

Application Data

Skin Feel Test

Personal Care

General Information

A skin feel test was conducted on 21 volunteers (6 male and 15 female) aged from 19 to 50.

The volunteers were asked to evaluate and compare 5 hand-creams having the general formula detailed below and each containing a different glycol.

The volunteers were questioned on the skin feel characteristics of the creams.

Hand Cream Formulation

INCI Name	wt %
Dimethicone	3
Cethyl alcohol	4
Glyceryl stearate	2
Cetearyl alcohol & sodium lauryl sulfate	7
Isopropyl myristate	5
Deionized water	67.8
<i>Glycol</i>	<i>10</i>
Preservative	1
Perfume	0.2

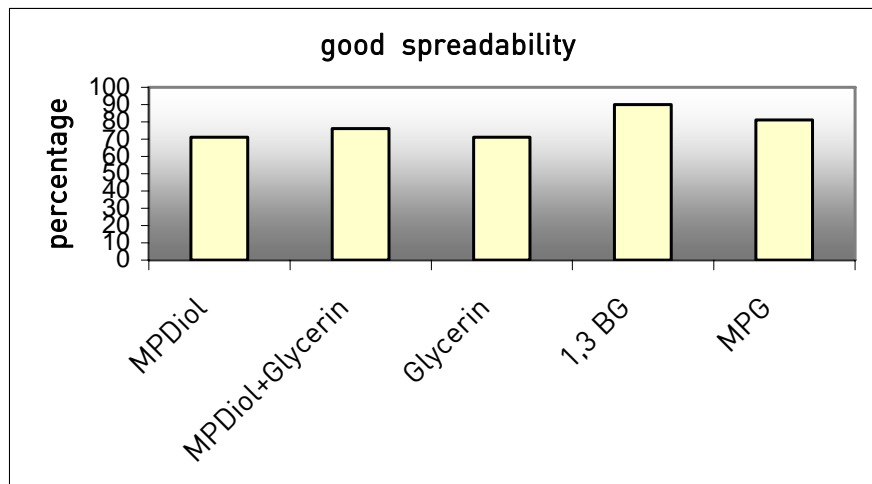
The percentage of "yes" answers given to the questions are reported in the graphs attached.

Glycols tested in the hand cream:

- MPDiol glycol
- 1,3 butylene glycol
- Propylene glycol
- Glycerin
- MPDiol glycol/glycerin(50/50)

Spreadability

Spreadability is the ease of moving the product in circular movements over the skin, upon application. Volunteers were asked whether the creams had a good spreadability:



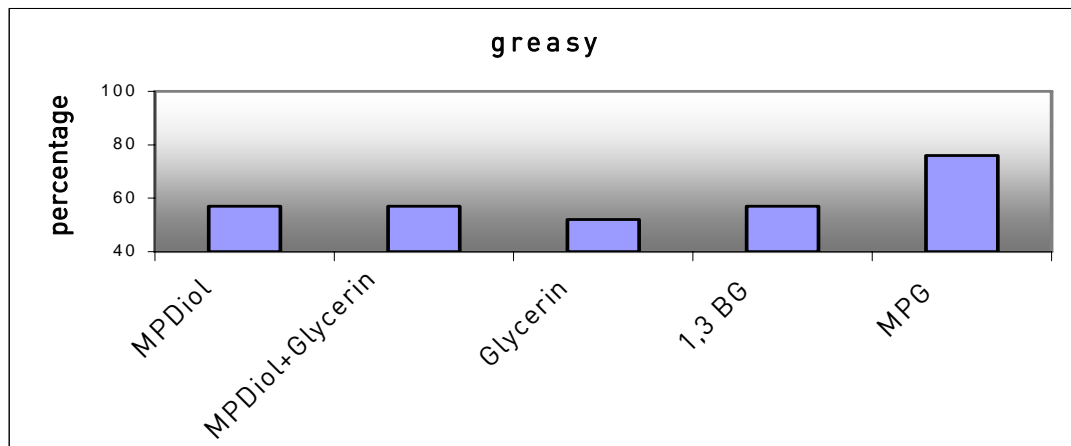
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Greasiness

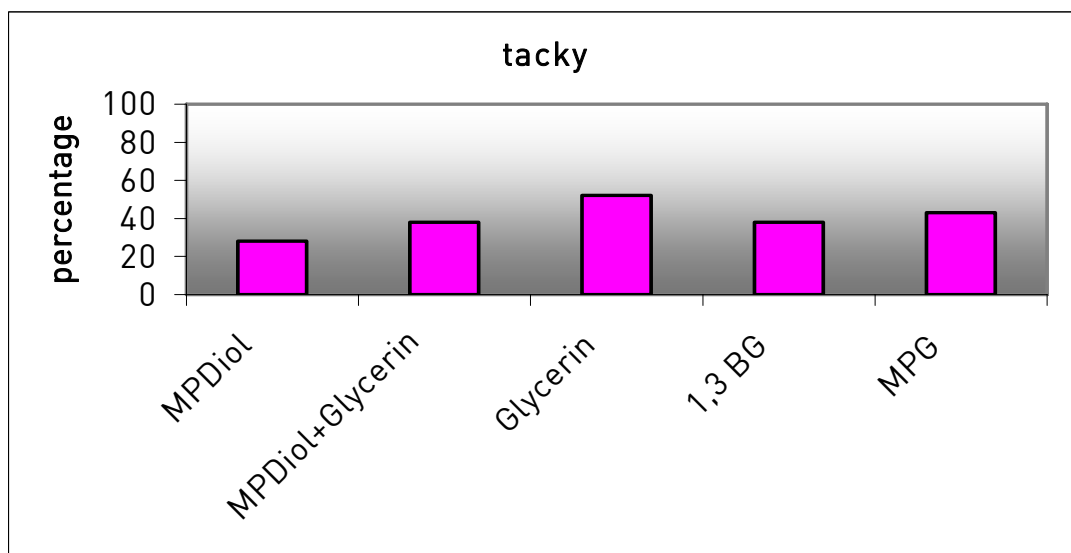
Volunteers were asked whether they perceived a greasy feel when rubbing the creams on the hands.



The cream containing MPG was perceived as being the greasiest while the one with glycerin was the least greasy.

Tackiness

Tackiness defines the feeling of a force required to remove fingers from the skin surface. Volunteers were asked whether the cream tested felt tacky right after application:



Glycerin is felt as being the most tacky glycol while MPDiol glycol is the least sticky.

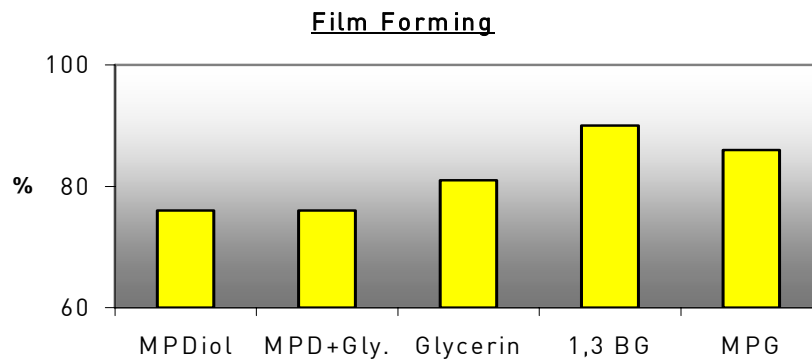
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Film Forming

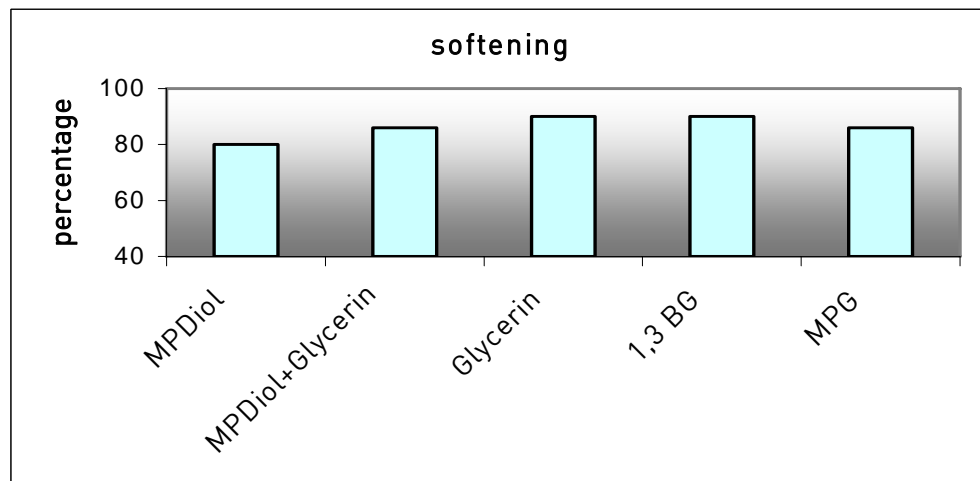
This is the feeling that a cream has formed a film on the skin, after application. Volunteers were asked whether the cream formed a film on the skin after application:



MPDiol glycol is the least film forming, while 1,3 BG is the most.

Softening

Volunteers were asked whether the cream left a soft feeling on the skin upon application.



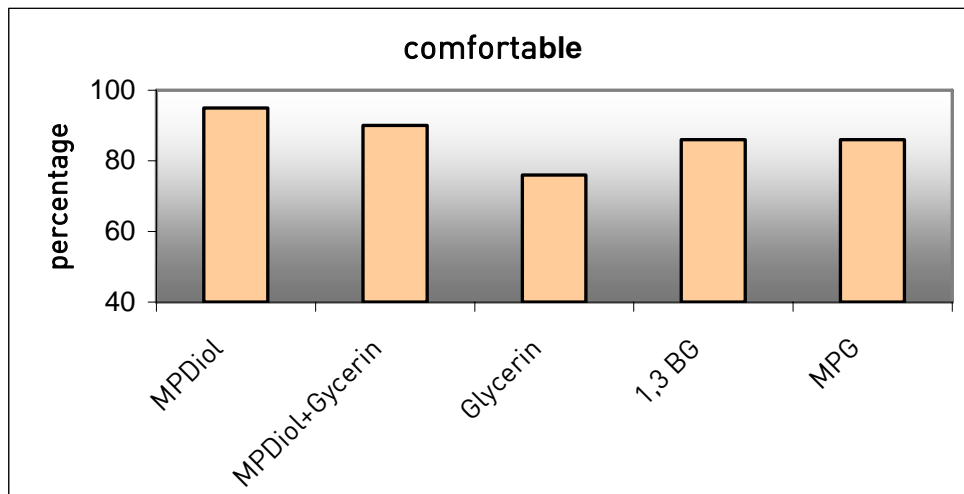
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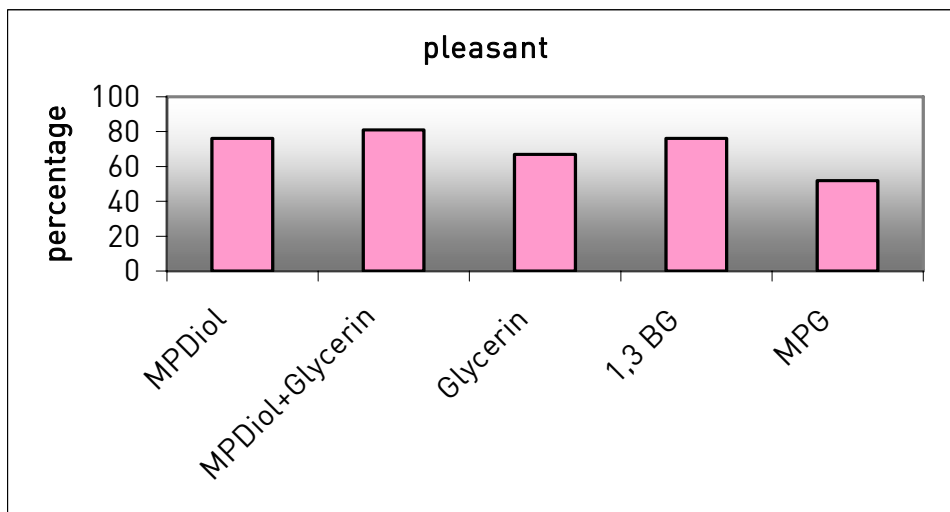
Comfortable

Volunteers were asked to overall evaluate whether the creams were comfortable.



- The cream formulated with glycerin was judged to be the least comfortable, some volunteers felt a sensation of heat and
- 95% of volunteers found MPDiol glycol-based cream to be comfortable.

Pleasant



- 81% of the interrogated person finds the hand-cream MPDiol glycol+glycerin is the most pleasant.
- The blend of MPDiol glycol and glycerin keeps all the qualities of glycerin while improving the skin feel with the properties of the MPDiol glycol.

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