hubergroup Chemicals

Designed in Germany – Made in India

hubergroup Chemicals is one of the largest manufacturers in the chemical sector, offering a broad product portfolio of specialty chemicals, including Pigments and Concentrates, Lamination Adhesives, UV-Monomers, and UV-Oligomers. With our custom manufacturing business, we can also design and manufacture products exactly to our customers' requirements. We are committed to innovation and excellence, offering a wide array of specialty chemicals tailored to meet the unique demands of our valued clients. To date, hubergroup Chemicals has developed into a major chemical supplier that sells its products to all over the world, in all business areas and to customers ranging from SMEs to large, world-renowned chemical companies.

Let's Stay In Touch

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UV-Curing Monomers for Performance Coatings

Your Go-To Monomers: Practical Solutions for UV-Curable Systems

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Synergy between performance and innovation: Our UV-Curing Monomers for Coatings

Key Facts: By leveraging cutting-edge formulations, our monomers support high reactivity and rapid curing, enabling efficient processes and exceptional surface quality. Additionally, we remain committed to compliance with evolving regulatory standards, offering safe, reliable, and sustainable solutions.

What are UV-Curing Monomers? UV monomers are essential components of UV-curable coatings and **influence** both the **curing properties** and the **mechanical** and **chemical characteristics** of the final coating film.

What are the benefits to you? Our comprehensive range of UV-curing monomers is designed to meet the demanding requirements of modern coatings, inks, and adhesives. Featuring proven products such as **TMPTA, TPGDA, HDDA, DPGDA, PETIA, EOTMPTA**, and **GPTA**, this portfolio delivers tailored solutions for diverse applications. Whether you require hardness, flexibility, or resistance to environmental stress, our monomers provide the ideal balance of properties to enhance performance.

Our Product Range:

Product	Product Description	Functionality	Viscosity	Colour	Acid Value
			mPa*s	APHA	mg KOH/g
UHVM-22701	TMPTA	3	80 - 135	≤ 50	≤ 4
UHVM-22702	TPGDA	2	30 - 40	≤ 50	≤ 0.5
UHVM-24703	HDDA	2	5 - 30	≤ 30	≤ 0.5
UHVM-22704	DPGDA	2	20 - 30	≤ 50	≤ 0.2
UHVM-22707	PETIA	3 - 4	700 - 3000	≤ 70	≤ 10
UHVM-22709	EOTMPTA	3	70 - 110	≤ 30	≤ 0.5
UHVM-22710	GPTA BIO BASED	3	110 - 150	≤ 30	≤ 2

Viscosity: Brookfield

The choice of monomer depends on the requirements of the final application:

Hardness and resistance: TMPTA, PETIA

Flexibility and toughness: TPGDA, GPTA

Balanced properties: HDDA, EOTMPTA

Viscosity adjustment and processability: DPGDA, EOTMPTA

Each monomer contributes specific properties to the final coating, allowing the formulation to be tailored precisely to the desired mechanical, optical, and chemical properties.

Overview of properties and applications

Product	Product Description	Properties	Applications
UHVM-22701	TMPTA	High reactivity, imparts hardness and chemical resistance to the coating film. TMPTA has been classified as a Cat. 2 carc. under EU's CLP.	Suitable for hard, abrasion-resistant, and chemically durable coatings, such as for wood or plastic coatings.
UHVM-22702	TPGDA	Low viscosity, promotes good flexibility and moderate reactivity.	Improves processability and is ideal for flexible coatings, for printing inks for flexible packaging.
UHVM-24703	HDDA	Very low viscosity similar to TPGDA but provides slightly higher hardness and reactivity. Supports adhesion on plastic subtrates	Used for coatings that balance hardness and flexibility.
UHVM-22704	DPGDA	Low viscosity, similar to TPGDA, but with slightly less flexibility.	Often used to reduce formulation viscosity and ensure good curing performance.
UHVM-22707	PETIA	High functionality, leading to a high crosslinking density. This imparts extreme hardness and chemical resistance to the coating.	Ideal for very hard and chemically resistant coatings.
UHVM-22709	EOTMPTA	Lower viscosity compared to TMPTA and easier handling. Provides a good balance of hardness and flexibility.	Suitable for applications requiring excellent processability and high chemical resistance.
UHVM-22710	GPTA BIO BASED	Moderately flexible properties with a slightly lower crosslinking density than TMPTA, enhancing the toughness of the coating film.	Commonly used in formulations for flexible or tough-elastic coatings.