

# PAT-ADD AF 31

## Product Data Sheet

Rev 01

April 2018



### Product Features

PAT-ADD AF 31 is an easily dispersed defoamer for waterborne coatings, aqueous inks and pigment dispersions.

PAT-ADD AF 31 is oil-free defoamer based on an organically modified polysiloxane.

Although specially developed for lowly pigmented paints and varnishes, PAT-ADD AF 31 is versatile in application. It is a highly efficient defoamer and anti-foaming additive for waterborne during manufacturing and application.

#### **Main benefits are:**

- Easily dispersible
- Highly effective anti-foaming agent requiring low dosage
- Clear liquid, excellent shelf stability

### Physical Characteristics:

**Appearance** : Clear Colorless liquid

**Viscosity @ 25°C** : <40 cP

**Specific gravity @ 25°C** : 1.000 - 1.035

**Polarity** : Nonionic

**Active matter content** : 10%

“Physical parameters indicated here in product data sheet are typical properties and not specification limits or range.”

### Properties:

PAT-ADD AF 31 is a easily dispersible defoamer for aqueous systems; requiring only mild dispersion forces.

PAT-ADD AF 31 is highly suitable for low PVC gloss emulsion paints, industrial paints, flexo inks and pigment dispersions.

### Dosage & Addition

The optimal amount of PAT-ADD AF 31 is system related, generally between 0,1 and 0,4 % on the total weight of formulation.

Although the product is easy dispersible in water, effective mixing is still necessary. For use in pigmented systems, we recommended adding half of the required quantity in the pigment dispersion and the remaining half directly to the mill-base or let-down.

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The optimum concentration used depends on the individual formulation and conditions and is best determined experimentally with a ladder study.

### End Use Application

High gloss architectural and industrial coatings, silk and glossy emulsion paints, wood paints and stains, inks and overprint varnishes, clearcoats, pigment concentrates, and adhesives.

### Shelf life

The product has shelf life of 24 months from the date of manufacturing; packed in unopened original containers as shipped by Patcham when stored in frost free warehouse.

### Storage and transportation

The product may solidify below +1 °C (33.8 °F). Heat to 20 °C (68 °F) and stir.

### Safety and Handling

For information on handling, storage and safety please refer to the information from the Material Safety Data Sheet (SDS).

### Packing size

Drum: - 175.0 kgs, Can: - 20.0 kgs

#### *Disclaimer:*

*While every effort is made to provide accurate and complete test results for The PATCHAM ADDITIVES, various data may vary depending upon different raw materials, test procedures and test conditions. The accuracy, reliability, or totality of the results are not guaranteed or warranted in any way. PATCHAM FZC and its representatives disclaim liability of any kind whatsoever, including liability for quality, performance and fitness for a particular purpose arising out of the use, or inability to use the test results.*