

Deosent | Perspiration is a normal human process that regulates body temperature. People naturally sweat throughout the day, even when not exposed to high temperatures. Certain parts of the body are more prone to sweat than others, but what most people don't know, sweat is actually odorless. Sweat contains a natural organic compound known as urea. When the body perspires it releases the enzyme urease which breaks down urea. This urea–urease interaction produces the unpleasant odor associated with sweat. As this process takes place, skin pH increases as well as skin permeability and bacterial activity, which can lead to irritation.



Deosent is a natural, safe and effective solution to odor control based on fermentation technology.

A water-soluble liquid derived from vegetable feedstock, **Deosent** helps eliminate malodors caused by human perspiration.

The enzymes present in **Deosent** provide bioconversion of a wide range of malodorous substances and is effective on amines, mercaptans, esters, aldehydes, thios and alcohols.

Substantiation

Lab tests were conducted to evaluate **Deosent's** effectiveness in reducing odors associated with personal hygiene applications. Using a synthesized odor mixture, the tests included spraying the odor onto two odor-free tests pads and spraying one of the pads with **Deosent**. Odor intensity, character and hedonic tone (degree of pleasantness) were evaluated.

Based on observations made after the application of **Deosent**, a 55% reduction in odor intensity and 5 scale unit improvement in hedonic tone were observed.



Product Advantages

Deosent offers many advantages to personal care formulations, including:

- *Wide Spectrum of Odor Reduction Effectiveness*
- *Natural Ingredients*
- *Mild and Non-Toxic*
- *Environmentally Friendly*
- *Water Soluble*
- *Light Color*

Applications

Deosent's odor-combating activity allows it to be incorporated into many applications, including:

- *Underarm Deodorant*
- *Baby Care*
- *Foot Care*
- *Feminine Hygiene*
- *Liquid and Bar Soaps*
- *Cosmetic Base Odor Neutralization*
- *Depilatories*

Recommended Use Level

Deosent is recommended for use at 5%