



## Technical Data Sheet

### **DOWFAX™ 92N40**

#### Nonionic Surfactant

#### **General Information**

Dow is a science and technology-based company and one of the world's largest producers of polyalkylene glycols. Our worldwide research, manufacturing, and distribution includes facilities in Europe, North America, Latin America, and Asia-Pacific. With over 30 years of experience in polyglycol manufacturing, the industry's broadest product line, and a leadership position in new product development, Dow is uniquely positioned to meet the needs of a diverse global marketplace. This success results from expanding our customers' markets through combined customer formulation knowledge and Dow alkoxylation expertise in joint development applications. Together we focus these resources to help ensure success for our customers and their products.

#### **DOWFAX™ Nonionic Surfactants**

DOWFAX™ Nonionic Surfactants are high-performance products that feature excellent solvency, low foam characteristics, chemical stability, and a long list of other valuable performance properties. They are produced by polymerizing ethylene oxide (EO), propylene oxide (PO), and/or butylene oxide (BO) in the same molecule. The ratio and order of oxide addition, together with the choice of initiator, control the chemical and physical properties.

DOWFAX™ 92N40 Nonionic Surfactant is a linear block copolymer. It is a viscous liquid at room temperature. See Table 1 for Typical Properties of DOWFAX™ 92N40 Nonionic Surfactant.

#### **Applications and Uses**

DOWFAX™ 92N40 Nonionic Surfactant is used as detergent and dispersant; it can be used at high temperature systems. DOWFAX™ 92N40 Nonionic Surfactant is commonly employed in dispersions, high performance cleaners and detergents, paper and textile processing, paints and coatings and agriculture applications.

#### **Technical Expertise When and Where You Need It**

Dow experts on DOWFAX™ Nonionic Surfactants are regionally located to quickly respond to your needs. They are globally networked to take maximum advantage of years of combined experience. Whether your question involves products, applications, or regulations, Dow offers comprehensive customer and technical service.

**TABLE 1: Typical Properties of DOWFAX™ 92N40 Nonionic Surfactant**

Property (Unit)	Typical Value	Test Method
Appearance	Viscous, colourless to yellow wax, liquid above 45°C	ASTM D2024
Water (WT%)	< 0.4	ASTM E203-96
Colour (APHA)	< 100	ASTM D1209
pH (2.5% in water)	7	ASTME70-90
Cloud point (1% in water, °C)	79	ASTM D2024
Specific Gravity (25°C)	1.035	ASTM D4052

No liability, warranty or guarantee of final product performance is created by this document.

**Handling**

DOWFAX™ 92N40 Nonionic Surfactant is easy to store and handle. For specific safe use and handling information, or to obtain a DOWFAX™ 92N40 Nonionic Surfactant Material Safety Data Sheet, contact your local Dow representative or please visit us at [www.dow.com](http://www.dow.com).

**Stewardship**

Dow encourages its customers and potential users of DOWFAX™ 92N40 Nonionic Surfactant to review their applications from the standpoint of human health and environmental aspects. To help ensure that DOWFAX™ 92N40 Nonionic Surfactant is not used in ways for which it is not intended or tested, Dow personnel will assist customers in dealing with environmental and product safety considerations. Dow literature, including Safety Data Sheets, should be consulted prior to the use of DOWFAX™ 92N40 Nonionic Surfactant.

**Contact:**

[www.dow.com/contact](http://www.dow.com/contact)

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