

IMAGINE HOW YOU  
CAN PERFORM  
WITH DEVAN'S

# BI-OME NATURAL

## Natural antimicrobial - Linseed oil

### MICROBIAL GROWTH

Textiles are prone to microbial growth due to the abundance of sweat, moisture, humidity, warmth, dirt, dead skin cells or fibres. This often results in bad odours and can create discomfort.

BI-OME® Natural is a new, bio-based, non-harmful odour control technology which guarantees an optimal freshness and hygiene for all kinds of textiles, from socks & underwear to mattresses & pillows.



### NATURAL APPROACH

A drive towards the use of more sustainable products has led to the introduction of alternative solutions to address this discomfort.

Many plants and flowers produce antimicrobial chemicals as a defence mechanism towards threats like bacteria, fungi and moulds. More and more natural antimicrobials are used in food and cosmetics as a preservative. These plant-based, natural, biocidal ingredients gave us inspiration to develop a new range of Odour Control Technology products.

### ACTIVE INGREDIENT

The active ingredient is linseed oil, which is derived from the seeds of the flax plant. Belgium and Europe have a long history with flax crops.

Did you know that flax is one of the most sustainable plants in the world? Flax has a high CO<sub>2</sub> absorption. It needs very little water to grow and due to the many applications for the different parts of the plant, there is little to no waste.

From the seeds we can obtain the linseed oil, which has a number of uses: as food additive, paint component and as an antimicrobial agent.



### APPLICATIONS

Apparel, Sportswear, Work wear, Socks, Underwear, Bedding, Bed sheets, Pillow covers, Towels, Curtains, Public transport, ...

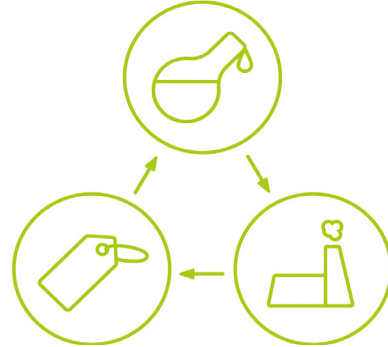
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### SUPPORT & SERVICE

Our technical staff and agents offer support through the installation of the BI-OME® Natural processes in mills all over the world. As soon as the production is up and running, our in-house labs will check if the product quality meets all required specifications.

To top it off, Devan helps you to introduce this technology to the market. We offer ready-to-use and inspiring marketing tools. In addition we assist you to ensure that claims on your packaging meet the legal requirements.



### APPLICATION METHODS

- Spraying on the fabric (closed environment)
- As an additive in the last rinsing bath
- Padding on the fabric

### ADVANTAGES

- 100% Natural, renewable ingredient
- Active against microorganisms
- Prevents odour formation
- Wash durable
- Sustainable - Recyclable
- Organic - GMO free - Halal - Kosher
- BPR, TK BPR
- EPA registration ongoing