



ECOBASED

CAR SHAMPOO

Adopt a sustainable way of washing your clothes

Washing at lower temperature is key to improving the overall sustainability profile of cleaning. Using renewable and biodegradable enzymes, this concentrated solution empowers the surfactants to work on tough stains even at 30°C.

 **Univar**Solutions

ECOBASED CAR SHAMPOO

LAB LOCATION: ESSEN, GERMANY | FORMULA #: 2.6.5.5.22

TRADE NAME	% BY WT	FUNCTION & BENEFITS	SUPPLIER
CAFLON 2L28U	56.40	An anionic surfactant which has excellent foaming, cleaning and emulsifying properties. EU Ecolabel certified.	Univar Solutions
CAFLON 30AO	10.30	A nonionic surfactant with amphoteric tendencies that is based on a natural feedstock. It acts as foam enhancer, viscosity builder and stabiliser. Ecolabel certified.	Univar Solutions
BETADET SHR	10.30	A plant derived amphoteric co-surfactant with thickening and foam booster effect. It decreases the irritation level of anionic surfactant in formulation. Ecolabel certified.	Kao Chemicals
AMIDET N	9.00	A high concentrated liquid surfactant which shows very good solubilizing and emulsifying properties. It presents better performance in terms of thickening and foaming than Cocamide DEA. Ecolabel certified.	Kao Chemicals
SUGANATE 160 NC	9.00	A naturally derived, high foaming anionic surfactant without inducing eye and skin irritation. EO-free, sulfate-free, CLP-free.	Colonial Chemicals
CAFLON SQ40-M	5.00	A readily biodegradable complexing agent with excellent ecological and toxicological profile. Ecocert certified.	Univar Solutions
Dye	q.s.	Aesthetics	Univar Solutions
Citric acid	q.s.	pH buffer	Univar Solutions

PROCEDURE

1. Add CAFLON 2L28U and heat to 30-35°C. Maintain this temperature throughout the blend and do not go above 40°C.
2. Add CAFLON 30AO, BETADET SHR, AMIDET N, SugaNate 160NC and CAFLON SQ-40M one by one and mix for 30 minutes in between addition.
3. Add dye and mix well.
4. Adjust the pH with Citric Acid to 7.0-7.5.

PROPERTIES

- pH: 7.0-7.5
- Viscosity: 350 mPa.s
- Appearance: Hazy blue liquid

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