

Advanced Formulations

#78311

Hand dish washer - Removing heavy oil & Grease

	Product	INCI	Functionality	% W/W
A	Water	Water	Solvent	26.8
	Sodium Hydroxide 36%	Sodium Hydroxide	Neutralize LABSA	3.29
	Sulnate® LABSA-96	Linear Alkyl benzene Sulphonic Acid	Surfactant	8.86
B	Water	Water	Solvent	42.75
	SXS-40	Sodium xylene sulfonate	Solvent & Detergency	4.00
	Sulnate® SLES-70	Sodium Lauryl Ether Sulphate	Surfactant	7.10
	Ecolimp® BG 600	Lauryl Glucoside	Emulsifier	4.00
	Maiscare® P065	Coco glucosides and Glyceryl monooleate	Lipid layer enhancer Thickener	1.0
	ECOxide® CAPO	Cocamidopropylamine Oxide	Detergency	2.20
	Perfume	-	Fragrance	q.s.
	Preservative	-	Preservative	q.s.
C	Citric Acid (20%)	Citric Acid	pH adjustment	q.s.
D	Sodium Chloride (25%)	Sodium Chloride	Thickener	q.s.

Typical Properties:

pH, as is: 6.5-7.5

Viscosity, cps (25°C): 750 (Brookfield RVT, 23°C, spindle 4, 10 rpm)

Ecolimp® BG 600 Lauryl Glucoside contributes a lower foam, if you like high foaming, replace it with Ecolimp® BG 650 Coco Glucoside, and reduce SXS-40 from 4.00% to 3.00%.

Method in the laboratory:

Mix phase A until LABSA homogeneously neutralized. → Add phase B and mix until homogeneous →

Adjust the pH value by adding phase C → Adjust the viscosity by adding phase D.