

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.

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.

MARKETS

Pulp & Paper

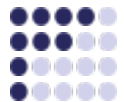
- Board Coating
- Paper Coating

KEY BENEFITS

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

MINERALS SUSPENSION

- Clay
- GCC
- PCC
- Talc



MINERAL PARTICLE SIZE

- Coarse
- Fine
- Extrafine



SPERSIO™ P 451

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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