ADHESIVE BANDAGE AND WRAPPER THEREFOR
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3 Claims. (Cl. 128—156)

This application is a continuation-in-part of my co-pending application Serial No. 92,884, filed March 2, 1961, now abandoned.

This invention relates to bandages and more particularly to adhesives bandages in package form.

An object is to provide a bandage of the above type having novel and improved characteristics.

Another object is to provide such a bandage which does not fray or form loose ends which could contaminate the wound during use.

Various other objects and advantages will be apparent as the nature of the invention is more fully disclosed.

In accordance with the present invention the bandage is composed of a pad consisting of an absorptive filler enclosed in a cover of treated gauze such as gauze impregnated with a natural or synthetic latex. The ends of the cover may extend slightly beyond the filler and are bonded by applying pressure to the end portions of the cover.

This bonding of the ends prevents the gauze from raveling or forming loose ends during use.

The pad is laid on a backing strip having a pressure sensitive adhesive on its upper surface. A removable protective cover strip is laid over the pad and over the exposed adhesive surface of the backing strip to protect the latter until the bandage is to be used.

The entire bandage is then enclosed in a wrapper of waxed paper, glassine, or the like, containing a tear cord which is folded over and sealed across its ends by a heat sealing adhesive and along the side edge by a solvent adhesive. The use of the solvent adhesive along the side of the wrapper avoids the application of heat or pressure to the wrapper in the area of the bandage. The nature of the invention will be better understood from the following description, taken in connection with the accompanying drawings in which a specific embodiment has been set forth for purposes of illustration.

In the drawings:

FIG. 1 is a perspective view of the pad before the cover has been completely folded;
FIG. 2 is a similar perspective view of the pad showing the cover folded;
FIG. 3 is a perspective view illustrating the step of pressure sealing the ends of the cover;
FIG. 4 is a perspective view showing the pad in place on an adhesive strip;
FIG. 5 is a similar perspective view showing the cover strip in place;
FIG. 6 is a perspective view of the wrapper in partly folded position;
FIG. 7 is a similar perspective view showing the bandage and wrapper with the wrapper partially folded;
FIG. 8 is a similar perspective view showing the folded package with parts broken away for clarity;
FIG. 9 is a longitudinal sectional view of the packaging taken on the line 9-9 of FIG. 8 but on a larger scale;
FIG. 10 is a transverse section through the package illustrating a further embodiment of the invention;
FIG. 11 is a transverse section illustrating another embodiment of the invention;
FIG. 12 is a longitudinal section through the pad illustrating a further embodiment of the invention;
FIG. 13 is a transverse section through a package similar to FIG. 10 illustrating a further embodiment of the invention; and
FIG. 14 is a partial longitudinal section through the package of FIG. 13.

Referring to FIGS. 1 to 10 a pad 13 is shown as comprising a filler 10 of folded gauze strips or of cotton or other absorbent material. The filler 10 is covered by a folded strip of gauze 11 which has been impregnated with a pressure sensitive bonding agent such as natural or synthetic latex.

The ends 12 of the cover 11 may extend beyond the filler 10 and are bonded by the application of a suitable pressure for causing the impregnant to bond the two layers together as illustrated in FIG. 3.

The surface of the pad which comes in contact with the wound to be protected thus contains no loose ends and cannot ravel. This pad 13 is laid upon a backing strip 14 of fabric or of a synthetic material such as polyvinyl-chloride having an adhesive coating 15 on its upper surface as shown in FIG. 4. The pad is covered by a cover strip 16 of paper which is folded in two parts having interleaved V-shaped notches 18 forming tabs 17 on each of the parts which are overlapped for forming a complete closure and also to provide a finger grip for opening and stripping the parts from the pad when the bandage is to be used.

The entire bandage is then enclosed in a folded wrapper 20 (FIG. 5) having a bottom panel 21, and overlapping top panels 22 and 23 folded to provide a side edge 24 which is sealed by a solvent adhesive. The wrapper 20 may be provided with a tear cord 26 to facilitate the removal of the bandage. The ends of the wrapper 20 extend beyond the bandage and are sealed by a heat and pressure sensitive adhesive extending in strips 28 across each end of the wrapper. In order to facilitate the bonding of the tear cord to the ends of the wrapper the tear cord is impregnated with the heat and pressure sensitive adhesive which is applied to the strips 28. When heat and pressure are then applied to the strips 28 for sealing the ends of the wrapper the adhesive in the tear cords becomes firmly bonded to the adhesive on the wrapper so that the tear cord is permanently secured at the ends to the heat sealed ends of the wrapper. Thereafter when the wrapper is to be removed the heat sealed ends 28 are torn from the ends of the wrapper providing a grip for the ends of the tear cord which are firmly bonded to these strips by the heat sensitive adhesive. FIG. 11 illustrates an embodiment wherein the folded filler 10 of FIG. 1 is replaced by a loose packing 30 of absorbent material such as cotton.

In the embodiment of FIG. 12 the filler 10 extends to the ends of the gauze 11 and the filler and outer gauze are bonded together by the sealing pressure which causes the impregnant in the cover 11 to pass through and seal the superposed layers.

What is claimed is:

1. A bandage comprising a pad having a top side and a bottom side, said pad comprising a filler of absorbent material and a gauze strip impregnated with a pressure sensitive binding material enclosing said filler, said gauze strip being folded around said filler to form top and bot-
3. A bandage as set forth in claim 1 in which a corrugated spacing member is disposed within said cover and between said cover and said filler.

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