SUPER PHOS®

Enhancing Nature's Science

Product Characteristics

Available Phosphate (P_2O_5) 50.00%

Derived From:
Phosphoric Acid, Monoammonium Phosphate.

Physical Properties:
Form: Liquid
Appearance: Clear, light greenish amber color, having a slight characteristic odor.
Weight: 12.44 lb/gal, 1.40 kg/L
pH: ≤ 1.0
Freezing Point: < -30°F/-34.5°C)

Additional Contents:
Micro Carbon Technology®*

Caution:
Keep out of reach of children.
Harmful if swallowed. The vapors, mists, and liquid may cause severe irritation or burns to all tissues contacted.

Storage and Disposal:
Keep product in original container. Do not transfer into food or drink containers. Triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations.

Conditions of Sale:
The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, water conditions, and other factors are beyond the control of the seller.

The Solution for Maximum Phosphate Availability in Water

PROBIOTIC SOLUTIONS® SUPER PHOS® complexed with Micro Carbon Technology® is a liquid phosphate nutrient that is added into wastewater treatment systems to feed phosphorus-deficient microorganisms.

Benefits of Use:

- Improved phosphate bioavailability and uptake. SUPER PHOS® is many times more bioavailable than regular phosphorous compounds because Micro Carbon Technology® molecules protect it from tying up with other ions in water.
- Stimulation of biological activity for enhanced COD/BOD removal.
- Enhanced biological species diversity for better settleability.
- Improved natural flock formation.
- Improved SVI and SV_{30} for better, cleaner decant.
- Decreased phosphate levels in the effluent stream. Because SUPER PHOS® is more bioavailable less phosphorus is applied, resulting in lower discharges. Typically, one-fourth to one-tenth the amount of SUPER PHOS® is used when compared with common-grade phosphoric acid nutrients.
- Improved sludge reduction for decreased sludge handling cost.
- Reduced material costs, easier handling, and improved treatment performance.

Problem Conditions Improved:

- Formation of insoluble phosphorous precipitates
- Foaming caused by filamentous bacteria
- Excess sludge production
- Excess phosphorus levels in effluent
- Settleability concerns
- Tankage/Storage concerns

Application Instructions:
SHAKE WELL BEFORE USING. Contents are highly concentrated.

APPLICATION LOCATION	RECOMMENDED RATE
In activated sludge plants	Up to 0.5 kg / 100 kg BOD
In stabilization basins	Up to 0.5 kg / 100 kg BOD
In wastewater stabilization ponds: to stimulate algae growth, spray over the pond's surface	Up to 1 quart / surface acre

Powered by MICRO CARBON TECHNOLOGY®

**This Product Contains Micro Carbon Technology,® a proprietary blend of very small organic molecules that allows for more effective absorption of nutrients by microorganisms.*

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Probiotic SOLUTIONS®