

## Technical Information

### Farmsolve Products

#### Composition

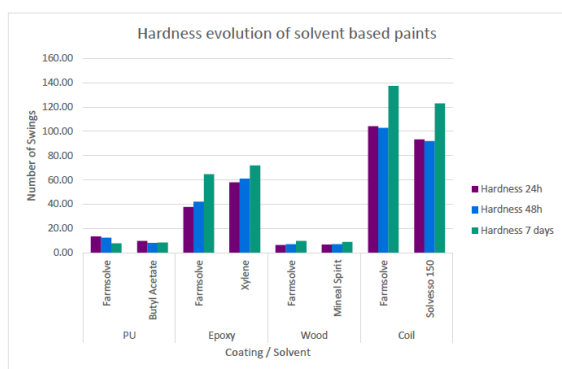
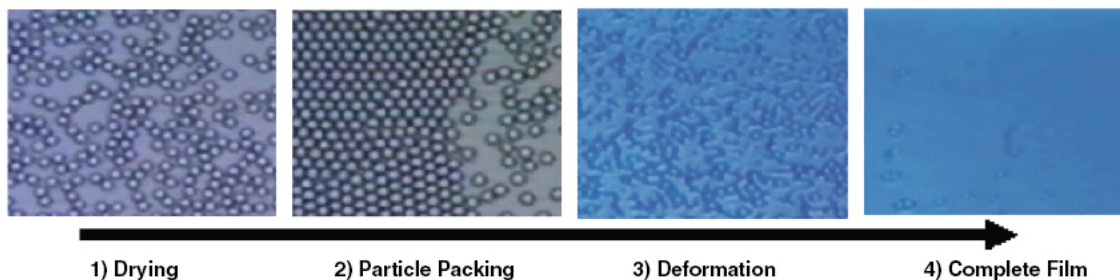
Mixture of poly-oxymethylene ethers (OME)  $\text{CH}_3\text{O}(\text{CH}_2\text{O})_{3-5}\text{CH}_3$

#### Description

Farmsolve™ products are sustainable solvents for a broad range of coatings formulations, ink formulations, and cleaners. Farmsolve™ is almost odorless and can be applied as a co-solvent for the reduction of aromatics content in coil, epoxy and PU coatings. In aqueous emulsion paints, Farmsolve™ is an excellent coalescing agent. Farmsolve™ is highly compatible with a broad range of resins.

The portfolio consists of three grades ranging from low (~140°C) to intermediate (156-242°C) to high (~242°C) boiling points. The products act as coalescing agents: it helps the film formation in an aqueous emulsion paint. It competes with Texanol and Dowanol, two benchmarks which are widely used in coatings. Farmsolve™ products improve hardness, gloss and resistance of a coating, without the need of reformulating the paint.

FIGURE 1–Film formation analyzed under SEM for hydrophobic latex.



Besides its coalescing activity, Farmsolve™ solvents contribute to the renewable content of formulations: they efficiently replace fossil-based solvents such as butyl acetate, xylene, mineral spirits and solvesso 150. Unique selling points are the high stability at pH 6-9, and high compatibility with a broad range of resin systems. The Farmsolve™ products are sustainable, biodegradable and non-toxic at a competitive price level.

In the near future, Farmsolve™ products will be produced from 100% renewable raw materials

The information in this data sheet is given to the best of our knowledge, however, without any warranty on our part and the disclosure of this information is not to be taken as an exemption to infringe any patents or licenses.

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