



PRODUCT BULLETIN

DYNA SPEC-1000

Bacterial Culture

General Description

DYNA SPEC 1000 is a blend of specially selected natural saprophytic microorganisms, synergists and nutrients. This product has been formulated to augment many areas of domestic wastewater treatment by improving overall biological performance through reducing BOD's and removing suspended solids. **DYNA SPEC 1000** is equally effective in activated sludge, trickling filters, rotating biological contractors and oxidation ditch systems.

Application

DYNA SPEC 1000 should be added as far upstream as practical. Introduction within the interceptor system in a waste treatment plant has proven to be an effective means of pretreating wastes. Another effective area is a wet well of the collective system where mixing generally occurs. Some plants treat at the headworks. In any case, treatment before the primary clarifier is desirable so that improved BOD₅ removals occur across the primary system. In a lagoon system, the bacterial cultures can be added directly to the lagoon. In areas where lift stations are used, it is recommended that application be at the lowest lift station ahead of the lagoon.

Dosage and Treatment Schedule

The **DYNA SPEC 1000** cultures are fully reactivated after soaking for 3-4 hours in lukewarm (80° F - 100° F) water. Use two gallons of water per each pound of **DYNA SPEC 1000** Wastewater works well for soaking and reactivating the cultures. If the waste stream is cool, the bacterial slurry should be cooled as much as practical to minimize any thermal shock. The quantities required depend upon the type of treatment system, the size of the system and the nature and characteristics of the wastewater. Specific recommendations can be obtained by consulting your sales representative.

Physical Properties

Appearance	Free Flowing powder
Color	White to dark particles
pH	6.8 - 7.2

Availability

DYNA SPEC 1000 is available in UN approved 5 & 25 pound containers.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.