIKROKLENE is approved by the National Sanitation Foundation for use in spray and brush type glasswashing machines. Keep reservoir full. Adjust control as directed by machine manufacturer and local health authorities.

When used as directed MIKROKLENE complies with FDA Food Additive Reg. 21CFR 178.1010(b)(4) for sanitizing solutions which are not to be rinsed from food contact surfaces.

DANGER: CORROSIVE. Causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses when handling. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush immediately with cool water. Remove contact lenses. Continue flushing for 15 minutes, holding eyelids apart. Get prompt medical attention.

IN ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation develops.

IF SWALLOWED: Drink promptly a large quantity of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.