

GP-1130



Bacterial Treatment for the Oxidation of Nitrate Compounds

GP-1130 is a specially formulated microbial product which contains Nitrobacter species. **GP-1130** oxidizes the nitrite formed by the oxidation of ammonia to nitrate. This is the second stage of the process known as nitrification which occurs in aerobic biological wastewater treatment plants.



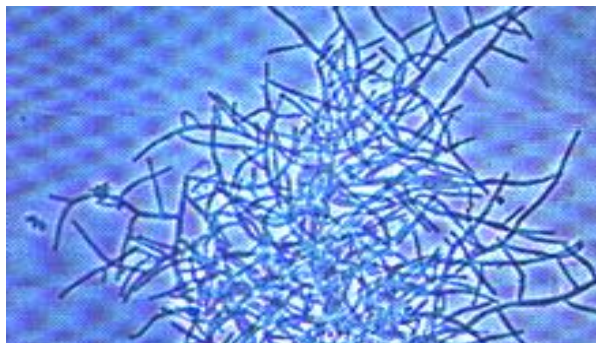
GP-1130 contains bacteria capable of carrying out the second stage of nitrification. These strains have been specially selected for their ability to efficiently oxidize nitrite to nitrate and are supplied with a stated activity.

In order to achieve a high activity the bacteria are selected on the basis of their performance. The product is stored at low temperatures to ensure that the quality is maintained and that an acceptable shelf life is attained.

Benefits of GP-1130

- Rapid re-establishment of the second stage of the nitrification process in newly commissioned or wastewater treatment plants which operate on a seasonal basis.
- Re-seeding of nitrifying organisms into wastewater treatment systems which have a reduced nitrification capability. By increasing the nitrifying population through the use of **GP-1130** the plant performance can be boosted and effluent standards maintained.
- The improvement of nitrite oxidation in aerobic wastewater treatment plants where a marginal sludge age prevents consistent nitrification. Nitrifying bacteria are slow growers compared to the other organisms in a wastewater treatment system. Therefore, when the biomass in a plant is stressed or where the sludge wastage is high and thus shortens the sludge age it is usually the nitrification activity which is lost first of all.
- The use of **GP-1130** introduces sufficient bacteria to maintain efficient removal of nitrite.

We take great pride in offering green, environmentally sustainable chemical solutions and as such all the products in the **GP** range are produced using **environmentally friendly** methods and are formulated to be **fully biodegradable**.



**Fully
Biodegradable
and
Environmentally
Friendly**

**TECHNICAL
SUPPORT**

We are happy to offer on-site technical support during all stages of production. Technical support includes on-site testing and results.

PRODUCT SAFETY

All our products are thoroughly researched and tested. All products are also COSHH registered and come complete with delivery.

For more information please contact us directly on

08456 432 900