

TECHNICAL SUPPORT SECTION TOXICOLOGY REVIEW - I

Disinfectants Branch

IN Feb 15 88 OUT Feb 15 88

Reviewed by Alex Arce Date Feb 15 88

EPA Reg. No. or File Symbol 1677-90

EPA Petition or EUP No. None

Date Division Received 12-12-88

Type Product(s): I, D, H, F, N, R, sanitizer

Data Accession No(s). None

Product Mgr. No. Kempter # 32

Product Name(s) Mandate

Company Name(s) Ecolab Inc.

Submission Purpose Review of modified label

Chemical & Formulation Liquid

Active Ingredient(s):

	<u>%</u>
Phosphoric Acid	22.5
Citric Acid	20.0
Octanoic Acid	6.0
Decanoic Acid	2.0

Conclusion

The submitted label is acceptable, No adverse comments.

EFFICACY EVALUATION AND TECHNICAL MANAGEMENT SECTION  
EFFICACY REVIEW - I

Antimicrobial Program Branch

IN 01-19-89 OUT 03-02-89

Reviewed By Emily H. Mitchell *WEC/89*  
*3/13/89* Date 03-02-89

EPA Reg. No. or File Symbol 1677-90

EPA Petition or EUP No. None

Date Division Received 01-19-89

Type Product(s) Sanitizer/Food Contact Surfaces

Data Accession No.(s) \_\_\_\_\_

Product Mgr. No. PM 32 (Kempter)

Product Name(s) MANDATE

Company Name(s) KLENZADE, Division of Ecolab Inc.

Submission Purpose Amendment with label changes

Chemical & Formulation Liquid

Active Ingredient(s):

	<u>%</u>
Phosphoric Acid . . . . .	22.5%
Citric Acid . . . . .	20.0%
Octanoic Acid . . . . .	6.0%
Decanoic Acid . . . . .	2.0%

*2*

EFFICACY EVALUATION AND TECHNICAL MANAGEMENT SECTION  
EFFICACY REVIEW - II

Antimicrobial Program Branch

EPA Reg. No. or File Symbol 1677-90  
Date Division Received 01-19-89  
Data Accession No.(s) \_\_\_\_\_  
Product Manager No. PM 32 (Kempter)  
Product Name MANDATE  
Company Name KLENZADE, Division of Ecolab Inc.

202.0 Recommendations

203.0 Labeling

- a. The calculations submitted for the 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

109 ppm - 218 ppm total active fatty acids

INERT INGREDIENT INFORMATION IS NOT INCLUDED