

Technical information

VISIOMER®

Methacrylate and methacrylamide monomer building blocks for oil and gas applications



The Methacrylates Business Line of the Evonik segment Performance Materials manufactures methacrylates and methacrylamides that can be utilized as versatile building blocks in oil and gas polymer applications. Drilling, stimulation, production, midstream, EOR and infrastructure are just some of the sub-markets serviced by Evonik. Our specialty methacrylates enhance the performance, provide low carbon footprint and, at the same time, improve the cost to the oil and gas related operations.

Within the upstream, midstream and downstream segments, the Business Line offers a broad portfolio of methacrylates, which is promoted under the tradename VISIOMER®. Our VISIOMER® products show capabilities and innovations in the hydrocarbon lifecycle to:

- Unlock reservoir potential
- Protect and extend asset life and reliability
- Increase and enhance production and throughput

Application	Chemistry	Segment
Drag reducer	Alkyl methacrylates (hydrophobic)	Flow assurance
Fluid loss agents	Aminofunctional methacrylates and methacrylamides	Drilling Stimulation
Hydrate inhibitors	Methacrylamides (hydrophilic)	Flow assurance
Paraffin/wax inhibitors	Alkyl methacrylates (hydrophobic)	Flow assurance
Water treatment	Cationic methacrylates and methacrylamides	Production Stimulation
Friction reducer	Aminofunctional (cationic) methacrylates and methacrylamides	Hydraulic fracturing
Viscosifier/gelling agents	Aminofunctional methacrylates and methacrylamides	Drilling Stimulation EOR
Scale inhibitors	Ether methacrylates	Flow assurance
Shale control	Aminofunctional (cationic) methacrylates and methacrylamides	Drilling Stimulation
EOR – chemical flooding	Aminofunctional (cationic) methacrylates and methacrylamides	EOR

**VISIOMER® –
The first choice in methacrylate solutions**

The Business Line Methacrylates is one of the global leaders in methacrylate solutions. We are your experienced partner for developing customized monomers and polymers based on methacrylate or methacrylamide chemistry and their reliable scale-up to large production volumes. For decades, new monomers have been developed resulting in specific property enhancements as well as specialized grades of existing products. These are all tailored to the specific needs of our customers.

We offer service and expertise based on

- Broad product portfolio of VISIOMER® methacrylate monomers, including products based on bio-renewable sources
- Global state-of-the-art production network and high expertise in technology development and engineering
- Global sales, logistics and technical service network

- R&D support, tailor-made solutions, and customized specifications
- Expertise in application of methacrylates
- Support for polymerization methods and analysis
- Extensive experience in polymer design, synthesis, testing and production using various polymerization techniques
- Polymerization scale-up, process engineering, and pilot process capabilities

We are committed to strong partnerships to develop new monomers and polymers for the use in your oil & gas polymer applications. Our versatile synthetic capabilities as well as our competencies in polymer process engineering enable us to be prime development partner for new methacrylate monomer building blocks.

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Global

Evonik Performance Materials GmbH

Business Line Methacrylates

Kirschenallee

64293 Darmstadt

Germany

PHONE +49 6151 18-1002

NAFTA

Evonik Cyro LLC

299 Jefferson Road

Parsippany, NJ 07054-0677

USA

PHONE +1 800 225-0172

Asia Pacific

**Evonik Specialty Chemicals
(Shanghai) Co., Ltd**

55 Chundong Road,

Xinzhuan Industrial Park,

Shanghai 201108

China

PHONE +86 21 6119-1695

visiomer@evonik.com, www.visiomer.com, www.evonik.com