



**CIRCULAR  
ECONOMY**

## LIGNOSULFONATES

Lignosulfonates are versatile, water-soluble polymers that can provide various functionalities depending on their molecular weight, degree of sulfonation, amphiphilicity, purity and other factors. These biopolymers are particularly useful as dispersants, binding agents and emulsion stabilisers. Lignosulfonates are also inherently biodegradable, non-toxic and renewable, making them a sustainable alternative to synthetic polymers. Their properties make them ideal for a broad range of industrial

applications, including Agriculture, Animal Feed, Biomass Pelleting, Ceramics, Dust Control, Cement Admixtures in Construction, Paper Sizing, Resins and Adhesives, Food Aromas, etc.

Altri's Caima mill currently produces 55 000t/a, as a side-stream from its Acid Sulphite Dissolving Pulp mill, from where it sells this product worldwide for its different applications.



Dried Lignosulfonate



Animal Feed



Cement Admixtures



Ceramics



Dust Control

**altri**



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