PAT-ADD DA 1801 is wetting and dispersing agent for use in solvent borne paints and inks.
PAT-ADD DA 1801 is particularly suitable for the formulation of pigment concentrates, as designed for use in industrial and automotive systems.
PAT-ADD DA 1801 is effective as a wetting agent for main inorganic as well as organic pigments, particularly for titanium dioxide and main organic pigments.

**PHYSICAL CHARACTERISTICS:**

- **Appearance**: Pale yellow liquid
- **Viscosity @ 25°C, approx**: 50 cPs
- **Specific gravity @ 25°C, approx**: 0.985
- **Polarity**: Anionic
- **Composition**: Solution of a polymer with acidic groups
- **Solids content, approx.**: 60%

**PROPERTIES:**

PAT-ADD DA 1801 reduces viscosity of the millbase, thus optimizing pigment wetting and dispersing. Furthermore, the product improves gloss, levelling and prevents pigment floating and flooding.

The anionic, slightly acidic character of PAT-ADD DA 1801 makes this additive ideal to be used for acid catalysed systems. Furthermore, PAT-ADD DA 1801 has shown excellent performances, if used in conjunction with polymeric dispersing agents, such as PAT-ADD DA 934.

**MAIN BENEFITS ARE:**

- Spontaneous, fast pigment wetting properties in high loaded pigment concentrates
- Optimises the milling process, enabling high pigment loading and best color development
- Strong prevention of pigment flocculation, floating, flooding, and pigment settling

**DOSAGE AND ADDITION:**

The optimal amount of PAT-ADD DA 1801 to be used is system related, but generally is between 0.4 and 1.5 % PAT-ADD DA 1801, calculated on the total weight of paint formulation.

The product is added to the mill-base prior to the dispersion process. 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