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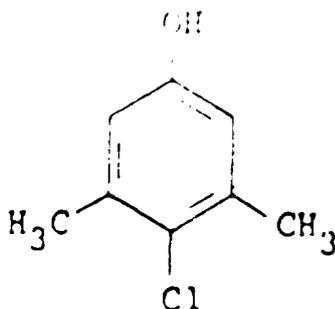
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(54) Title: INSECT REPELLANT CONTAINING CITRONELLA AND CHLOROXYLENOL

(57) Abstract:

An insect repellent, in particular for mosquitos, comprising citronella and chloroxylenol. A particular effective preparation consists of 50% by volume of citronella oil, 5% by volume oil of citronella and 45% by volume of emulsifier. Odour enhancing compounds can be added. An effective method of repelling mosquitos consists in simply open to the atmosphere in a room a container containing the above mixture.



AP 244

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FIELD OF THE INVENTION

This invention relates to an insect repellent and, more particularly, but not exclusively, a mosquito repellent.

BACKGROUND TO THE INVENTION

Generally used as insect repellents are dibutylphthlate, dimethylphelate and diethyltoluamide.

However, preparations containing these compounds, particularly when employed as mosquito repellents, have to be applied to the skin, clothing or bedding of a person, in order to be effective. This is often distasteful to such person.

Other means of repelling mosquitos may be employed such as electrically heated pads which vaporise active ingredients contained in an absorbent mat, sonic devices or compounds which are ignited and burnt. Use of these methods is not always convenient or practical.

Citronella has been used as an insect repellent, or a constituent of insect repellent preparations, but it has been regarded as less effective than the abovementioned compounds, and is not generally employed for such repellent purposes.

Chloroxylenol has, as far as applicant is aware, never been employed for insect repellent purposes and its usage is generally confined to that of an antiseptic.

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It is the object of this invention to provide an insect repellent preparation which may be more easily rendered effective than some of the methods mentioned above and which does not need to be applied to the body, bedding or clothing of a person using same.

SUMMARY OF THE INVENTION

It has now surprisingly been found that a mixture of citronella and chloroxylenol provides extremely good insect repellent, in particular mosquito repellent, properties.

Accordingly the invention provides an insect repellent preparation comprising, in admixture, citronella and chloroxylenol, together with any required additives or the like.

Further features of the invention provide for the preparation to comprise from 3% to 5% by volume of citronella oil, from 45% to 55% by volume chloroxylenol and emulsifiers, odour enhancing compounds or other diluants or additives.

A particular preparation which has been found to be effective is one containing 50% by volume chloroxylenol, 5% by volume oil of citronella and 45% by volume emulsifiers.

A mixture of this type has been found effective in repelling mosquitos, in particular, when a container thereof is simply open to the atmosphere in a room.

Clearly the proportions of the ingredients can be varied widely as can the emulsifier content. Also odour enhancing compounds can be added as required.

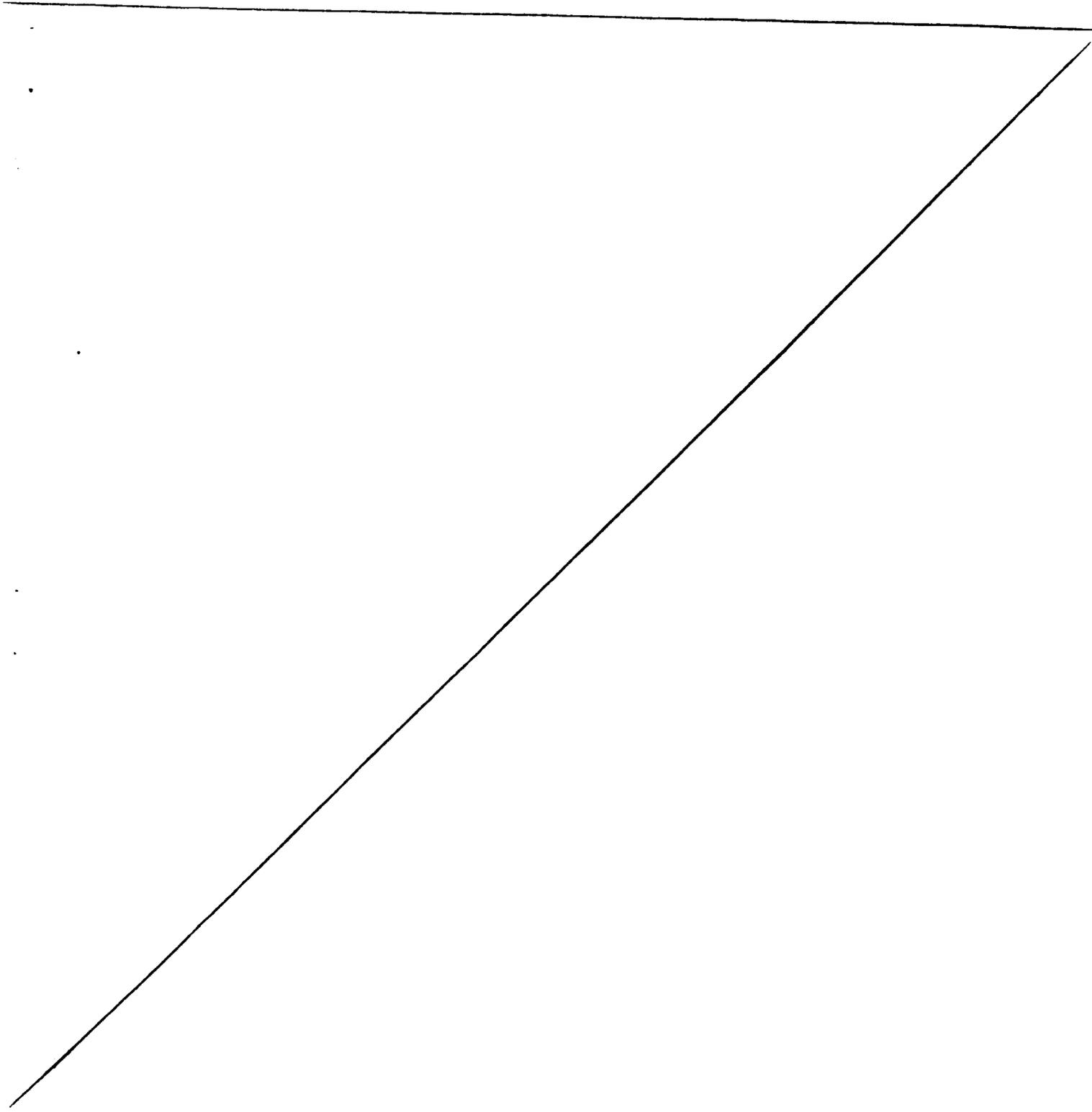
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The invention therefore provides a useful and highly effective insect, in particular, mosquito repellent, which does not require that a preparation be applied to a person's skin, clothing or bedding.



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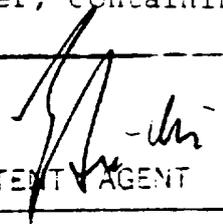
HAVING NOW PARTICULARLY DESCRIBED AND ASCERTAINED  
BY/OUR SAID INVENTION AND IN WHAT MANNER THE SAME IS  
TO BE PERFORMED. I/WE DECLARE THAT I/WE CLAIM IS:-

- 5 -

C L A I M S

1. An insect repellent characterized that it consists of a mixture which comprises citronella and chloroxylenol ( $C_8H_9ClO$ ).
2. An insect repellent according to claim 1 in which the mixture contains 3% to 5% by volume oil of citronella, and from 45% to 55% by volume chloroxylenol ( $C_8H_9ClO$ ).
3. An insect repellent according to claims 1 and 2 characterized that it is composed of 50% by volume of chloroxylenol, 5% by volume oil of citronella and 45% by volume emulsifier.
4. A method of repelling insects in particular mosquitos by simply opening to the atmosphere in a room a container, containing insect repellent according to claims 1 to 3.

DATED THIS 15 DAY of AUGUST 1991.

  
PATENT AGENT

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