



PATCHAM (FZC)

PAT-ADD SU 420

PRODUCT DATA SHEET

PAT-ADD SU 420 is a nonionic surface active agent, which provides excellent wetting and dispersing features in aqueous systems. Pat-Add SU 420 acts as a foam destabiliser. Due to the multifunctional properties the PAT-ADD SU 420 provides performance benefits in many applications areas, such as paints, inks, adhesives and various other chemical formulations.

Pat-Add SU 420 is easy workable, solvent-free liquid.
Main application areas are WB industrial paints, WB inks and adhesives.

PHYSICAL CHARACTERISTICS

Appearance	: Clear yellow liquid
Specific gravity @ 25°C, approx.	: 0.950
Purity	: >99%
Viscosity @ 25°C	: 200 cP (Max)
Composition	: 2,4,7,9-tetra methyl-5-decyne-4,7-diol derivative

PROPERTIES:

Pat-Add SU 420 shows both strong performances in reduction of static as well as dynamic surface tension. The product exhibits wetting performance in various applications. In waterborne coatings and inks Pat-Add SU 420 is used as pigment wetting and dispersing agent. Pat-Add SU 420 acts as a defoaming agent. Moreover, it contributes to improved substrate wetting properties of the coating or ink film, onto low surface tension substrates, such as plastics

Main benefits of PAT-ADD SU 420:

- Easy workability. Used instead of the Pat-Add SU 4 series, in case of requiring solvent-free liquid
- Excellent pigment wetting properties
- Unlike conventional wetting agents it does not contribute to foam formation
- Strong reduction of surface tension of aqueous systems
- Lower water solubility as compared to Pat-Add SU 440
- Main application areas are polymer emulsions, emulsion polymerisation, WB paints and inks
- Aids flow and levelling

DOSAGE AND ADDITION:

The optimal amount of PAT-ADD SU 420 to be used is system and application related, but are in case of being used as a wetting agent in the range between 0.1% - 0,5% Pat-Add SU 420 by weight of the total formula. Best incorporated under efficient mixing conditions, such as provided by high speed mixers.

The optimum concentration to be used depends on the individual requirements and conditions and is advised to be determined experimentally.

For information on handling and safety please refer to the information from the Material Safety Data Sheet