



NATURAL ALL-OVER BABY CLEANER/BABY BATH ZENIPOM

This very gentle, foaming detergent liquid can be made using a cold process, thus saving energy. It is based on mild, alkyl polyglucoside surfactants combined with safflower oleosomes and Zenipom to leave a long-lasting, silky, moisturizing protective film on the skin. The formulation is designed to not disrupt the delicate natural barrier of the baby's skin. It could also be used as an adult shower gel or bath liquid. This formulation would conform to current ECOCERT or forthcoming COSMOS natural standards.

	PHASE	INGREDIENT (INCI NAME)	% BY WEIGHT	BATCH SIZE
1.	A	WATER	QS	QS
2.	A	MAGNESIUM ALUMINUM SILICATE	0.70	7.00
3.	A	XANTHAN GUM	0.80	8.00
4.	B	CARTHAMUS TINCTORIS (SAFFLOWER) OLEOSOMES, GLYCERIN, WATER	12.50	125.00
5.	B	ZENIPOM (OCTYLDODECANOL DIMER DILINOLEYL ALCOHOL/SUCCINIC ACID COPOLYMER, PUNICA GRANATUM SEED OIL)	2.00	20.00
6.	B	HELIANTHUS ANNUUS, TOCOPERHOL	0.50	5.00
7.	B	ORGANIC ESSENTIAL OIL BLEND	QS	QS
8.	C	DECYL GLUCOSIDE	25.00	250.00
9.	C	COCO-GLUCOSIDE	2.50	25.00
10.	C	COCO-GLUCOSIDE & GLYCERYL OLEATE	2.00	20.00
11.	D	LAVANDULA AUGUSTIFOLIA WATER (ORGANIC)	7.50	75.00
12.	D	GLUCONOLACTONE, SODIUM BENZOATE	1.20	12.00
13.	D	CITRIC ACID (25%)	QS	QS
		Total	100.00	1000.00

ECOCERT COMPLIANT

Manufacturing instructions:

Combine the magnesium aluminum silicate and water of phase A with high shear mixing until the product is fully hydrated (following the manufacturer's instructions). Add the xanthan gum and mix until uniform.

Combine the ingredients of phase B with mixing until uniform. Mix the ingredients of phase C gently to avoid foaming.

Add phase B to A, mixing well until homogeneous. Add phase C at a low stirring speed and mix until smooth and uniform. Add the ingredients of phase D sequentially and mix for around 5 minutes, adjusting the pH to 5.5-6.0 with citric acid as shown.

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