



ProKa 1700

Sulfur Degrading Microbial Blend

Primary Applications: Paper & Paper mills, Petroleum Refining, Chemical Processing, Food Processing, Coal Chemicals and Textile mills Wastewater Treatment Plants.

Benefits: Reduce biomass inhibition, control foaming, improve biosolids settling, manage odors, increase effluent COD and BOD removal efficiency

ProKa 1700 is a broad blend of carbonaceous bacteria contained in our ProKa 300 plus thiobacillus cultures applied to reduce strong organic content and high COD/BOD wastewater. The thiobacillus cultures use sulfides, including H₂S, as the energy source for their metabolism. In wastewater environments, the **ProKa 1700** converts sulfide compounds to elemental sulfur. **ProKa 1700** is applied to reduce toxicity and foaming caused by sulfides or for use in organic acid and mercaptan odor-reducing programs. **ProKa 1700** will work in low pH and low anoxic environments. Can be applied in tandem with ProKa 2500 for odor control applications.

SPECIFICATIONS

Product: Dormant bacterial 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 2 lbs. per 1.0 gallon of 20-30° C non-chlorinated water. Allow solution to stand for 30 minutes to 2 hours before adding to trickling filter.

OPERATING CONDITIONS

pH 5.5-10.0
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.