



# Kao Corporation, S.A.

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**KCE REFERENCE : D-167**

## DESINFECTING WASHING UP LIQUID

### DESCRIPTION

- Very well balanced formulation to obtain an outstanding performance
- Disinfecting effect
- Very good foaming product thanks to EMANON<sup>®</sup> XLF

### COMPOSITION

	%
EMAL <sup>®</sup> 270 D	21.4
OXIDET <sup>®</sup> L-75C	22.7
EMANON <sup>®</sup> XLF	2.5
MELIOSOL CU-40	3.0
TETRANYL <sup>®</sup> BC-80	1.3
Ethanol (96%)	2.0
Citric Acid (50%)	0.5
Preservative	e.q.
Colorant	e.q.
Deionised Water	Up to 100%

(1) 21.4% of EMAL<sup>®</sup> 270D can be replaced by 53.5% of EMAL<sup>®</sup> 228HP or by 55.5% approx. of EMAL<sup>®</sup> 227E.

### TECHNICAL CHARACTERISTICS

		<b>Kao Method</b>
APPEARANCE (20°C) :	Transparent viscous liquid	KCSA-258
DRY MATTER (%) :	≈ 26	KCSA-092
VISCOSITY (cPs, 20°C) :	≈ 1300	KCSA-227
pH (as it is) :	≈ 7	KCSA-014

### RECOMMENDED OPERATIVE METHOD

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- Weight ALL components except TETRANYL® BC-80 and stir (around 200-300 rpm).
- Add TETRANYL® BC-80 (also TETRANYL® BC-50 can be used, adjusting the %product required). TETRANYL® BC-80 has 80% dry matter and BC-50 has 50% dry matter.
- Adjust final pH.
- Adjust final water content 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.

**MELIOSOL® CU-40** (Sodium Cumenesulfonate, ≈ 40% a.m.): anionic character. Hydrotrope component. It improves the solubility and the cloud point of the formula. In this kind of formula containing phosphoric or citric acids, MELIOSOL® CU-40 acts as a viscosity modifier.

**OXIDET® L-75 C** (Cocamidopropylamine Oxide, ≈ 33% a.m.): cationic/non-ionic character (depending on the pH). Secondary surfactant. It increases the foam volume and improves the quality of it. It also acts as a thickener. Its addition reduces the surface tension and therefore improves the detergency of the formula.

**TETRANYL® BC-80** (Benzalkonium Chloride, ≈ 80% a.m.): cationic character. Disinfecting effect.

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