



Product Data Sheet

ADD-N40

GENERAL

ADD-N40 is a derivative of a family of highly effective, low viscosity dispersing agent for waterborne coating systems. The product is especially suited for the dispersion of inorganic pigments.

SPECIFICATIONS

Description	: ADD-N40 is a solution of a sodium salt of an acrylic polymer in water.
Appearance	: Straw colored liquid
Active content	: 40%
Odour	: Slightly acrylic
Specific gravity (@ 20°C)	: 1.3 g/cm ³
Solids content	: 45%
pH (approx.)	: 7.5

APPLICATIONS AND USAGE

ADD-N40 is an excellent dispersing agent delivering process efficiencies across a range of market applications:

- Paints
- Adhesives
- Ceramics
- Electronic ceramics

ADD-N40 can be used as supplied. **ADD-N40** has been successfully used to produce a wide range of aqueous slurries and dispersions. Suitable substrates include calcium carbonate, kaolin/china clay, dolomite, ferrite, magnesium hydroxide, mica, satin white, talc, titanium dioxide, zinc oxide etc. **ADD-N40** can be used to increase the solids loading of the required inorganic dispersion or reduce the working viscosity at a given solids content.

It is recommended to add the pigment to water containing the dispersing agent with stirring as opposed to addition of the dispersing agent to a pigment slurry. In general, the pH of the final preparation should be in the region of 8.5 to obtain optimum dispersing efficiency.

Usage **0.5 – 2.0% ADD-N40** into the formulation (based on total pigment weight).

STORAGE, SAFETY & HANDLING

Although **ADD-N40** is freeze stable, it is recommended to store the product at temperatures above 50 °C to enable easy handling of the product. Avoid frost and freezing. Do not store in steel, copper or aluminum containers. Thermal decomposition above 200 °C releases carbon dioxide. When kept in an original unopened container, **ADD-N40** will keep up to 2 years from the date of manufacture. Detailed information can be found in the Safety Data Sheet.