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1. HOW TO USE THE PRODUCT

Basic Procedures

Finished conditioner bars are made by melting the base and pouring into moulds.

(i) Open & Cut

Remove the solid conditioner base from the packaging and cut it into smaller pieces to aid melting and even heating.

(ii) Melt.

The base must be heated in a suitable vessel, such as a glass beaker.

Melt the product, to about 75°C, in a microwave or a suitable heating device ensuring that the base melts evenly. The conditioner base should be heated until completely homogenous with gentle agitation to avoid boiling over.

(iii) Mix

Once the base is molten, additives such as fragrance, colour and actives can be added to customise the base. Simply add the chosen additives to the molten product and mix to ensure even distribution. See more details about how to process these ingredients in section 2.

(iv) Pour

Working quickly, simply pour your base into your mould. The moulds must be clean and manufactured from suitable materials such as silicone.

The base should be poured between 75 – 80°C.

2. HOW TO FORMULATE

Choosing the correct additives

(i) Correct choice of perfume

Trials in our laboratories have shown that most fragrances can be used successfully in the solid conditioner.

Note: the choice of fragrance may impact:

- Ease of use and solubility
- Stability of the conditioner bar at low temperatures
- Colour of the conditioner bar
- Compatibility with the bar wrapping material.

Fragrances levels of 2% or less usually give an acceptable odour and rarely cause stability problems. It is advised that a 5% maximum of additives to be added to the base including 2% maximum for fragrance and the rest is colour and conditioning agents. Levels of 5% or more may affect colour and clarity of bars at low temperature.

Note: As the base does not contain water, the additives used must be oil-soluble otherwise there may be solubility issues.

3. STABILITY GUIDANCE

During the development of this base our standard stability testing protocol was successfully conducted, this included monitoring for a 12 week period under the following conditions: Ambient (light & dark), Fridge (5°C), Oven (40°C)

Once the base has been used to formulate a final finished product, via the addition of additives and fragrance, we highly recommend that additional stability is conducted to verify the final product.

4. MICROBIOLOGY GUIDANCE

This base contains no water and is oil based therefore we have not conducted any challenge testing.

Once the base has been used to formulate a final finished product, via the addition of additives and fragrance, we highly recommend that a microbiological challenge testing is conducted to verify the final product.

5. PRODUCT SAFETY

Our product bases have been formulated to comply with the Cosmetic Product Regulation (EU) No.1223/2009.

Once the base has been used to formulate a final finished product, via the addition of additives and fragrance, a final Cosmetic Product Safety Report (CPSR) will be required for sale in the EU/UK.

6. STORAGE

Optimum storage conditions 5-30°C

For base shelf-life, see delivery certificate of analysis (CofA).

For more info, tips and troubleshooting tricks on our soap bases, visit our website www.stephensonpersonalcare.com