

PATENT APPLICATION OF

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FOR

SEALED CONTAINER

BACKGROUND-FIELD OF INVENTION

The present invention relates to a sealed container. More specifically, the present invention relates to a sealed container that may be used as the body of a cotton swab.

BACKGROUND-DESCRIPTION OF RELATED ART

Containers that enclose fluids to be stored and transported are often inconvenient to use and most requires an applicator or other tools to extract the fluid. Storage of fluids such as solvents and alcohol present a special consideration due to the evaporation of the fluids. Various designs exist for various applications. Containers may be as large as a tank for storing liquids such as water. Containers may also be as small as bottles for perfumes or smaller. Containers may also be made of various suitable materials for any particular environment and liquid.

The present invention is a small elongated sealed container that can be used as the body of a cotton swab and also for storing fluids wherein the fluid in the sealed container may be released into the cottons attached to the ends of the cotton swab when desired. The sealed container of the present invention is particularly suited for the storage of solvents, alcohol, and other fluids that evaporates easily.

SUMMARY OF THE INVENTION

The present invention is a sealed container that stores fluid in a sealed environment and is easily transportable. The contents of the sealed container can be easily extracted completely without any tools or contact with the user. The sealed container can be used as the body of a cotton swab and also for storing fluids wherein the fluid in the sealed container may be released into the cottons attached to the ends of the cotton swab when desired.

The sealed container of the present invention is an elongated sealed container with one or more opening means near its ends. The sealed container is divided into two compartments that allow fluid to move between them. The sealed container may be used for storage of fluids such as solvents and alcohol without evaporation of the fluid.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 shows the preferred embodiment of the sealed container with two opening means in the form of scores on the sealed container with an elongated tube that is open at both ends and is smaller in diameter and shorter in length than the sealed container inserted into the sealed container separating the sealed container into two cylindrical compartments.

Figure 2 shows another embodiment of the sealed container with two opening means in the form of scores on the sealed container with a divider separating the sealed container into two compartments.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Figure 1 shows the preferred embodiment of the sealed container. The sealed container has an elongated housing 1 with two ends that are sealed. An opening means 2 in the form of a score on the sealed container is located near each of the two ends. An elongated tube 3 that is open at both ends and is smaller in diameter and shorter in length than the elongated housing 1 is inserted into the elongated housing 1 separating the elongated housing 1 into two cylindrical compartments. A fluid 4 is sealed within the elongated housing 1 until released through the opening means 2. In the preferred embodiment, a cotton ball 5 is attached to the ends of the sealed container enclosing the opening means 2 to absorb the fluid 4 when it is released from the sealed container.

Figure 2 shows another embodiment of the sealed container wherein the elongated housing 1 is divided into two compartments by a divider 6 that span across the width of the elongated housing 1 and is shorter than the length of the elongated housing 1 and which allows the movement of fluids 4 between the two compartments within the elongated housing 1 at both ends of the elongated housing 1.

The sealed container of the present invention allows a fluid 4 that evaporates easily, such as solvents and alcohol, to be stored in a sealed environment to prevent evaporation. The fluid 4 may be released easily through either one of the opening means 2 by simply breaking open the end at the scoring to allow the fluid 4 to flow into the cotton ball 5. Without the two

compartment design of the present invention, the fluid 4 within the sealed container will not be released from the sealed container due to the small diameter of the sealed container and the resulting capillary action and atmospheric pressure, which will prevent the exit of the fluids 4 from the sealed container.

Although the description above contains many specificities, these should not be construed as limiting the scope of the invention but as merely providing illustrations of some of the presently preferred embodiments of this invention. Thus the scope of the invention should be determined by the appended claims and their legal equivalents, rather than by the examples given.

CLAIMS

1. A sealed container comprising
a sealed elongated housing with one or more opening means;
and
a divider separating the sealed elongated housing into a
plurality of compartments, allowing free flowing of fluids
between the compartments,
characterized in that in that the opening is covered with
an absorbent material and the divider is an elongated tube,
opening at both the ends of the tube, having a diameter and
length smaller than that of the sealed elongated housing, and the
elongated tube is inserted into the sealed elongated housing to
separate the sealed elongated housing into two cylindrical
compartments.
2. The sealed container of claim 1, wherein the absorbent
material includes a ball of cotton or a sponge.
3. The sealed container of claim 1, wherein the opening means
is a scoring which is breakable to release fluid contained in the
sealed elongated housing.
4. The sealed container of claim 2, wherein the opening means
is a scoring which is breakable to release fluid contained in the
sealed elongated housing.

SEALED CONTAINER

ABSTRACT

A sealed container is disclosed that stores fluid 4 in a sealed environment that can be easily released. The sealed container can be used as the body of a cotton swab and also for storing fluids 4 wherein the fluid 4 in the sealed container may be released into the cotton balls 5 attached to the ends of the cotton swab when desired. The sealed container is an elongated sealed container 1 with one or more opening means 2 near its ends. The sealed container is divided into two compartments that allow fluid 4 to move between them and may be used for the storage of evaporative fluids 4 such as solvents and alcohol without evaporation of the fluid 4.

(FIG. 1)