



SUPER POTASSIUM[®] Enhancing Nature's Science

Product Characteristics

Soluble Potash (K₂O) 40.00%

Derived From:

Potassium Hydroxide.

Physical Properties:

Form: Liquid

Appearance: Clear amber, having an ammonia-type odor.

Weight: 12.18 lb/gal, 1.35 kg/L

pH: ≥ 14.0

Caution:

Keep out of reach of children.

Harmful if swallowed. The liquid and mists are corrosive to all tissues contacted: causes severe skin burns and eye damage. Inhalation of mist can cause permanent lung damage. Moderately toxic by ingestion. Wear protective gloves / protective clothing / eye protection / face protection. Wash hands thoroughly after handling.

This product can react violently with acids and other substances, materials, and products.

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. Do not store this product below 50°F (10°C) or above 90°F (30°C).

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 Potassium Bioavailability and Uptake

Probiotic Solutions[®] SUPER POTASSIUM[®], complexed with Micro Carbon Technology[®], is a highly stable source of potassium for both wastewater and soil remediation. In wastewater, heterotrophic bacteria require potassium to assist in metabolizing biological oxygen demand (BOD). In soil remediation, SUPER POTASSIUM[®] will assist in increasing the number of bacteria, thereby improving soil physical condition and nutrient content.

Benefits of Use:

- Improved potassium bioavailability and uptake
- Resists tie-up with other ions in soil and water
- Is non-salt-forming and does not contain chloride
- Stimulation of biological activity for enhanced COD/BOD removal
- Enhanced biological species diversity for better settleability
- Improved natural flock formation
- Improved SVI and SV₃₀ for better, cleaner decant
- Improved overall treatment and system stability

Application Instructions:

SHAKE WELL BEFORE USING. Designed to be injected into wastewater treatment systems as an ultra-efficient potassium source. SUPER POTASSIUM[®] can be used alone or in conjunction with other compatible nutrient solutions. If compatibility is in question, jar test a small quantity.

Best results are obtained when SUPER POTASSIUM[®] is metered into the waste stream based on load and flow rate. The recommended ratio of BOD₅:K is 100:1, which ratio is a starting point for nutrient addition. Reduce the recommended dosage at 10% increments when effluent potassium levels rise, improved settleability is seen, or BOD reduction occurs.

See table below for specific rate instructions.

PLACE OF APPLICATION	APPLICATION RATE
In activated sludge plants	0.15 kg to 0.25 kg/100 kg BOD ₅
In stabilization basins / lagoons	0.15 kg to 0.25 kg/100 kg BOD ₅
In soil	Up to 2 gal/acre (20 liters/hectare)



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