

Summarized product documentation - **Sanogene®**

Sanogene® is the most powerful disinfectant available today. No known micro-organisms are resistant to its very fast acting oxidizing effect.

Sanogene® is a stabilized Chlorine Dioxide (ClO₂), which before use normally is activated by an acid. This destabilises the product into its active form. It is classified as an oxidant.

Sanogene® is safe for humans and animals and both the unactivated concentrate, and the activated diluted solution that is used to eliminate microbes is classified as a mild irritant, which is the lowest degree of caution that is regulated by the EPA in the United States.

During activation with acid, small amounts of Chlorine and Chlorine Dioxide vapour will form, and to avoid irritation it is recommended that this be done in a closed container, or in a well-ventilated area. No protection is needed for normal use of the product, except if application is made with a fogging-device. The operator should wear appropriate breathing protection as well as protective glasses. Avoid letting animals or humans repopulate a treated area for the next thirty minutes.

Sanogene® is safe for the environment, as it breaks down to simple salts, like sodium chloride. Spills can be flushed down the drain except if it is very big.

Sanogene® concentrate has a guaranteed shelf life of two years from delivery. If properly stored in room temperature and protected from sunlight, no change in quality will appear within five years.

Sanogene® One portion sachet Sanogene® concentrate is activated by mixing it with citric acid from the activator sachet. Wait 5 minutes for the activation process, while the mixture turns deep yellow. Dilute with at least 1l of water to achieve a solution. Activated product has a shelf life of 14 days. If used as a bath it may have to be changed at least weekly depending on how challenging the objects that are being disinfected are. The pH-value of concentrate is about 8.2 and the diluted disinfectant has about 4,0.

Sanogene® is effective over a broad spectrum of concentrations. For disinfection of drinking water 0,5-1,0 ppm (add 1000l-500l water to one activated portion set of sanogene) is frequently used and this will take away Legionella-bacteriae and Rotavirus and eliminate the microbiological bio film that is present in all fluid-carrying systems.

Sanogene® dosage for food-industry applications range from 5-500ppm (add 100l-1l water to one activated portion set of sanogene)

Sanogene® for medicine, dentistry and veterinary applications is normally 500ppm (add 1l water to one activated portion set of sanogene)

Sanogene® is also one of the most effective substances available for elimination of odours. Instead of putting perfume to the air or object, the oxidizing effect of the product is breaking up chemical bonds of the substances that are causing the problems and thereby destroying the odours. This allows for sanitation in regard to smoke, animal odours, waste management, and many other applications.

Sanogene® is last but not least widely used in the disinfection of air-duct systems from bacterial, viruses and mould, that may cause people working or living in buildings to develop illness. Many US. Government buildings are frequently treated to prevent this to happen.

All of the statements above are available as complete research documentation and is available on request.

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