

# PAT-ADD AF 34

## Product Data Sheet

Rev 01

April 2018



### Product Features

PAT-ADD AF 34 is liquid defoamer for waterborne varnishes, wood-coatings, industrial paints, inks and pigment dispersions.

PAT-ADD AF 34 is oil and VOC-free; is an organically modified poly dimethyl siloxane.

PAT-ADD AF 34 is versatile in application, efficient in various waterborne paints, industrial systems, inks and adhesives. It is effective for defoaming and anti-foaming during manufacturing and application and reduces risk of micro-foaming.

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

- Oil-free
- Reduces risk of micro-foaming
- Requires only low use levels; does not contribute to VOC
- Clear liquid with excellent shelf stability

### Physical Characteristics:

<b>Appearance</b>	: Slightly hazy colorless to Pale yellow liquid
<b>Viscosity @ 25°C</b>	: 500 - 1200 cP
<b>Specific gravity @ 25°C</b>	: 0.980 – 1.020
<b>Polarity</b>	: Nonionic
<b>Active matter content</b>	: 96-100%

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

### Properties:

PAT-ADD AF 34 can be incorporated with mild to high shear dispersion forces.

PAT-ADD AF 34 is suitable for architectural and industrial paint systems as well as flexo inks and pigment dispersions.

### Dosage & Addition

The optimal amount of PAT-ADD AF 34 is system related, generally between 0,08 and 0,8 % on the total weight of formulation. Proper incorporation by mild to high shear mixing is preferred, in order to ensure proper distribution and minimize risk of film defects.

For pigment dispersions, dosages up to 1 % may be required. Recommended procedure is to add part of the required dosage to pigment grind and the remaining to the mill-base before let-down.

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

### End Use Application

Pigment concentrates, semi-gloss and gloss Architectural paints, Spray and roll-coat applied coatings, Printing Inks and waterborne Industrial Coatings.

### 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

Stir it well before use, separation may occur upon storage and transportation.

### 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: - 200.0 kgs, Can: - 25.0 kgs, IBCs: - 1000.0 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.*