

D-168

# LIQUID HAND DISHWASHING

Concentrated

## GUIDELINE FORMULARY

### DESCRIPTION

Water-clear, hand washing-up liquid  
High performance product  
Ecological and biodegradable product

### COMPOSITION

	%
EMAL® 270D	20.6
OXIDET® L-75C	21.8
LEVENOL® F-200	2.4
Ethanol	2.6
Citric Acid (50%)	0.5
KAO Fragrance	q.s.
Dye(s)	q.s.
Preservative	q.s.
Deionized Water	Up to 100

### TECHNICAL CHARACTERISTICS

### Kao Method

APPEARANCE (20°C):	Clear liquid	KCSA-258
pH (as it is):	Approx. 7.0	KCSA-014
VISCOSITY BROOKFIELD (20°C,cP):	Approx. 800	KCSA-227
SURFACTANT ACTIVE CONTENT (%):	Approx. 24	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

## RECOMMENDED OPERATIVE METHOD

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Charge deionized water and add EMAL® 270D, LEVENOL® F-200, OXIDET® L-75C, ethanol, citric acid and approximately 90% of the total water. Stir at the end of additions until complete homogenization.

Add dye, perfume and preservative, stir after each addition until complete homogenization.

Adjust viscosity with NaCl, stirring until complete homogenization.

## COMPONENTS

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**EMAL® 270D** (Sodium Laureth Sulfate, ≈ 70% a.m.): anionic character. Primary surfactant, highly foaming. Good detergent properties.

**OXIDET® L-75C** (Cocamidopropylamine Oxide, ≈ 33% a.m.): non-ionic/cationic character (at low pH). Foam booster and formulation stabiliser at low temperature. Additional thickening effect.

**LEVENOL® F-200** (Glycereth-6 Cocoate, ≈ 100% a.m.): non-ionic character. Mild surfactant with detergent power performance similar or even better than standard non-ionic surfactants. Medium foaming and good hydrotropic & wetting properties that allow the reduction of solvents. Eco-toxicologically friendly. It doesn't need any risk sentences or warnings on its label.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.

Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

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Ref. D08004/46

(Edited December 2012. Updated version July 2020)



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