TITLE

"An Ayurvedic composition for topical application in treatment of burns"

ABSTRACT

This invention is based on ayurvedic formulation which comprises two or more active ingredients for treatment of burns without leaving any scar mark.

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CLAIMS

1. An ayurvedic burn ointment comprising of Ral (yellow resin - Risina flena) and Sesame seeds oil (Sesamum).

2. The ayurvedic composition according to Claim 1, in which the said Ral is preferably 85-90 % by weight.

3. The ayurvedic composition according to Claim 1 in which the said Sesame seeds oil is preferably 10-15% by weight.

4. The ayurvedic composition according to Claim 1, having peaks obtained as shown in figure no.1 and 2, the Infrared spectrum and Mass Spectroscopy .

5. A process of producing ayurvedic composition for burn treatment comprising the following steps:

i. 85-90 % Ral powder (yellow resin – Risina flena) by weight, having particles size 50-100mm, is taken.

ii. Whip together this powder and Sesame oil (Sesamum)10-15%by weight to combine.

iii. In a mixture, pulse together both ingredients until grind.

iv. The mixture is then heated at 110°-120° centigrade temperature for 10 minute in an iron vessel until a black sticky paste is obtained.

v. Cool up to room temperature then pour cold water .

vi. Beat in the paste until brown color disappears.

vii. Finally, a brown colored, thick viscous paste is obtained.

viii. It is insoluble in water, slightly soluble in chloroform.

(1) (2) (3)

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22 OCT 2013

COMPLETE SPECIFICATION

TITLE

"An Ayurvedic composition for topical application in treatment of burns"

NAME OF INVENTOR

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PREAMBLE TO THE DESCRIPTION

The following specification particularly describes the nature of this invention and the manner in which it is to be performed.

FIELD OF INVENTION

This invention is based on an ayurvedic formulation which comprises two or more active ingredients for treatment of burns without leaving any scar mark.

PRIOR ART

More particularly this invention relates to an ayurvedic composition for treatment of burns which is not only free from any harm full effects or side

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effects but which gives very quick noticeable effect without leaving any scar mark within a very short period, that is just within 15-20 days of its two or three application (not to be removed in between) and depend on degree of the burn, further all the ingredients used are quite cheap and readily available in local markets.

Many burn ointments and creams are readily available in the market but mostly, these known products are chemical based, thereby having harmful effects or side effects as well as time taking to show the results. Most of them have been found totally un-effective or treats leaving scar mark. It has antibacterial and antifungal properties.

OBJECTS OF INVENTION

An object of the invention is to provide a burn ointment for treatment of first degree, deep partial thickness (Second degree) and third degree burns without leaving any scar mark.

Another object of the invention is to provide a burn ointment which is easy and convenient to apply on burn skin.

Another object of the invention is to provide a burn ointment which is economical.

Another object of the invention is to provide a burn ointment which is without side effects and is safe.

Another object of the invention is to provide a process of preparing a burn ointment for treatment of first degree, deep partial thickness (Second degree) and third degree burns without leaving any scar mark.

Another object of the invention is to provide a process of preparing a burn ointment which is easy and convenient to apply on wounds.

Another object of the invention is to provide a process of preparing a burn ointment which is economical.

Another object of the invention is to provide a process of preparing a burn ointment which is without side effects and is safe.

Another object of the invention is to provide a process of preparing a burn ointment which is simple, easy and convenient to carry out.

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Another object of the invention is to provide a method of treatment of burns by applying topically the above burn ointment.

Another object of the invention is to provide a burn ointment which show its effect on one application in first degree burn.

Another object of the invention is to provide a burn ointment which has antibacterial and antifungal properties.

DESCRIPTION OF THE INVENTION

(SUMMARY)

According to the invention there is provided a burn ointment comprising Ral (yellow resin - Risina flena) by weight of 85-90% and Sesame seeds oil (Sesamum) by weight of 10-15%.

According to the invention there is also provided a process of preparing burn ointment comprising the steps of-

i. 85-90% Ral powder by weight, having particles size up to 50-100mm, is taken.

ii. Whip together this powder and 10-15% Sesame oil by weight to combine.

iii. In a mixture, pulse together both ingredients until grind.

iv. The mixture is then heated at 110°-120° centigrade temperature for 10 minutes in an iron vessel or clay pot until a black sticky paste is obtained.

v. Cool up to room temperature then pour cold water.

vi. Beat in the paste until yellow brown color disappears.

vii. Finally, a yellow brown colored, thick sticky, astringent taste paste is obtained

viii. It is insoluble in water, slightly soluble in chloroform.

According to the invention there is also provided a method of treatment of burns by applying topically the burn ointment described above.

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The nature of product invented will become more clear from the following Infrared Spectra and Mass Spectroscopy experiments.

This infrared spectra interpretation of ointment, involving the correlation of absorption bands, is shown in the figure 1.The spectrum band shows peak at wave numbers 3445.18 cm-1 (Alcohol and Phenol), 2926.51cm-1, 2855.07 cm-1 stretch (Carboxylic acid), 2360.07cm-1 (Si-H) , 1743.08 cm-1 (Ester), 1691.13cm-1 ,1632.80cm-1 (Amides), 1461.61cm-1,1383.28cm-1 scissoring and bending (Alkanes), 1260.09(N-O), 1164.98cm-1(P=O), 1094.72cm-1,1045.43cm-1 strong bands (Si-OR), 799.68cm-1,720.88cm-1 bend (S-OR) .
(Given on Page no. 8)

Figure 2 is showing Mass Spectroscopy of chemical components in burn ointment fraction. Peaks are shown at 275.14, 377.2553, 507.2584, 641.4900, 710.2766, of target compounds.
(Given on Page no. 9)

The following examples are given by way of illustration of the present invention and should not be construed to limit the scope of present invention.

Example 1.

For preparing a batch of 1200 gm :- A powder of 1 Kg Ral powder, having particles size 50-100mm, is taken. Whip together this powder and 90-100 gm Sesame oil to combine. In a mixture, pulse together both ingredients until grind. The mixture is then heated at 110°-120° centigrade temperature for 10 minute in an iron vessel until a black sticky paste is obtained. It is cooled up to room temperature then pour 300-500gm cold water in the paste, beat in the paste until brown colour disappear. Finally, a yellowish brown colored, thick sticky astringent taste paste is obtained.

Example - 2.

For preparing a batch of 120 gm :- A powder of 100 gm Ral powder, having particles size 50-100mm, is taken. Whip together this powder and 9-10 gm Sesame oil to combine. In a mixture, pulse together both ingredients until

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grind. The mixture is then heated at 110°-120° centigrade temperature for 10 minute in an iron vessel until a black sticky paste is obtained. It is cooled up to room temperature then pour 30-50gm cold water in the paste, beat in the paste until brown colour disappear. Finally, a yellowish brown colored, thick sticky , astringent taste paste is obtained.

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CLAIMS

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3. The ayurvedic composition according to Claim 1 in which the said Sesame seeds oil is preferably 10-15% by weight.

4. The ayurvedic composition according to Claim 1, having peaks obtained as shown in figure no.1 and 2, the Infrared spectrum and Mass Spectroscopy .

5. A process of producing ayurvedic composition for burn treatment comprising the following steps:

i. 85-90 % Ral powder (yellow resin – Risina flena) by weight, having particles size 50-100mm, is taken.

ii. Whip together this powder and Sesame oil (Sesamum)10-15%by weight to combine.

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