



Bio-Circle Surface Technology GmbH

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Dear Ladies and Gentlemen,

The microorganisms in the cleaner are natural, customized rod-shaped bacteria of the species Bacillus that belong to risk group 1 in accordance with the directive 2000/54/EC on biological agents. In the cleaner are about 1,5*10⁷ cfu/ml. The directive on biological substances is a decree pertaining to the Occupational Health and Safety Act and governs occupational activities involving biological agents. It categorizes biological agents in four risk groups that lead to according protection levels. The categorization of biological agents depends on the risk of infection. The lowest risk group is group 1. Biological agents belonging to this group do not represent any hazard to humans or the environment.

The microorganisms used are gram-positive. The cell membrane of these microorganisms mainly consists of peptidoglycan and has no outer cell membrane. Therefore, these microorganisms, unlike gram-negative bacteria, cannot generate any endotoxins that might cause septic shock.

The used microorganisms are applied in the aquaculture, veterinary area and soil remediation. A strain of the microorganisms applied is used in Japan for the production of natto, and in Korea for the production of cheongukjang, both traditional food made from soybeans.

Please feel free to contact us if you have further queries.

Information on the Bio-Circle Liquid microorganisms

Best regards

Sebastian Ehle

Bio-Circle Surface Technology GmbH

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