

GP-1110



Bacterial Treatment for the Degradation of Aromatic Compounds

GP-1110 is a specially formulated microbial product capable of degrading a range of substituted aromatic compounds. Such compounds may, for instance, be halogenated or methylated.



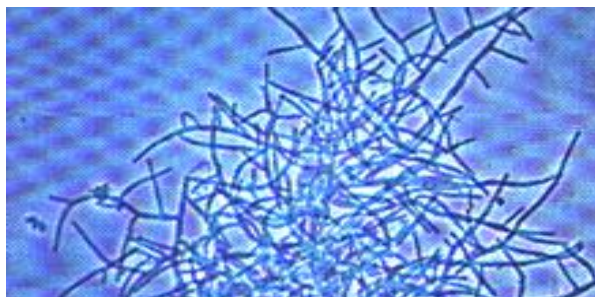
The **GP-1110** formulation consists of a wide range of micro-organisms. The members have a wide range of degradative capabilities with a high level of ring-disruption of aromatic compounds. This is important since the problems of degrading halogenated aromatic compounds are usually associated with the efficiency of the ring-cleavage enzymes in halocatechol transformation.

To assist in the initial stages of establishing biodegradation, when microbial numbers are relatively low and cell growth is at a maximum, low levels of surfactants are incorporated into the formulation to supplement the natural production of biosurfactants

Benefits of GP-1110

- Provide Seeding Cultures. **GP-1110** is ideally suited for the biological commissioning of newly constructed, seasonally operated or poorly performing aerobic wastewater treatment plants receiving wastewater containing complex and substituted organic compounds.
- Degrade AOX and TOX. **GP-1110** can be used to degrade total organic halides (TOX) and asorbable organic halides (AOX) present in the wastewaters produced by industries such as pulp and paper processing.
- Reduce Inhibition to Nitrification. **GP-1110** enhances the degradation of methylated compounds such as members of the methylaniline (toluidine) group.
- Degrade "Priority Pollutants". **GP-1110** will degrade chlorinated Environmental Protection Agency (EPA) priority pollutants in wastewater treatment plants or bioremediation sites needing to meet National Pollutant Discharge Elimination System (NPDES) permits.

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**.



For more information please contact us directly on

08456 432 900

**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.**