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## Automatic Dishwash Liquid

Category: **Automatic Dishwash**

### INGREDIENTS

Phase	Ingredient	INCI	Supplier	Weight (%)
A	Deionised Water	Aqua	-	Up to 100
	Sodium Citrate	Sodium Citrate	OQEMA	10,00
	Sodium Bicarbonate	Sodium Bicarbonate	OQEMA	5,00
	Sodium Metasilicate	Sodium Metasilicate	OQEMA	4,00
B	Syntapon AES	Sodium Laureth Sulfate	Enaspol	8,00
	MARLOX MO 154	C12–C14-alcohol polyalkylene glycol ethers	Sasol	5,00
	Dequest® PB 11625D	Carboxymethyllnulin	Italmatch	2,00
	Decylamine Oxide	Decylamine Oxide	OQEMA	5,00

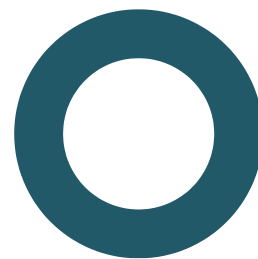


	D-Limonene	D-Limonene	OQEMA	2,00
C	Perfume	Parfum	Claus Nitsche	0,50
	Neolone® PH 100	Phenoxyethanol	Lanxess	0,50

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**Disclaimer:**

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## METHOD

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1. Combine all Phase A ingredients in a mixing tank. Mix uniformly until the powders are fully dissolved. Heat gently to **40–50 °C** if needed to aid dissolution.
2. In a separate vessel, combine all Phase B ingredients. Mix thoroughly until a homogeneous solution is obtained.
3. Slowly add Phase B to Phase A while mixing continuously. Maintain gentle agitation to avoid excessive foaming
4. Mix all Phase C ingredients separately until uniform and add to Phase A+B solution.
5. Check the pH and adjust to 7–8 if necessary.

## APPEARANCE

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Transparent liquid

## HIGHLIGHTS

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The formulation combines Sodium Citrate and Sodium Metasilicate to soften water and prevent streaks, while Syntapon AES and Decylamine Oxide deliver strong grease removal with a balanced, mild foam profile. MARLOX MO 154 enhances cleaning power, and Dequest® PB 11625D provides effective scale inhibition for spotless shine. D-Limonene boosts degreasing and leaves a fresh scent, complemented by a light perfume, while Neolone® PH 100 ensures product stability and long-lasting performance.

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