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Technical Information: Activated biochar



Chemical name : Activated biochar

Einecs-No. : 0

CAS-No. : 0

General informations : Biochar is porous and has a high specific surface area. Due to this high specific surface area, biochar can absorb up to five times its own weight in water and the nutrients dissolved in it.

Biochar prevents the leaching of both mineral and organic nutrients and, overall, ensures greater nutrient availability. Biochar also promotes the binding of heavy metal ions, thereby protecting soil flora and fauna.

The nutrients absorbed by the biochar enable microorganisms to find habitats in and around the biochar. This leads to microbial revitalization of the soil, which can benefit symbioses between microorganisms and plant roots.

Application : Activated biochar is used as a soil improver in agriculture and horticulture. Furthermore, activated biochar can be used as an additive in animal feed to improve feed quality and animal health.

Hazard Informations : The use in gardening, horticulture, and agriculture offers long-term benefits for soil, the environment, and the climate as well.

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