

Product Features

PAT-ADD LE 1079 is high efficient substrate wetting agent for use in water borne coatings and inks. It strongly reduces dynamic and static interfacial tension, explaining the successful use as ingredient to control wetting onto difficult to wet substrates.

Main benefits are:

- Provides fast and complete substrate wetting.
- Reduces dynamic and static surface tension
- Easy to formulate
- Enhances flow and leveling properties
- Silicone- and fluorine-free low surface tension corrective agent

Physical Characteristics:

Appearance	: Clear to hazy Yellow liquid
Viscosity @ 25°C	: 50-500 cP
Specific gravity @ 25°C	: 1.030-1.070
Composition	: Hyper dynamic apolar surfactant
Solubility	: Water, white spirits, butyl acetate, main polar organic solvents.
Active matter content	: 80.0%

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

Properties:

PAT-ADD LE 1079 contributes to fast and complete wetting of substrates in a wide range of applications, for instance such as when used in waterborne liquid paints, varnishes and inks. It is highly recommended to be used in systems, applied by high-speed application processes, such as for printing, roller coatings and similar.

PAT-ADD LE 1079 is commonly preferred as surface tension controlling agent, instead of Polysiloxane- or polyfluoro-based surface tension reducers, in case of critical demands for properties like permanent adhesion or coating recoatability.

PAT-ADD LE 1079

Product Data Sheet

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PATCHAM

A step towards sustainable chemistry

Dosage & Addition

The optimal level of PAT-ADD LE 1079 is system related, but is generally between 0.1 and 0.8% PAT-ADD LE 1079 as supplied, calculated on the total weight of paint or ink formulation.

The product is preferably added to the letdown stage. However, post-addition or addition prior to milling in pigmented systems may be considered and evaluated in each case individually.

End Use Application

PAT-ADD LE 1079 is suitable for a wide range of waterborne, which include main applications such as in wood coatings, plastic coatings, industrial coatings, printing inks, etc.

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, transportation,

The product may solidify below +1 °C (33.8 °F). Warm up to 20 °C (68 °F) and stir well before use.

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.