

ENESSCO D 2000

ADVANCED DEINKING TECHNOLOGY

PRODUCT FACT SHEET

- Revolutionary deinking technology designed to operate under alkaline & neutral conditions
- Improves brightness, reduces dirt, and often reduces caustic, silicates, chelating agents & bleach
- Controls Micro & Macro stickies via patented passivation/agglomeration technology
- Reduces Polymer costs associated with process water clarification & sludge dewatering
- Cost-Effective in Flotation and Washing Deinking Processes
- FDA Approved, Non-Hazardous/Non-Toxic

PRODUCT DESCRIPTION

ENESSCO D 2000 is an advanced deinking technology that improves deink plant performance substantially. ENESSCO D 2000 is a worldwide patented blend of inorganic chemicals. Operating at a neutral or alkaline pH, ENESSCO D 2000 effectively modifies surface active forces to work synergistically with mechanical pulping processes to release ink. Ink materials are then stabilized to inhibit redeposition on the fiber.

ENESSCO D 2000 avoids over dispersion of ink particles resulting in more efficient washing and higher pulp brightness. Flotation chemistry is enhanced and results in lower final dirt counts.

The ability of ENESSCO D 2000 to effectively deink under a wide range of conditions allows facilities to eliminate/reduce caustic and sodium silicate from the deinking recipe. ENESSCO D 2000 subsequently helps to inhibit pulp "yellowing" and increase brightness. Cost savings are realized by eliminating traditional chemistries.

ENESSCO D 2000's operating conditions reduces the adverse alkaline hydrolysis of cationic polymers. This results in a 15-30% reduction in polymer costs. Other ENESSCO processing advantages include stronger recycled pulps, a reduction of process water colloidal trash, and the passivation/agglomeration of sticky contaminants.

APPLICATION

The proper dosage rate for ENESSCO D 2000 depends on quality of recycled furnish and final pulp specifications. A normal feedrate is 1.2 - 2 pounds ton per ton of recycled fiber to the pulper. Product is delivered in dry form and packaged in repulpable bags sized for batch application. Continuous operations typically use automatic dry product feeders.

GENERAL PROPERTIES

Appearance.....White micro-crystalline powder
Boiling Point.....636F
Chemical Family.....Non Caustic Inorganic Alkalies
Flash Point.....N/A
Freeze Point.....N/A
PH.....Dry Solid
Solubility.....24% @ 68F

FDA APPROVAL

All ingredients in ENESSCO D 2000 which may become indirect food additives in the final paper, tissue, or paperboard are approved for use by the FDA under 21 CFR 176.

PATENT

ENESSCO D 2000 is a blend of surfactants and inorganic polymers. It is intended for industrial pulp, paper, tissue, and paperboard use only. The use of this product is covered by U.S. patents and pending worldwide patents.

SAFETY PRECAUTIONS

A Material Safety Data Sheet detailing safety issues information is available. This product in non-toxic, but may cause irritation. Practice normal industrial safety guidelines.