BCT-LNSR

BCT-LNSR is a liquid blend of the nitrifying strains *Nitrosomonas* and *Nitrobacter*. The product is applicable to aerobic treatment systems and has successfully established nitrification in activated sludge, lagoon and retrofitted physical/chemical unit processes in municipalities, landfills, steel plants, refineries, food processors/renderers, chemical producers and Superfund sites. Successful applications normally include a review of solids retention time, dissolved oxygen, pH, carbonate-alkalinity, effluent BOD and the potential impact of inhibitory substrates. Where nitrification is inhibited by the presence of degradable BOD or inhibitory organics, programs targeted towards reducing the organics below inhibitory thresholds are normally recommended prior to or in combination with BCT-LNSR addition.

Features & Benefits

Nitrifying bacteria	Improves removal of ammonia and nitrogen compounds
Fast Acting	Reduce upset recovery times
Budget saver	Helps reduce municipal surcharges and fines for pre-treatment systems

Physical Data

Appearance and odor	Pinkish-brown heavily turbid liquid
Nitrite	<50mg/L

Operating Conditions

Bacteria in *BCT-LNSR* nitrifying products perform within a pH range of 6.5 - 9.0, with the optimum typically near 8.0. Wastewater temperature affects activity, with an approximate doubling in maximum growth rate for each 18°F (10°C) increase in temperature to an approximate upper limit of 104°F (40°C), unless otherwise indicated. Very low activity can be expected below 41°F (5°C).

Refrigerate concentrate upon receipt and throughout period of use. Do not freeze.

Caution

Avoid excessive skin contact with liquids. Wash hands thoroughly with warm, soapy water after contact. Avoid eye contact.

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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**[136].