



Peel-Off Lake

SELVOL™ ULTALUX FA polyvinyl alcohol (PVOH) provides performance and functionality to face masks and peels. Based on this same idea, Univar's Personal Care laboratory wanted to go beyond the peel off mask concept, by creating this peel-off vibrantly coloured yellow formulation which imparts colour to the skin upon application, drying and removal via peel off film. The colour dispersion was developed by **Univar Colour** whose expertise lie with their capabilities to create bespoke colour pastes and dispersions, in this case we have used **FD&C Yellow No.5 Lake dispersed in Castor Oil**. The coloured paste is suspended thanks to the presence of **Aculyn™ 88**. **Tea Tree Oil** was included for its calming and dermo-purifying properties. In parallel, **Tsubaki Oil Virgin Deodorised** was used for its moisturising benefits.



	Trade name	INCI name	Supplier	%	
A	1	Aqua (Water)	Univar*	65.34	
	2	Selvol Ultalux FA	Sekisui/Univar*	8.0	
	3	Aculyn™ 88	Dow Personal Care/Univar*	3.0	
	4	NaOH (33% solution)	Univar*	Qs	
	5	Ethanol 99.9% S	Ineos/Univar*	10.0	
	6	Propylene Glycol	Univar*	2.0	
	7	GLC® 99%	Glycerin	Kao Chemicals Europe/Univar*	2.0
B	8	NataPres	Glycerin (and) Leuconostoc/ Radish Root Ferment Filtrate (and) Lonicera Japonica (Honeysuckle) Flower Extract (and) Lonicera Caprifolium (Honeysuckle) Flower Extract (and) Populus Tremuloides Bark Extract (and) Gluconolactone	PCCA/Univar*	0.5
	9	Carbowax™ Sentry™ Polyethylene Glycol (PEG) 400	PEG-8	Dow®/Univar*	2.0
C	11	Tea Tree Essential Oil HA080130	Melaleuca Alternifolia Leaf Oil	Naturex/Univar*	0.2
	12	Tsubaki Oil Virgin Deodorized LA030067	Camellia Japonica Seed Oil	Naturex/Univar*	1.0
	13	Kaopan® TW L120	Polysorbate 20	Kao Chemicals Europe/Univar*	1.0
D	14	Paste Yellow 27-SA-4362	FD&C Yellow No.5 Lake (CI 19140:1), castor oil	Univar Colour*	4.8

* Please contact your regional Univar sales representative to ensure that mentioned products are distributed in your country.

Reference: 261114.CC(U) n°3

Issued by: Univar's European PC Laboratory in Brussels, Belgium

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Procedure
1. Disperse Selvol into water with stirring at 25-35°C. Heat to 85°C until homogeneous. This step could take 60 minutes.
2. Cool down this blend at 40°C, and then add Aculyn 88.
3. Neutralize this solution with Sodium Hydroxide between pH = 5.5 – 7.5.
4. Add in the order ingredients of phase B into phase A with gentle stirring during 15 min.
5. Add in the order ingredients of phase C with gentle stirring during 30 min.
6. Add phase D, and adjust pH if needed between 6.0 – 7.0.

Stability
Stable for at least 3 months at room temperature and 40°C.

Comments
<ul style="list-style-type: none"> • Viscosity (spindle 2 ; 6 rpm ; 1 min) = 3,800 cPs (57.0%) • pH = 6.1 – 6.3 • Fluid vibrant yellow peel-off lake. Even once dried on the skin, after application, the formulation contours don't take off like for usual peel-off masks. Wear the lake all over the day and remove it by simply taking off the film. • Glass jar would be recommended • Formula issued from "Zensation - Face Mask with Essential Oils" from our partner, Sekisui.



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