Boltorn™ U3000

Description
- Boltorn™ U3000 is a fatty acid modified dendritic polymer with a large number of polyunsaturations.
- Highly branched polymer backbone and in average 14 unsaturated fatty ester groups/molecule.
- Average molecular weight is 6500 g/mole.
- Low viscous, yellow liquid at room temperature.

Applications
- Binders for solvent-free alkyds, where no emission and rapid drying are required.
- Diluting alkyd resin, which combined with fatty acid esters, can give excellent emission control and good film properties.
- Alkyd resins, where good outdoor durability is required.
- Anti-blocking agent for waterborne coatings based on acrylics, vinyl- acrylic and vinyl-ethylene dispersions.

Delivery forms
- Steel drums 180 kg, 720 kg/pallet.

Storage
- Boltorn™ U3000 should be stored at room temperature. The containers should be properly sealed to avoid possible oxidative drying of the product.

Sales specification
- Viscosity (23 °C, 30 s⁻¹), Pas
  - Max. 1.5
- Non-volatile content, %
  - Min. 98
- Acid number, mg KOH/g
  - Max. 10

Typical properties
- Hydroxyl number, mg KOH/g
  - 15
- Polydispersity, Mw/Mn
  - 1.5 *
- Oil length, %
  - 75 *

* Information only

Analytical Method
1 PO 120-3, 2 PO 109-8, 3 PO 110-6, 4 PO 100-9, 5 PO 137-2
Analytical methods are available on request

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