



Eco – Green Products

Caring for the Environment

(ISO 9001:2015 Certified Company)

DECOMP Denitrification

DECOMP Denitrification is a specially developed microbial culture designed for the biological denitrification of ammoniacal nitrogen in industrial effluents and condensates. Denitrification is one of the most effective biological processes for removing ammoniacal nitrogen. It typically follows nitrification, where ammoniacal nitrogen is first oxidized into nitrites and nitrates. Denitrification is the biological reduction of Nitrates (NO_3^-) into Nitrogen gas (N_2), which is then harmlessly released into the atmosphere.

Denitrification proceeds through a series of intermediate forms :- $\text{NO}_3 \rightarrow \text{NO}_2 \rightarrow \text{NO} \rightarrow \text{N}_2\text{O} \rightarrow \text{N}_2 \uparrow$

Benefits

- Efficiently converts nitrates to nitrogen gas.
- Reduces nitrogen-based pollution in treated water.
- Helps in reducing the foul odour of ammonia.
- Minimizes chemical dosing requirement
- Eco-friendly and easy-to-apply biological
- Enhances overall performance of ETP/CPU systems.

Application Area

- Anoxic Tank
- Holding Tank



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