



ACULYN™ 88 Rheology Modifier

Description

ACULYN™ 88 Rheology Modifier is an anionic hydrophobically modified alkali-soluble acrylic polymer emulsion (HASE) that is lightly crosslinked with unusually high aqueous thickening and stabilizing efficiency. This thickener is a liquid, cold-processable product that instantaneously thickens upon neutralization providing ease of handling and increased manufacturing efficiency. ACULYN 88 is offered at 29% solids and is compatible with high levels of surfactants. The polymer has a well-established toxicological profile and is safe in normal use.

Features

- Shear thinning rheology
- Very efficient at building viscosity
- Excellent surfactant and solvent compatibility
- Synergy with Laponite Clay* for enhanced suspension in high surfactant systems

* Laponite is manufactured by Southern Clay Products, Inc./Rockwood Additives Limited.

Benefits

- Imparts honey-smooth texture, spreading and flow to personal care formulations
- Enables suspension of particles, silicones, pearlizing agents, and air bubbles
- Excellent clarity
- Effective at pH 4-12, depending on the formulation
- Film former
- Polymeric emulsifier

Physical Properties

The following are typical properties of ACULYN™ 88 Rheology Modifier; **they are not to be considered product specifications.**

INCI name: Acrylates/Steareth-20 Methacrylate Crosspolymer
 Association:Very high (upon neutralization)
 Ionic nature: Anionic
 Appearance: Milky white
 Solvent: Water
 Solids,%: 29
 pH (as supplied): 3.8
 Rheology: Short, non-stringy
 Iodine value: Max 1
 Rheology: Short
 Viscosity, mPa s (as supplied): <150

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Formulations

Hair care

- 2-in-1 Conditioning Shampoo
- Long Lasting Hold Hair Gel
- Shine Spray Gel - Glitz Spritz
- Wet Look Hair
- Durable Hold Alcohol Free Sculpting Hair Spray Gel
- Durable Hold Alcohol Free Styling Hair Spray Gel
- Brilliant Resilient Hair Gel All Day Hold and Shine
- Hair Serum/Glaze - Wave Behave

Skin care

- Exfoliating Shower Gel
- Shower Gel with Suspended Jojoba Beads
- Sulfate Free Body Wash with Suspended Beads

Sun and Skin care

- Emulsifier Free SPF 15 Daily Use Lotion
- Divine Sunshine Sunscreen Lotion SPF 25 with Parsol 1789

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 Technical Representative for more information.

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

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including Safety Data Sheets (SDS), should be consulted prior to use of Dow products. Current Safety Data Sheets are available from Dow.

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