

Guide Formulation

Personal Care

Face Cream

Containing: BC 2231, Cyclopentasiloxane and Dimethiconol and BC 2183, Silicone Quaternium-15

In this skin cream formulation BC 2231 and BC 2183 are used to aid the spreading of actives and to add a soft velvety feel.

| Raw Material | Weight % | Trade Name / Supplier |
|--|----------|-------------------------------------|
| <u>Part 1</u> | | |
| Soft Water | 75.3 | - |
| Glycerine | 2.5 | Glycerin / Cognis |
| Cetearyl Ethylhexanoate and Isopropyl Myristate | 4.0 | Crodamol CAP / Croda |
| Sunflower Oil | 3.0 | Florasun 90 / Floratech |
| Cetyl alcohol | 2.0 | Lanette 16 / Cognis |
| Cetearyl alcohol | 3.0 | Crodacol CS90 EP / Croda |
| Ceteareth 20 | 2.0 | Volpo CS 20 / Croda |
| <u>Part 2</u> | | |
| Acrylates Copolymer (30%) | 5.0 | Carbopol SF-1 / Noveon, Inc |
| Sodium Hydroxide (32%) | 0.5 | - |
| BC 2231 , Cyclopentasiloxane and Dimethiconol | 3.0 | BC 2231 / Basildon Chemicals |
| BC 2183 , Silicone Quaternium-15 | 1.0 | BC 2183 / Basildon Chemicals |
| Fragrance | q.s | - |
| Preservative | q.s | - |

Method

- Combine ingredients of Part 1 and heat with mixing to 75°C.
- Mix for 10 minutes at this temperature then cool with mixing to < 50°C
- Add the Acrylates Copolymer with mixing then neutralise to pH 7 with sodium hydroxide
- At 40°C add preservative and fragrance as required

Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.

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