

D-165

LIQUID HAND DISHWASHING

PREMIUM

GUIDELINE FORMULARY

DESCRIPTION

Optimized formula to provide the best performance
Solvents are reduced thanks to the addition of EMANON® XLF

COMPOSITION

	%
EMAL® 270	40.2
OXIDET® DM-20	18.6
EMANON® XLF	3.8
Ethanol	5.2
Propyleneglycol	2.0
NaCl	1.6
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 viscous liquid	KCSA-258
pH (as it is):	Approx. 7.0	KCSA-014
VISCOSITY BROOKFIELD (20°C,cP):	Approx. 1,000	KCSA-227
SURFACTANT ACTIVE CONTENT (%):	Approx. 37.5	KCSA-246
STABILITY TEST:	Correct	(1 months 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Charge deionized water and add EMAL® 270D, EMANON® XLF, OXIDET® DM-20 and approximately an 90% of the total water. Stir at the end of additions until complete. Continue with the addition of the rest of water and enough quantity of Citric Acid (50%) in order to neutralize.

Add Propylenglycol and stir until it is completely dissolved.

Add Ethanol and NaCl stirring until complete homogenization.

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

Adjust pH (if needed) and remaining water up to 100%.

COMPONENTS

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

EMANON® XLF (Glycereth-7 Caprylate/Caprata, » 100% a.m.): non-ionic character. Optimized non-ionic surfactant for liquid hand dishwashing formulations, which provides foam in presence of dirt. Eco-toxicologically friendly. Acts as hydrotrope in concentrated formulations.

OXIDET® DM-20 (Lauramine Oxide, » 30% a.m.): non-ionic/cationic character (depending on the pH). Stable at acidic and alkaline pH. Foaming and detergent.

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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Ref.

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