

Reusable sanitary napkin

Country of origin | India

Primary function | Prevention

Health problem addressed

During menstruation period, 90% of women face yeast infection (candida) which will be uncomfortable during these days. This reusable sanitary napkin has an permanent anti-microbial bonding which will prevent and act as a barrier for any microbial infection.

According to India Environment Portal, globally 432 millions pads are disposed every month. This can be a problem in refugee camps also.

Disease addressed

The technology does not address a specific disease.

Product information

The sanitary napkin is designed for infection-free menstruation. It has a permanent anti-microbial shield, formed by a long molecular chain of carbon atoms with a positively charged nitrogen attached to a silica molecule that is covalently bonded to the fabric. Pathogens, which are negatively charged, come in contact with the positively charged molecular chain and undergo lysis. This mechanism provides continuous defense, achieving anti-microbial activity, and does not deplete over washes.



Use and maintenance

User: Self-use/patient, untrained individual, women.

Environment of use

Setting: Rural settings, urban settings, at home, refugee camps.

Commercial information

Reference price (USD): 1

Model: Safepad