

C-299

# HAND CLEANSER

ALCOHOL-FREE & FOAMING

## GUIDELINE FORMULARY

### DESCRIPTION

Mild to the skin  
Total absence of drying-skin agents  
Viscous formulation

### COMPOSITION

	%
OXIDET® L-75C	3.0
LEVENOL® H&B	1.0
KAOPAN® TW-IS399S	0.7
TETRANYL® U	0.6
TETRANYL® BC-50 <sup>(1)</sup>	0.2
KAO Fragrance	q.s.
Citric Acid (10% solution)	q.s.
Deionized Water	Up to 100

(1) 0.2% of TETRANYL® BC-50 can be substituted by 0.125% of TETRANYL® BC-80

### TECHNICAL CHARACTERISTICS

### Kao Method

APPEARANCE (20°C):	Clear viscous liquid	KCSA-258
pH (as it is):	Approx. 6.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 5,000	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

## RECOMENDED OPERATIVE METHOD

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Mix all the ingredients in the indicated order over the water.

Adjust pH with citric acid at 10% solution.

Add KAOPAN® TW-IS399S and stir until total homogeneity.

## COMPONENTS

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**KAOPAN® TW-IS399S** (PEG-160 Sorbitan Triisostearate, ≈ 75% a.m.): non-ionic character. Liquid thickener for any type of cleansing surfactant systems. Specially designed to increase viscosity of sulfate-free formulations. Processable at room temperature.

**LEVENOL® H&B** (Glycereth-2 Cocoate, ≈ 100% a.m.): non-ionic character. Extra-mild surfactant, with emulsifying properties. Skin emollient and moisturizing agent. Foam booster and thickening agent. Ecological product. It doesn't need any risk or safety warnings on its label. In hair rinse application increases the conditioning effect of the cationic component, giving smoothness. % of use in Hair Rinse = between 0.1 - 2%.

**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.

**TETRANYL® BC-50** (Benzalkonium Chloride, ≈ 50% a.m.): cationic character. Disinfecting effect.

**TETRANYL® U** (Undecylenamidopropyltrimonium Methosulfate, ≈ 50% a.m.): cationic character. Main functions are Antimicrobial, Antistatic and Conditioning. Water soluble at room temperature. Compatible with other surfactants.

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.

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