



ACRYSOL™ DR-73 Rheology Modifier

Description

ACRYSOL™ DR-73 Rheology Modifier is a synthetic, liquid thickener that offers a low cost/high performance alternative to cellulosic thickeners in interior flat latex paints. ACRYSOL DR-73 Rheology Modifier offers application and feel properties very similar to medium grades of cellulosic thickeners and hydrophobically modified HEC thickeners with increased high shear viscosity for higher film build, brush drag and hiding. It also has outstanding spatter resistance. ACRYSOL DR-73 Rheology Modifier is easy to handle and incorporate into the paint and is formulated to resist microbial contamination.

Application

ACRYSOL™ DR-73 Rheology Modifier has been designed for use in a wide range of latex paint formulations for excellent performance. It is an excellent choice for vinyl acrylic low sheen interior paints, including above CPVC, low volume solids paints. In these paints, it can be used as a cost-effective alternative for cellulose.

ACRYSOL DR-73 Rheology Modifier is supplied as a low viscosity liquid that is easy to pour and pump. It is especially attractive to use when bulk handling and automatic metering equipment are used.

Features	Benefits
More cost effective than cellulose	Lower raw material cost
Excellent thickening efficiency	Lower formulated cost
Provided as low viscosity liquid	Easy to handle and incorporate during manufacturing process
Outstanding application properties	High shear viscosity development for brush drag, hiding, excellent spatter resistance, good brush loading and roller transfer
Good paint stability and consistency	Thick, creamy in-can appearance with stable viscosity

Typical Physical Properties

(These properties are typical but do not constitute specifications).

Property	Typical Values
Type	anionic
Appearance	white, milky liquid
Solids	30%
pH (as supplied)	4-5
Brookfield Viscosity as supplied*, 25°C	100 cP
Density at 25°C, lb/U.S.	8.86 lbs/U.S. gal
Bulking value, wet	0.1134

* #1 spindle, 60 rpm

**Handling
Precautions**

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Coating Materials Technical Representative for more information.

**Chemical
Registration**

Many countries require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. Dow does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

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