

## Evonik to supply phosphate methacrylate as a reactive flame retardant and anti-corrosion agent

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- Product to be marketed under the brand name VISIOMER® HEMA-P 70M
- Monomer is polymerized into the polymer backbone
- No migration as with conventional flame retardants

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Darmstadt, Germany. Evonik plans to market 2-hydroxyethyl methacrylate phosphate as an anti-corrosion agent and flame retardant under the brand name VISIOMER® HEMA-P 70M. Typical product applications of this methacrylate monomer include adhesives and plastics, paints and coatings, fibers, composite resins, and gel coats.

Customers mainly use VISIOMER® HEMA-P 70M as an adhesion promoter, but the latest findings have also shown it to be an effective reactive flame retardant or anti-corrosion agent. Since the substance serves as a reactive diluent or as a co-monomer bonded within the polymer backbone, it does not migrate like conventional flame retardants. VISIOMER® HEMA-P 70M further improves flame retardancy in combination with non-polymerizable flame retardants.

“VISIOMER® HEMA-P 70M offers new options for customers with special requirements for flame-retardant and anti-corrosion properties. This monomer adds a specialty methacrylate with particular functionalities to Evonik’s portfolio and underscores our role as a solution provider for innovative customers,” says Dr. Martin Trocha, the head of Evonik’s Application Monomers Product Line.

VISIOMER® HEMA-P 70M is a highly versatile monomer that contains 30% methyl methacrylate and is particularly easy to process because of its low viscosity. Thanks to its low color index, the specialty monomer is particularly well-suited for optical applications in acrylate and methacrylate systems. This enables the use in applications with high demands for transparency and surface quality, such as surface coatings, plastics or adhesives.

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Moreover, the monomer protects against static charging and has an emulsion stabilizing effect.

#### **About Evonik**

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-orientated innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world with more than 36,000 employees. In fiscal 2017, the enterprise generated sales of €14.4 billion and an operating profit (adjusted EBITDA) of €2.36 billion.

#### **About Performance Materials**

The Performance Materials Segment is managed by Evonik Performance Materials GmbH. The segment focuses its global activities on developing and manufacturing polymer materials and intermediates, especially for use in agriculture and in the rubber and plastics industry. In 2017, the segment's roughly 4,400 employees generated sales about €3.8 billion.

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