PAT-ADD DA 701 is an amphoteric dispersing agent for use in solvent borne paints, inks, plasticizers and colorants. PAT-ADD DA 701 is multifunctional and compatible with a wide range of solvent borne paint systems. However, PAT-ADD DA 701 is particularly effective as dispersant for inorganic pigments in air-drying alkyd paints.

**PHYSICAL CHARACTERISTICS:**
- **Appearance**: Slightly amber coloured liquid
- **Viscosity @ 25°C, approx**: 9000 cPs
- **Specific gravity @ 25°C, approx**: 0.965
- **Polarity**: Amphoteric
- **Composition**: Polyester compound
- **Solids content, approx.**: 72%

**PROPERTIES:**
PAT-ADD DA 701 is a polymeric dispersing agent exhibiting strong adsorption properties onto a wide variety of pigment surfaces, contributing to best dispersion stability. PAT-ADD DA 701 is strongly adsorbed onto inorganic pigments and extenders, contributing to enhanced sterical stabilisation against re-flocculation.

**MAIN BENEFITS ARE:**
- Optimises the milling process, enabling high pigment loading
- Provides excellent colour development
- Strong prevention of pigment flocculation, floating, flooding, and pigment settling
- Excellent compatibility with alkyd resins, thus minimal risks of causing unwanted side effects
- Minimal effect on heat stability if used in plasticized PVC systems

**DOSAGE AND ADDITION:**
The optimal amount of PAT-ADD DA 701 to be used is system related, but generally is between 0.3 and 0.8% PAT-ADD DA 701, calculated on the total weight of paint formulation.
The product is added to the mill-base prior to the dispersion process.
For use as dispersing agent in plasticizer pastes, a dosage between 0.7 and 3% on total weight of the paste, is typically required.
The optimum concentration to be used depends on the individual requirements and conditions.

*For information on handling and safety please refer to the information from the Material Safety Data Sheet*