# *MB ActiveCleaner*

Microbiological sanitary cleaner and odour remover

URIMAT
Swiss quality – since 1998.

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## Microbiological sanitary cleaner and odour remover

MB Active Cleaner is a special microbiological cleaning agent for cleaning and removing odours. It is highly concentrated and is extremely economical thanks to its concentrated usage. Specially designed for use in sanitary facilities, it removes odours effectively.

- Toilets and sanitary facilities
- Washrooms and shower rooms
- Building facades, throughways and stairwells
- Rubbish containers
- Rubbish collection stations
- Flooring of all types

Regular use helps to neutralise odours and prevents the development of new odours.

Application
Dilute concentrate 1:20 with water

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**Content in accordance with Regulation (EC) No. 648/2004/EC**
< 5 % anionic surfactants, non-anionic surfactants, scents

**Packing units**
1-litre bottle
10-litre can

**Combo-pack**
3x1 litre concentrate + spray bottle (empty)

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## Bacterial spores

**What are spores?**

MB Active Cleaner contains microbiological bacterial spores which prevent unpleasant odours from developing in the washroom.

In biology, the word spore refers to the developmental stage of a living being which serves to reproduce, spread, survive or serve several of these purposes at the same time.

Spore (endospores) are also formed by bacteria. They are very resilient and can adjust their entire metabolism so that they do not need oxygen, water or nutrients to survive.

Under certain environmental conditions, these endospores can develop back into active developmental stages of the bacteria.

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## Bacterial spores

**How are spores technically produced?**

Bacteria can be produced in bioreactors (fermenters), where, by controlling and optimising the reaction conditions, cultivated organisms produce the desired bacteria. Bacterial spores are ‘produced’ by removing oxygen, water and nutrients.

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## Bacterial spores

**Are bacteria dangerous?**

No. Section 3 of the Ordinance on Biological Agents in relation to risk groups for biological agents states that ‘Biological agents are divided into four risk groups according to the risk of infection they pose.”

Risk group 1 is defined as ‘Biological agents that are unlikely to cause illness to humans.’

**The bacteria and spores used in MB Active Cleaner fall under risk group 1, meaning that they are not dangerous and thus are not subject to mandatory labelling.**

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## Bacterial spores

**How are useful bacteria created from spores?**

By creating an optimal environment for the different spores, i.e. providing nutrients in combination with oxygen and water, the bacteria are reactivated.

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## Bacterial spores

**Why are the formation of odours inhibited or prevented through the use of bacterial spores?**

Unpleasant odours are formed through the decomposition of organic materials (urine, fats, etc). These materials serve as food for the bacteria used in the MB Active Cleaner and are thus eliminated before the unpleasant odours form. Thus the bacterial spores in the MB Active Cleaner have a preventative effect.

Note, these bacterial spores do not have an antimicrobial or disinfecting effect.

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