

PRODUCT 2: SODIUM LIGNOSULPHONATE FROM COIR PITH

Sodium lignosulphonate (lignosulphonic acid) is the sodium salt of lignin and is used in the food industry as a de-foaming agent for paper production and in adhesives for items that come in contact with food. In addition to this, Sodium lignosulphonate can be used for an expander formulation in battery paste compositions. The expander formulation incorporates effective or elevated concentrations of sodium lignosulphonate to lessen or minimize the accumulation of lead sulfate on the surface of the negative plate during high rate of battery operation. Now-a-days, India is importing 5 lakhs tons of sodium lignosulphonate China/ Germany to meet the requirements in its applications in industries. CCRI could established the fact that Coir pith / Coir waste can be used as a substrate for the production of Sodium lingo sulphonate.



Applications:

- Expander in Lead acid batteries.
- Mud thinner in oil well drilling fluids.
- Binder in roads to increase its load carrying capacity.
- Binder in animal feed preparations.
- Dispersant in cement manufacture, concrete admixtures and boiling water.
- Stabilize emulsions making them highly resistant to breaking.

