

CAFLON CSC95

High active Car Shampoo Concentrate

Caflon CSC95 is a highly concentrated liquid detergent base suitable for the manufacture of economical hand car shampoos and general purpose detergents. Caflon CSC95 is a complex blend of biodegradable anionic and nonionic surface active agents with handling characteristics that are better than many detergent concentrates of lower active concentration.



TYPICAL PROPERTIES (Not a specification)

Appearance @ 20°C	Clear homogeneous mobile amber liquid
pH (10% w/w Aq. Soln)	8.5
Non volatiles (% w/w)	Circa 95
Pour Point (°C)	<0
Water Content (% w/w)	5
Specific Gravity (20/20°C)	1.07
Viscosity @ 20°C (cps)	2800

Applications

Car shampoos / detergents based on **Caflon CSC95** exhibit excellent flash foaming characteristics and excellent cleaning performance.

By using Caflon CSC95 it is possible to manufacture liquid detergents in active concentrations ranging from 7% to 30%. Finished products are easily thickened due to the excellent viscosity response to traditional salt thickening techniques (including ammonium sulphate, if sodium chloride is not deemed suitable).

Caflon CSC95 is extremely cost effective when compared to other products, which are available with much lower active concentrations.

As well as car shampoos / detergents, Caflon CSC95 can be used in the manufacture of a wide range of general purpose detergents and speciality cleaners.

Because of its very high active concentration **Caflon CSC95** offers maximum utilisation of the customers warehousing and bulk storage tanks. Transport costs are also reduced when compared to delivery of concentrates containing 50% or more of water. Savings are also possible in administrative and labour costs because less concentrate is being handled.

Method of Use

Caflon CSC95 is easily diluted with water to the active concentration required. No specialised mixing or blending equipment is required, as Caflon CSC95 does not form intractable gels on dilution. Finished product can be dyed and perfumed but it is advisable to test for compatibility before production commences. Dilutions of Caflon CSC95 should be preserved by addition of a suitable preservative, e.g. 0.1% BIT. In areas of very hard water the widely used water softening equipment will ensure the preparation of clear dilutions. Alternatively, when manufacturing detergents having low active concentrations (i.e. below about 10%) small amounts of a sequestering agent (e.g. 0.1% CAFLON SQ38-G, GLDA blend) can be added to the dilution water prior to addition of Caflon CSC95.

Viscosity Characteristics

Small amounts of sodium chloride (or ammonium sulphate) should be added to dilutions in the range 7% to 25% active matter to achieve highly acceptable viscosities. It is unlikely that this will be necessary for more concentrated detergents.

Typical Formulation

CAR SHAMPOO WITH WAX

Demin water		
Caflon CSC95	15.00%	
Caflon 30AO	1.50%	Lauramine oxide, 30%
Ammonium sulphate	0.1 – 0.2%	
Carnuba wax emulsion	0.25%	
Caflon BIT20	0.10%	
Dye and perfume	qs	
Caflon OPF	qs	Acrylic opacifer if required

CAFLON CSC95 When diluted to below <25% in water it does not require the corrosive pictogram under CLP *(a separate report is available upon request).*



Handling & Safety

A separate Safety Data Sheet is available on request.

Storage

Caflon CSC95 is available in bulk, IBC's and non-returnable drums.