



ProKa 1700

Sulfur Degrading Microbial Blend

Primary Applications:	Pulp & Paper mills, Petroleum Refining, Chemical Processing, various industrial wastewater processes, Wastewater Treatment Plants & Wastewater Collection systems.
Benefits:	Reduce biomass inhibition, control foaming, improve biosolids settling, control odors associated with sulfide and organic acids, increase COD and BOD removal efficiency, disfavor excessive growth of specific filamentous bacteria

ProKa 1700 includes the broad blend of carbonaceous bacteria contained in our ProKa 300 in addition to sulfide/organic acid degrading cultures capable of reducing strong organic content and high COD/BOD wastewater. The microbial culture blend is capable of using sulfides, including H₂S, as the energy source for their metabolism. In wastewater environments, **ProKa 1700** converts sulfide compounds to elemental sulfur and degrades various organic acids. **ProKa 1700** is applied to reduce toxicity and foaming caused by sulfides and for use in organic acid and mercaptan odor/corrosion control programs. **ProKa 1700** will work in low pH and anoxic environments.

ProKa 1700 is also applied in tandem with ProKa 2500 for successful odor/corrosion control in collections system, EQ basin, holding pond, digester and thickener applications. Wastewater Treatment Plants that experience biosolids settling concerns due to excessive filamentous growth associated with sulfides and or organic acids, **ProKa 1700** is applied as a non-chemical, proactive filamentous bacteria management program which neutralizes the conditions that promote the growth of specific filament species.

SPECIFICATIONS

Product:	Dormant microbial cultures and or micronutrients
Viability:	minimum 4 billion CFU/g
Form:	A dry, free-flowing powder
Color:	Beige to light brown
Storage:	Store product in a dry place between 10-40° C. If product becomes wet, it must be used immediately. Do not freeze.

DIRECTIONS

ProKa 1700 may be added directly to aeration tank, lagoon, or oxidation ditch. For trickling filters, it is best to prehydrate product by adding 1 lb. per 2.0 gallon of 20-30° C non-chlorinated water. Allow solution to stand for 30 minutes before adding to trickling filter. For all other applications please contact 4G technical service representative for guidance



OPERATING CONDITIONS

pH	4.5-10.0
Temp.	15° - 40°C (59°-104°F)
PO4	2 mg/L minimum
NH3 N	2 mg/L minimum

Do not use in environments where high levels of toxic metals such as zinc, chrome, mercury, are known to exist.

AVAILABILITY

ProKa 1700 is available in 25 lb. plastic pails or 100 lb. fiber drums and may be packaged in one-pound water -soluble packs.

CAUTION

Persons allergic to dust should employ nose and mouth protection when handling this product. In the event of direct contact with the eyes or skin, flush the affected area with water.

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.