

Nitrobe- Rx®

Microbial Ammonia Degradar

Primary Applications: Petroleum Refining, Chemical Processing, Petrochemical Processing, Food Processing, Landfill Leachate, various industrial wastewater processes and Municipal Wastewater Treatment

Benefits: Start-up, enhance or restore ammonia removal (nitrification)

Nitrobe-Rx® contains naturally occurring, novel, acclimated nitrifying microorganisms which biochemically oxidize (remove) ammonia in aerobic wastewater treatment plants. Nitrifying bacteria are notoriously subject to growth stresses and toxicity. Various inhibitory compounds, pH variability and water temperature stress can limit the activity of nitrifying bacteria. They require extended periods of time to grow making system ammonia removal recovery slow, therefore efficient ammonia removal suffers during the regeneration period. **Nitrobe-Rx®** provides an immediate source of nitrifying microbes where unaided natural nitrification cannot or will not occur in the necessary time-period.

Nitrobe-Rx® is also effective when applied in tandem with **ProKa 200/200C/200H**, **ProKa 300/300C/300H** or **ProKa 1900** for hydrocarbon and recalcitrant constituent bio-degradation in refineries, landfills and chemical plants or with **ProKa 500/500C** or **ProKa 400/400C** in municipal and food processing wastewater treatment plants, specifically if toxicity is confirmed or suspected.

SPECIFICATIONS

Product: Select, acclimated and concentrated ammonia oxidizing microbes
Form: Slurry-gel
Color: Brown to brown-red
Storage: **Nitrobe-Rx®** must be refrigerated at ($4^{\circ} \pm 2^{\circ}$ C). DO NOT FREEZE
Shelf Life: For best results, use product within three (3) months of receipt

Non-GMO and pathogen free bacterial product.



DIRECTIONS

Consult your 4G Environmental technical applications representative for a detailed application program. In many cases where inhibition or toxicity are present, **Nitrobe-Rx®** is best applied in tandem with other 4G microbial products.

SUGGESTED OPERATING CONDITIONS

pH	7.0-8.4
Temp.	15° - 40°C (59°-104°F)
D.O. ppm	> 0.5
o-PO4	1.0 mg/L minimum (filtered)

AVAILABILITY

Nitrobe-Rx® is available in 1.0-unit (70.0 gram) and 5.0-unit (350.0 gram) packs.

CAUTION

When handling wear appropriate hand protection. In the event of direct contact with the eyes or skin, flush the affected area with water. Refer to the SDS.

DISCLAIMER

There are no performance warranties expressed or implied via this information. 4G shall not be held liable for any damages that may result from the presence or application of the product described herein.

Nitrobe-Rx® is manufactured and distributed exclusively by 4G Environmental Corporation.