

LIQUID SOAP

with AGRANA STARCHES as OPACIFIER

”Formulated by Azelis and reformulated by AGRANA”

In rinse-off skin cleaning products are often used synthetic opacifiers. AGRANA’s natural biodegradable starches like REISITA NATURAL and RICE PO4 NATURAL can substitute such synthetic products.

Both perform high opaque solutions.

Ingredients	INCI-Name	Blank % w/w	Synthetic Opacifier % w/w	RICE PO4 NATURAL	REISITA NATURAL	Supplier
Phase A						
Water	Aqua	85,64	84,14	82,64	82,64	
Rhodicare T	Xanthan Gum	0,60	0,60	0,60	0,60	Azelis
Styrene / Acrylates Copolymer	Styrene / Acrylates Copolymer		0,50			
RICE PO4 NATURAL	Distarch Phosphate			3,00 %		AGRANA
REISITA NATURAL	Oryza Sativa Starch				3,00 %	AGRANA
Phase B						
Sulfetal LS 40 T	Sodium Cocosulfate	6,20	6,20	6,20	6,20	Zschimmer & Schwarz
Tego Betain F50	Cocamidopropyl Betaine	6,56	6,56	6,56	6,56	Evonik
Phase C						
Phenoxyethanol	Phenoxyethanol	1,00	1,00	1,00	1,00	

MANUFACTURING INSTRUCTIONS:

Phase A: Use heated water (50–60°C) and add opacifier (synthetic opacifier or RICE PO4 NATURAL or REISITA NATURAL) whilst stirring until homogeneous.

Add Xanthan Gum whilst stirring at 1000 rpm until homogeneous.

Phase B: Melt both of them at 70°C whilst stirring until you get a homogeneous liquid.

Add Phase B with low stirring into Phase A (600 rpm for 2 min).

Cool down to 45°C and add Phenoxyethanol.



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