

BIO-STAR™ Fraîcheur

Odor controller and deep cleaner

Bio-STAR™ Fraîcheur is a ready-to-use product designed specifically to eliminate bad odors in domestic, institutional, and industrial environments. Its active agents, derived from the latest technological developments in odor control, combine the rapid reactions of chemistry with the long-term benefits of natural bacteria.

The chemistry of odors

Odors are perceived because of the interaction of odor molecules with the odor receptors in the nose. To cause an odor, a compound must therefore be volatile to get to the nose and have the necessary chemical elements to stimulate the olfactory receptors. Historically, bad odor control has been done through the application of perfumes and masking products. This approach, far from eliminating the intruder, only added a less offensive smell to mask the bad one.

Bio-STAR™ Fraîcheur technology consists of capturing and destroying bad odors instead of masking them. Indeed, a revolutionary biochemical formulation binds the responsible molecule which is subsequently attacked and degraded by a bacterial consortium into cellular compounds and carbon dioxide. This chemistry-microbiology combination makes **Bio-STAR™ Fraîcheur** a powerful, safe and healthy product for the environment.

APPLICATIONS:

- Carpet stain and odor eliminator
- Upholstery stain and odor eliminator
- Garbage container
- Bathrooms
- Garage and basement
- Fitness facilities
- Pet containment areas
- Laundry rooms
- Loading docks
- Out house toilet
- Manure pits and equipment

BENEFITS:

- Destroys rapidly bad odors.
- Cleans deeply.
- Degrades organic stains and residues.
- Possesses stain remover agents.

BIO-STAR™ Fraîcheur

CHARACTERISTICS:

Bacterial count	5.4 x 10 ⁷ cfu/ml
Bacteria Type	A consortium of Bacillus
Biological pathways	Aerobic and facultative anaerobic
Pathogenic bacteria	Salmonella/Shigella free
pH range	7.5 – 8.5
Temperature range	3°C - 63°C
Appearance	Slightly cloudy liquid
Odor	Lightly scented
Stability	2 years between (2° - 35°C)

Bio-STAR™ Fraîcheur effectively controls all categories of malodorous compounds.

Compound category	Type	Reduction VS control
Hydrogen sulfide	Sulfide	92%
Ammonia	Ammonia	46%
Dimethylamine	Amine	46%
Trimethylamine	Amine	49%

Important notice

Bacteria contained in Bio-STAR™ Fraîcheur are of natural origin present in the soil and water. They were selected for their enzymatic abilities to use the organic matter as their food source. These bacterial strains were not genetically manipulated. They are harmless for humans, animals, plants, and the environment.

STORAGE AND HANDLING

Store in a dry and cool place. Apply as direct spray, not as an atomizer.

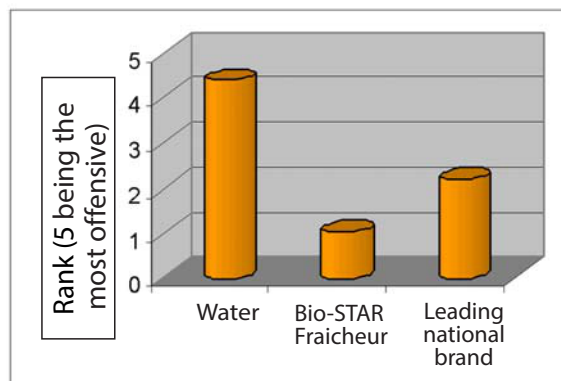


Figure 1. The results of an odor test panel clearly demonstrate that Bio-STAR Fraicheur™ controls the odors of volatile fatty acids (butyric acid). This type of smell is like sweating, waste and odors associated with anaerobic environments.

First-Aid Measures

In case of contact with eyes rinse immediately with water for 15 minutes. For skin contact, wash with soap and water. If irritation develops consult a doctor. If ingested, do not induce vomiting and then drink water. Consult a physician.