

UNITED STATES PATENT OFFICE

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DEODORANT

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5 Claims. (Cl. 167-34)

The present invention relates to a new deodorizing agent which while of general application is particularly adapted for use in connection with sanitary napkins.

It has been proposed to apply a deodorant in the form of a dust to sanitary napkins but this has the disadvantage inherent in the handling of a finely powdered substance, and is liable to sift out of the articles during storage and handling. In the present invention these above mentioned disadvantages are avoided while providing a deodorant which per se is of high efficacy. It is a feature of my invention that the deodorant is applied in liquid form and contains a substance acting as a binder, and preferably at the same time having slight hygroscopic properties which promote the action of the deodorant.

The invention is best exemplified in the following formula:

Water	9½ gallons
Starch	4 pounds
Glycerine	2 quarts
Zinc sulphocarbonate	20 pounds

In lieu of starch other material having similar action such as gum tragacanth, etc., may be substituted. Furthermore, while the above mentioned proportions are preferred, they are not critical and may be varied considerably. The starch constitutes a vehicle and binder for the composition while the glycerine increases the hygroscopicity thereof and acts as an emollient.

In applying the above mixture, it may be

sprayed upon or otherwise incorporated in the material constituting the napkins which may be of non-laminated type composed of finely divided wood pulp. Preferably, however, the mixture is applied by impregnating a strip of gauze forming a middle layer of the napkin as disclosed in the application of Harrison R. Williams, Serial No. 354,074, filed April 10, 1929.

I claim:

1. A sanitary napkin having impregnated therein a deodorant comprising glycerine, zinc sulphocarbonate and starch.

2. A deodorant suitable as a liquid spray comprising in an aqueous vehicle zinc sulphocarbonate as an active agent, starch as a binder and glycerine as a hygroscopic agent.

3. A deodorant containing the following ingredients in substantially the proportions named:

Water	9½ gallons
Starch	4 pounds
Glycerine	2 quarts
Zinc sulphocarbonate	20 pounds

4. A sanitary napkin having a central gauze layer impregnated, by means of a liquid vehicle, with a deodorant comprising zinc sulphocarbonate and a binder.

5. A sanitary napkin having a central gauze layer impregnated, by means of a liquid vehicle, with a deodorant comprising zinc sulphocarbonate and a binder having a highly absorbent and slight hygroscopic properties.

MAX CLINE.