

Knowledge in action

Monomers

Product catalog



NORDMANN

Methacrylate portfolio RÖHM



biobased specialty methacrylate monomers

MERACRYL®	Chemical Name and Stabilisation ppm MEHQ	Formula	Glass transition Temperature T _g	Main applications
MMA	Methyl methacrylate 15/20/50/100 ppm MEHQ 30 ppm DMBP (Topanol A) 60/70 ppm HQ CAS No. 80-62-6		105 °C	
GMAA	Methacrylic acid 200 ppm MEHQ CAS No. 79-41-4		185 °C	
n-BMA	n-Butyl methacrylate 200 ppm MEHQ CAS No. 97-88-1		20 °C	
i-BMA	i-Butyl methacrylate 25/100 ppm MEHQ CAS No. 97-86-9		53 °C	
HEMA 98	2-Hydroxyethyl methacrylate 25/100 ppm MEHQ CAS No. 768-77-9		55 °C	
HPMA 98	Hydroxypropyl methacrylate 200 ppm M CAS No. 27813-02-1		73 °C	
MAAmide	Methacrylamide -- CAS No. 79-39-0		250 °C	
ACH	Acetoncyanohydrin 1000-3000 MEHQ CAS No. 75-86-5			
pro Terra MMA	Methyl methacrylate 15/25/50 ppm MEHQ 30 ppm DMBP (Topanol A) 60/70 ppm HQ CAS No. 80-62-6		105 °C	



Adhesives



Coatings



Composites



Construction



Inks



Oil & Gas



Paper & Water



Plastics



Personal & Health Care



Rubber



Synthesis



Textile & Leather



Specialty methacrylates EVONIK



VISIOMER® biobased specialty methacrylate monomers

Alkyl/aryl (meth)acrylates

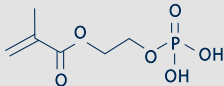
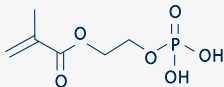
VISIOMER®	Chemical Name	Formula	Glass transition Temperature T_g	Main applications
EHMA 	2-Ethylhexyl methacrylate CAS No. 688-84-6		-10 °C	
IDMA	Isodecyl methacrylate CAS No. 29964-84-9		-30 °C	
Terra C13-MA 	Methacrylic ester 13.0 CAS No. 90551-76-1		-46 °C	
Terra C17,4-MA 	Methacrylic ester 17.4 CAS No. 90551-84-1		-22 °C	
c-HMA	Cyclohexyl methacrylate CAS No. 101-43-9		110 °C	
IBOA	Isobornyl acrylate CAS No. 5888-33-5		96 °C	
Terra IBOMA 	Isobornyl methacrylate CAS No. 7534-94-3		150 °C	
BNMA 	Benzyl methacrylate CAS No. 2495-37-6		54 °C	
TMCHMA 	3,3,5-Trimethylcyclohexyl-methacrylat CAS No: 779-31-9		130 °C	
Terra OCMA 	2-Octyl Methacrylate CAS No: 63616-15-9		-46 °C	

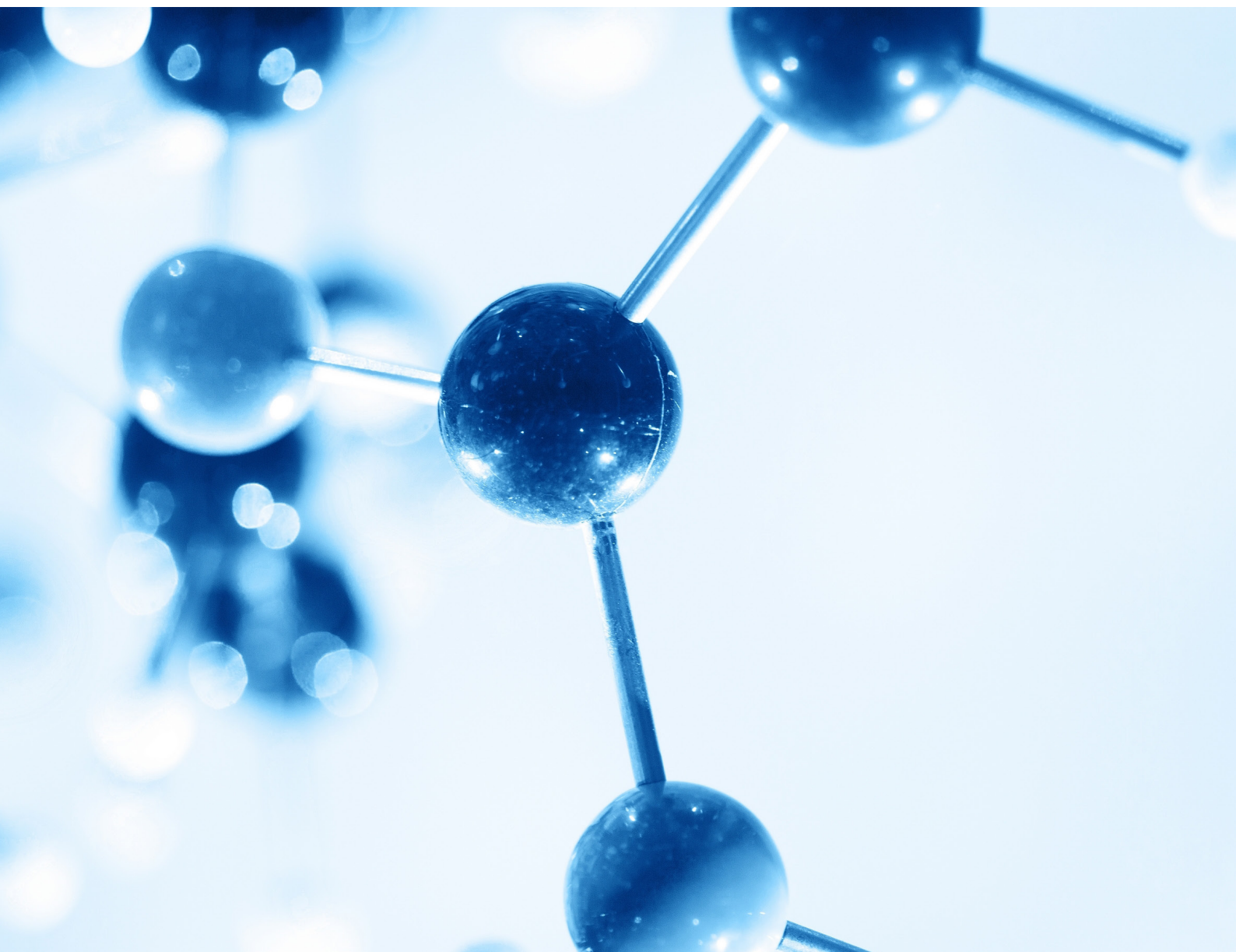


Specialty methacrylates EVONIK

 VISIOMER® biobased specialty methacrylate monomers

Phosphate methacrylates

VISIOMER®	Chemical Name	Formula	Glass transition Temperature T _g	Main applications
HEMA-P 70M	2-Methacryloyloxyethyl phosphate 70% solution in methyl methacrylate CAS No. 52628-03-2			
HEMA-P 100	2-Methacryloyloxyethyl phosphate CAS No. 52628-03-2			





Specialty methacrylates EVONIK



VISIOMER® biobased specialty methacrylate monomers

Crosslinkers

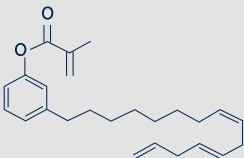
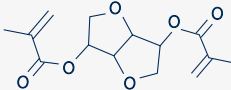
VISIOMER®	Chemical Name	Formula	Main applications
AMA	Allyl methacrylate CAS No. 96-05-9		
EGDMA 	Ethylene glycol dimethacrylate CAS No. 97-90-5		
TRGDMA 	Triethylene glycol dimethacrylate CAS No. 109-16-0		
PEG 200 DMA 	Polyethylene glycol 200 dimethacrylate CAS No. 25852-47-5		
PEG 8000 DMA W 	Polyethylene glycol 8000 dimethacrylate (50% in water), CAS No. 25852-47-5		
1,3-BDDMA 	1,3-Butanediol dimethacrylate CAS No. 1189-08-8		
1,4-BDDMA 	1,4-Butanediol dimethacrylate CAS No. 2082-81-7		
1,6-HDDMA 	1,6-Hexanediol dimethacrylate CAS No. 6606-59-3		
GDMA 	Glycerol dimethacrylate CAS No. 28497-59-8		
TMPTMA	Trimethylolpropane trimethacrylate CAS No. 3290-92-4		
HEMATMDI	Diurethane dimethacrylate CAS No. 72869-86-4		
VISOMER 6976	Benzophenone Methacrylat		



Specialty methacrylates EVONIK

 **VISIOMER®** biobased specialty methacrylate monomers

Sustainable crosslinking methacrylates

VISIOMER®	Chemical Name	Formula	Main applications
Terra CARMA 	Cardanol methacrylate CAS No. 2851905-78-5		
Terra ISDMA 	Isosorbide dimethacrylate CAS No. 108646-62-4		





Specialty methacrylates EVONIK



VISIONER® biobased specialty methacrylate monomers

Ether/acetal methacrylates

VISIONER®	Chemical Name	Formula	Glass transition Temperature T _g	Main applications
ETMA 	Ethyl triglycol methacrylate CAS No. 39670-09-2		-31 °C	
THFMA 	Tetrahydrofurfuryl methacrylate CAS No. 2455-24-5		40 °C	
BDGMA 	Butyl diglycol methacrylate CAS No. 7328-22-5		-56 °C	
C18 PEG 1105 MA W	Methacrylic ester (25 EO) C16C18 fatty alcohol (in water/GMAA) CAS No. 70879-51-5		-	
MPEG 500 MA 	Methoxypolyethylene glycol 500 methacrylate CAS No. 26915-72-0		- 61 °C	
MPEG 750 MA W 	Methoxypolyethylene glycol 750 methacrylate (50% in water) CAS No. 26915-72-0		-	
MPEG 1005 MA W	Methoxypolyethylene glycol 1000 methacrylate (50% in water) CAS No. 26915-72-0		-	
MPEG 2005 MA W	Methoxypolyethylene glycol 2000 methacrylate (50% in water) CAS No. 26915-72-0		-	
MPEG 5005 MA W	Methoxypolyethylene glycol 5000 methacrylate (50% in water) CAS No. 26915-72-0		-	
Terra IPGMA 	Isopropylideneglycerine methacrylate CAS No. 7098-80-8		42 °C	



Adhesives



Coatings



Composites



Construction



Inks



Oil & Gas



Paper & Water



Plastics



Personal & Health Care



Rubber



Synthesis

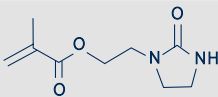
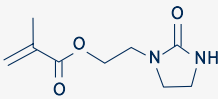


Textile & Leather

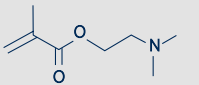
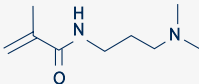
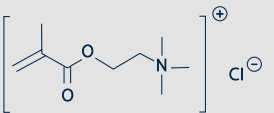
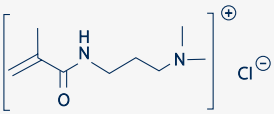
Specialty methacrylates EVONIK

 **VISIOMER®** biobased specialty methacrylate monomers

Wet adhesion monomers

VISIOMER®	Chemical Name	Formula	Main applications
MEEU 50 W	N-(2-Methacryloyloxyethyl) ethylene urea (50% in water) CAS No. 86261-90-7		
MEEU 25 M	N-(2-Methacryloyloxyethyl) ethylene urea (25% in methyl methacrylate) CAS No. 86261-90-7		

Amino methacrylates

VISIOMER®	Chemical Name	Formula	Glass transition Temperature T _g	Main applications
MADAME	2-Dimethylaminoethyl methacrylate CAS No. 2867-47-2		18 °C	
DMAPMA	3-Dimethylaminopropyl methacrylamide CAS No. 5205-93-6		96 °C	
 TMAEMC	2-Trimethylammoniummethyl methacrylate chloride (75% in water) CAS No. 5039-78-1		-	
 MAPTAC	3-Trimethylammoniumpropyl methacryl amide chloride (50% in water) CAS No. 51410-72-1		-	





Specialty methacrylates EVONIK



VISIOMER® biobased specialty methacrylate monomers

Specialty methacrylamides

VISIOMER®	Chemical Name	Formula	Main applications
N-MMAA	N-Methylol methacrylamide (60% in water) CAS No. 923-02-4		
N-iPMAA	N-Isopropyl methacrylamide CAS No. 13749-61-6		

Specialty intermediates

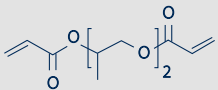
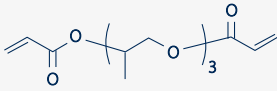
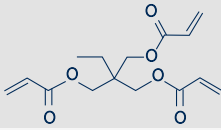
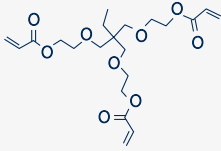
VISIOMER®	Chemical Name	Formula	Main applications
MAAH	Methacrylic anhydride CAS No. 760-93-0		
ECH 	Ethylene cyanohydrin CAS No. 109-78-4		

Methacrylates for contact lenses

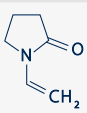
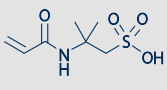
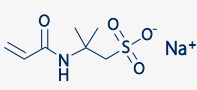
VISIOMER®	Chemical Name	Formula	Glass transition Temperature T _g	Main applications
UHP-HEMA 	2-Hydroxyethyl methacrylate CAS No. 868-77-9		55 °C	
Terra GMMA 	Glycerol monomethacrylate CAS No. 5919-74-4		-	



UV Curing di- & trifunctional acrylates

Product name	Chemical Name and Stabilisation ppm MEHQ	Formula	Acid value (mg KOH/g)	Main applications
DPGDA	Dipropylene Glycol Diacrylate 150-400 MEHQ CAS No. 42978-66-5		50.2	 
TPGDA	Tripropylene Glycol Diacrylate 150-400 MEHQ CAS No. 42978-66-5		50.2	 
TMPTA	Trimethylpropane Triacrylate CAS No. 15625-89-5		50.2	  
EO3-TMPTA	Ethoxylated Trimethylpropane Triacrylate CAS No. 28961-43-5		50.2	  

Other Monomers

Product name	Chemical Name and Stabilisation ppm MEHQ	Formula		Main applications
NN-DMAA	N,N-dimethyl acrylamide CAS No. 2680-03-7			 
NVP	N-Vinyl-2-Pyrrolidone CAS No. 88-12-0		BP 90-92 °C MP 13.6 °C	   
ATBS	Acrylamide Tertiary Butyl Sulfonic Acid CAS No: 15214-89-8		Acid value 265 -275 mg KOH/g	      
Na-ATBS	Sodium Salt of 2-Acrylamido-2-Methylpropane Sulfonic Acid CAS No: 5165-97-9		BP 110°C	      



Broad Range of Application Areas

Alkyl/Aryl Meth-acrylates	Crosslinker Meth-acrylates	Ether/Acetal Meth-acrylates	Amino Meth-acrylates	Phosphate Meth-acrylates	Hydroxy Meth-acrylates	Adhesion Monomers	Specialty Inter-mediate	Specialty Meth-acrylamides
eCO EHMA 22% sustainable content 	AMA	ETMA 	MADAME	HEMA-P 70M	UHP-HEMA 	MEEU 50 W	MAAH	N-MMAA
IDMA	EGDMA 	THFMA 	DMAEMA	HEMA-P 100	HEMA	MEEU 25 M	ECH 	N-IPMAA
Terra C13-MA 76%	TRGDMA 	BDGMA 	TMAEMC 		HPMA		ACH NVP	MAAamide
Terra C17,4-MA 81%	PEG200/8000 DMA 50%	C18 PEG 1105 MA W 	MAPTAC 					N-DMAA
c-HMA	1,3-BDDMA 	MPEG 500 MA 						ATBS Na-ATBS
IBOA	1,4-BDDMA 	MPEG 750 MA W 						
Terra IBOMA 71%	1,6-HDDMA 	MPEG 1005 MA W 						
BNMA 	GDMA 	MPEG 2005 MA W 						
¹ TMCHMA 	TMPTMA	MPEG 5005 MA W 						
³ Terra ODMA 66%	HEMATMDI	^{1,2} Terra IPGMA 30%						
pro Terra MMA/MMA n-BMA i-BMA	^{1,2} Terra ISDMA 43%							
	^{1,3} Terra CARMA 84%							
	VISIOMER 6976							

VISIOMER® products are made from raw materials with Bio-Carbon content.
 VISIOMER® Terra products are friendly-labelled and contribute to sustainable solutions with high Bio-Carbon content.

Label-free products carry:

- no hazardous pictogram
- no H-phrases (except 1,6-HDDMA*) and
- are non-skin sensitizing

Our definition of “label-friendly”:

- only the pictogram “Exclamation Mark” (GHS07) is acceptable as hazardous pictogram - No other pictograms are allowed.
- only the signal word “Warning” is accepted*

Label-friendly VISIOMER® Methacrylates – Skin sensitizing classification

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.

¹developmental product

²Third-party, independently certified by DIN CERTCO ASTM D6866 radiocarbon method

³Bio content is calculated as the ratio C-number alcohol / C-number methacrylate

Monomers

Product name	Abbreviation	CAS Number	Supplier
1,3-Butanediol Dimethacrylate	1,3 BDDMA	1189-08-8	Evonik
1,4-Butanediol Dimethacrylate	1,4 BDDMA	2082-81-7	Evonik
1,6-Hexanediol Dimethacrylate	1,6 HDDMA	6606-59-3	Evonik
2-Ethylhexyl Methacrylate	EHMA	688-84-6	Evonik
2-Hydroxyethyl Acrylate	HEA	818-61-1	on request
2-Hydroxypropyl Acrylate	HPA	999-61-1	on request
2-Methoxyethyl Acrylate	MEA	3121-61-7	on request
2-Phenoxyethyl Acrylate	PEA	48145-04-6	on request
2-Propylheptyl Acrylate	PHA	149021-58-9	on request
2-Trimethyl-ammonioethyl Methacrylate Chloride	TMAEMC	5039-78-1	Evonik
3-Trimethylammoniumpropyl Methacrylamide Chloride	MAPTAC	51410-72-1	on request
4-Hydroxybutyl Acrylate	HBA	211-39-1	on request
Allyl Methacrylate	AMA	71-71-9	Evonik
Behenyl Acrylate	BEA 1822	13402-02-3 (C16)	on request
Behenyl Acrylate	BEA 1822	4813-57-4 (C18)	on request
Behenyl Acrylate	BEA 1822	48076-38-6 (C20)	on request
Behenyl Acrylate	BEA 1822	18299-85-9 (C22)	on request
Behenyl Polyethoxy Methacrylate	KG 5000 (BEM)	115047-92-2	on request
Benzophenone Methacrylat	VISOMER 6976		Evonik
Benzyl Methacrylate	BNMA	2495-37-6	Evonik
Butyl diglycol Methacrylate	BDGMA	7328-22-5	Evonik
Cyclohexyl Acrylate	CHA	3066-71-5	on request
Cyclohexyl Methacrylate	CHMA	101-43-9	Evonik
Dihydrodicyclopentadienyl Acrylate	DCPA	12542-30-2	on request
Dipropylene Glycol Diacrylate	DPGDA	25265-71-8	Nordmann
Diurethane Dimethacrylate	HEMATMDi	72869-86-4	Evonik
Ethoxylated Trimethylpropane Triacrylate	EO3-TMPTA	28961-43-5	Nordmann
Ethyl Methacrylate	EMA	97-63-2	Nordmann
Ethyldiglycol Acrylate	EDGA	7328-17-8	on request
Ethylene Glycol Dimethacrylate	EGDMA	97-90-5	Evonik
Ethylenetriglycol Methacrylate	ETMA	39670-09-2	Evonik
Glycerol Dimethacrylate	GDMA	1830-78-0	Evonik



Monomers

Product name	Abbreviation	CAS Number	Supplier
Glycerol Mono Methacrylate	GMMA	5919-74-4	on request
Glycidyl Methacrylate	GMA	106-91-2	Mitsubishi
Hydroxyethyl Methacrylate	HEMA	868-77-9	Röhm
Hydroxypropyl Methacrylate	HPMA	27813-02-1	Röhm
i-Butyl Methacrylate	i-BMA	97-86-9	Röhm
Isobornyl Acrylate	IBOA	5888-33-5	Evonik
Isobornyl Methacrylate	IBOMA	7534-94-3	Evonik
Iso-Butyl Acrylate	IBA	106-63-8	on request
Isodecyl Acrylate	IDA	1330-61-6	on request
Isodecyl Methacrylate	IDMA	29964-84-9	Evonik
Lauryl Acrylate	LA	2156-97-0	on request
Lauryl Methacrylate	LMA	142-90-5	Evonik
Methacrylamide	MAAmide	79-39-0	Röhm
Methacrylate Ester of C13-C15 Pareth-20 Ethoxylated	KG 5021	97332-22-4	on request
Methacrylate Ester of Cetyl Alcohol Ethoxylate	KG 5014	75819-41-9	on request
Methacrylic Acid	GMAA	79-41-4	Röhm
Methacrylic Anhydride	MAAH	760-93-0	Evonik
Methacrylic Ester 13.0	C13,O-MA	90551-76-1	Evonik
Methacrylic Ester 17.4	C17,4-MA	90551-84-1	Evonik
Methoxypolyethylene Glycol 750 Methacrylate (50% in water)	MPEG 750 MA W	26915-72-0	Evonik
Methyl Methacrylate	MMA	80-62-6	Röhm
N-(2-Methacryloyloxyethyl) Ethylene Urea (25% in methyl methacrylate)	MEEU 25	86261-90-7	Evonik
N-(2-Methacryloyloxyethyl) Ethylene Urea (50% in Water)	MEEU 50W	86261-90-7	Evonik
N-(2-Methacryloyloxyethyl) Ethylene Urea (50% in Water)	MEEU 50W	86261-90-7	Evonik
N,N-Dimethyl Acrylamide 99%	NN-DMAA 99%	284-95-7	RBL
N,N-Dimethyl Acrylamide 99.5%	NN-DMAA 99.5%	284-95-7	RBL
N,N-Methylene bis Acrylamide	MBAA	110-26-9	RBL
N-Butoxymethyl Acrylamide	NBMA	1852-16-0	RBL
n-Butyl Methacrylate	n-BMA	97-88-1	Röhm
n-Hexyl Acrylate	HexA	2499-95-8	on request

Monomers

Product name	Abbreviation	CAS Number	Supplier
N-Methoxymethyl Acrylamide	NMMA	637-29-8	on request
N-Methylol Methacrylamide	n-MMAA	923-02-4	Evonik
N,N-Dimethylaminoethyl Methacrylate	DMAEMA/MA-DAME	2867-47-2	Evonik
N-Vinyl Pyrrolidone	NVP	88-12-0	Nordmann
Polyethoxy Lauryl Methacrylate	KG 5033	50977-30-5	on request
Polyethoxy Stearyl Methacrylate	KG 5038	52352-43-9	on request
Polyethoxy Tristyryl Phenol Methacrylate	KG 5044 (SEM)	174200-85-2	on request
Polyethylene Glycol 200 Dimethacrylate	PEG200DMA	25852-47-5	Evonik
Stearyl Acrylate	SA	4813-57-4	on request
Stearyl Methacrylate	SMA	32360-05-7	Evonik
tert-butyl Acrylamide	TBAA	107-58-4	on request
tert-Butyl Acrylate	TBA	1663-39-4	on request
Tetrahydrofurfuryl Acrylate	THFA	2399-48-6	on request
Tetrahydrofurfuryl Methacrylate	THFMA	2455-24-5	Evonik
Triethylene Glycol Dimethacrylate	TRGDMA	109-16-0	Evonik
Trimethylammoniummethyl Methacrylate Chloride	TMAEMC	5039-78-1	Evonik
Trimethylol-propane Trimethacrylate	TMPTMA	3290-92-4	Evonik
Trimethylpropane Triacrylate	TMPTA	15625-89-5	Nordmann
Tripropylene Glycol Diacrylate	TPGDA	42978-66-5	Nordmann
Ultra High Purity Hydroxy Ethyl Methacrylate	UHP HEMA	868-77-9	Evonik



Nordmann Portfolio

Adhesives & Sealants

Agrochemicals

Catering & Equipment

Ceramics

Coatings & Inks

Composites

Construction

Electronics

Fine Chemicals

Flame Retardants

Food

Foundry

Health Care

HI&I

Industrial Chemicals

Monomers

Oil, Gas & Lubricants

Oleochemicals

Optical

Paper

Personal Care

Plastics

Polyurethane Elastomers

Rubber

Silicone Elastomers

Textile & Leather

Water Treatment

All the information and application knowledge presented here is based on practical experience and research. However, it is non-binding information. We therefore strongly recommend that you carry out your own tests before using our products. This applies in particular to our formulations, which only represent a starting point for individual developments and for which we can provide no guarantee.

The user alone is responsible for testing in the respective countries concerned and with regard to possible conflicting industrial property rights of third parties (e.g. patents). In this respect, we assume no liability for formulations or partial recipes. Our products are sold according to our General Conditions of Sale.



Advertising for dangerous substances

Dangerous substance as per Regulation (EC) No 1272/2008. This substance is classified and assigned in accordance with the requirements of the aforementioned ordinance. For further information on this substance, please refer to the safety data sheet.

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Turkey
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