



Flexisperse™ 300N

Overview

- Aqueous, Fully Neutralized Polyacrylic Acid
- Excellent Antiscaling Properties over a Broad Range of pH, Water Hardness, and Temperature Conditions
- Effective & Stable Dispersant Functionality vs Sodium Phosphates
- Contains No Phosphates Allowing Users to meet Discharge Water Requirements

Applications

- Industrial Water Treatment as a General Purpose Antiscalant
- Dispersants for a Variety of Inorganic Pigments Including Kaolin Clay, CaCO₃, TiO₂, and Iron Oxides
- Oilfield Applications for Preventing Scale in Well Formation and Production Equipment

Technical Information

Flexisperse 300N is a fully neutralized polyacrylate polymer. The molecular weight and molecular weight distribution of Flexisperse 300N has been optimized to deliver optimum functionality across a number of end use applications. Flexisperse 300N allows the end user to receive product in a ready to use form, avoiding the need for pH adjustment in most formulations. This polymer is widely used by the water treatment industry as a general purpose antiscalant to control the development of CaCO₃, CaSO₄, and other mineral salt scales on heat exchange surfaces of cooling towers and boilers.

Flexisperse 300N also serves as a cost effective and thermally stable dispersant for a variety of inorganic pigments including Kaolin Clay, CaCO₃, TiO₂, and Iron Oxides for both processing and shipping of high solids slurries to the marketplace.

In oilfield applications, Flexisperse 300N helps to control scale development in well formations as well as production equipment. The polymer is also a functional dispersant / deflocculation agent for drilling muds in lower temperature and low electrolyte conditions.

For further information, technical service, and samples, please contact us at (770) 607-9340 or via our website at www.ictchemicals.com

Typical Properties

Appearance	Clear to Slightly Hazy Liquid
Color	Water White to Pale Amber
Chemical Nature	Acrylic homopolymer
Grade	Na salt (Fully Neutralized)
Average molecular weight (Mw)	2000 -3000
Total solids (%)	42.0 - 44.0
Bulk density (at 25°C)	1.20 - 1.40
pH as is (at 25°C)	6.0 - 8.0
Viscosity Brookfield (mPa.s/cps at 25°C)	100 - 500

Packaging and Handling

Flexisperse 300N is available in bulk tank trucks (44,000 lbs), 275 gallon totes (approx 2750 lbs) and 55 gallon plastic drums (Net Wt. 550 lbs).

DOT Classification is Non Regulated.

This information relates only to the specific material referred to herein and not to its use in combination with any other material or in any process, unless explicitly stated herein. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled; however, no warranty, guarantee or other representation is made as to its accuracy, reliability, or completeness, or regarding any liabilities arising from others' intellectual property rights.