

TECHNICAL DATA SHEET

SPERSIO™ P 451

New generation of bio based dispersants



40% bio-based product



Higher solid content



Lower carbon footprint

TYPICAL CHARACTERISTICS

Nature	Polycarboxylate in aqueous solution
Appearance	Liquid- Yellowish
Solid Content (%)	45
pH	8
Brookfield viscosity (mPa.s)	150
Specific gravity	1.285
Total Bio content (%)	40

DESCRIPTION

Rheology and Specialty Additives has developed a more eco friendly bio technology to reduce carbon foot print. SPERSIO™ P 451, a partially bio based dispersant, has been developed due to several advantages over multiple benefits. Partially Bio sourced less fossil origin materials - Higher concentration: 55% vs 42% - Lower viscosities at low temperatures, even pumpable at -5°C without heating - Easy to use with higher operating window - Contribute to aggregates reduction.

RECOMMENDED ADDITION LEVEL

0.025 to 0.3 d/d

STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC
- Bulk

HANDLING & STORAGE

The product should be protected from the effects of weathering, stored between 5 and 40°C and protected from sun exposure. Once opened, packaging should be resealed immediately after use. In these conditions, this product should be used within 12 months from delivery.

MARKETS

Pulp & Paper

- Board Coating
- Paper Coating

KEY BENEFITS

- Total Bio content (%) **40**

MINERALS SUSPENSION

- Clay
- GCC
- PCC
- Talc



MINERAL PARTICLE SIZE

- Coarse
- Fine
- Extrafine



SPERSIO™ P 451

PROCESSING INSTRUCTIONS

Shall be introduced at the end of the coating color preparation after the pigments and the binders and prior to the pH adjustment with a diluted caustic soda.

HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

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