





Specialty Acrylic Monomers & Polymers





Performance Materials For:

- Medical Devices
- Coatings & Adhesives
- Inks & Toners
- Water Treatment
- Personal Care



HIGH PURITY MONOMERS FOR CONTACT LENSES AND INTRAOCULAR LENSES

HEMA

2-Hydroxyethyl methacrylate CAS: 868-77-9 99%, 20 ppm MEHQ Multiple grades available

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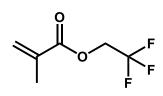
ОН

DMA

N,N-Dimethylacrylamide CAS: 2680-03-7 99.5%

TFEMA

2,2,2-Trifluoroethyl methacrylate CAS: 352-87-4 99.6%, 20 ppm MeHQ



SIGMMA

Methyl di(trimethylsiloxy)silylpropylglyceryl methacrylate CAS: 69861-02-5 96%

GMMA

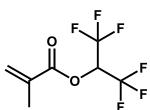
Glyceryl monomethacrylate CAS: 5919-74-4 99%

ВНРЕА

2-(4-Benzoyl-3-hydroxyphenoxy)ethyl acrylate CAS: 16432-81-8 98%, Off-white powder

HFIPM

1,1,1,3,3,3-Hexafluoroisopropyl methacrylate CAS: 3063-94-3 99.3%, n_D25=1.330

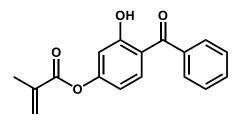


MOEMA 2-Metho

2-Methoxyethyl methacrylate CAS: 6976-93-8 99.5%, 20 ppm MEHQ

HMBP

2-Hydroxy-4-methacryloxybenzophenone CAS: 2035-72-5 98%, Light yellow powder

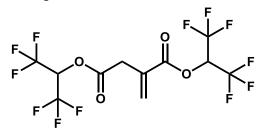


RB19-VS

CAS: 14541-90-3 Blue dye powder

ЗНІ

Bis-(1,1,1,3,3,3-hexafluoroisopropyl) itaconate CAS: 98452-82-5 99%, n_D25=1.334



HIGH PURITY MONOMERS FOR CONTACT LENSES AND INTRAOCULAR LENSES

CAS: 2370-63-0

99%, 15ppm HQ

Ethoxyethyl methacrylate

EGDMA

Ethyleneglycol dimethacrylate CAS: 97-90-5 99.5%, 60 ppm MEHQ $n_D 25 = 1.45$

EA Ethyl acrylate CAS: 140-88-5 99.5%, 10 ppm MEHQ

EMA

Ethyl methacrylate CAS: 97-63-2 99.5%, 10 ppm MEHQ

EOEMA

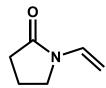
MAA Methacrylic acid CAS: 79-41-4 99.5%

HOBMA

Hydroxybutyl methacrylate CAS: 29008-35-3 97%, Mixture of isomers

NVP DEVELOPMENTAL

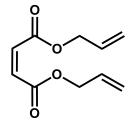
N-Vinyl pyrrolidinone CAS: 88-12-0 99%



MALEATE ESTERS

DIAM

Diallyl maleate CAS: 999-21-3

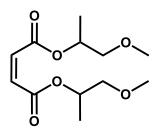


Trifunctional double reactivity gives polymer branching at low usage levels and crosslinking at high levels. Useful for applications needing second stage curing operations. Used in resins and silicone release coatings.

DMPM

Bis-(2-methoxy-methylethyl) maleate

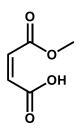
CAS: 102054-10-4



Used in silicone release coatings

MMM

Monomethyl maleate CAS: 3052-50-4



MEM

Monoethyl maleate CAS: 3990-03-2

MBM

Monobutyl maleate CAS: 925-21-3



ANIONIC MONOMERS

BETA-C

Beta-carboxyethyl acrylate CAS: 24615-84-7 1000 ppm MEHQ $n_{D}25=1.455$

Unique carboxylated monomer with lower T_g (30°C) than acrylic acid (106°C). Used in pressure sensitive adhesives and as a low volatility replacement for acrylic radiation curing applications.

CS-AHPS

Sodium 1-allyloxy-2-hydroxypropyl sulfonate Ammonium allyloxypolyethoxy (10) CAS: 52556-42-0 40% Solution in water

sulfate

CAS: 55866-85-8

Copolymerizable surfactants. Promotes stability and adhesion in emulsion polymers. Combines both anionic and nonionic character. Latexes exhibit excellent mechanical stability, chemical stability, and good water resistance. Paints made from these latexes have been shown to exhibit improved gloss characteristics.

Other applications include water treatment, construction superplasticizers, dispersions for clay, mineral processing etc.

ALKOXYLATED MONOMERS

BEM-25/100

Waxy solid

BEM-25/50

50% solution in water Behenyl polyethoxy (25) methacrylate

CAS: 125441-87-4

CSEM-25/100

Waxy solid

CSEM-25/80

75% solution in water Cetylstearyl polyethoxy (25) methacrylate

CAS: 70879-51-5

Ethoxylated monomers with varying hydrophilic / lipophilic balance. Able to modify the surface activity of water-soluble polymers used in cosmetic and thickening applications.

HEMA-10

Polyethoxy (10) methacrylate CAS: 25736-86-1

Incorporated into water-soluble polymers to make dispersants and anti-scalants. Enhances latex stability in emulsion polymerization.

LEM-23/100 **DEVELOPMENTAL**

Lauryl polyethoxy (23) methacrylate CAS: 136505-03-8

Waxy solid

ALLYL FUNCTIONAL MONOMERS

DAEBPA

Diallylether Bisphenol A CAS: 3739-67-1

Ortho diallyl Bisphenol A

CAS: 1745-89-7

 $n_{D}25 = 1.580$

Used in tough, impact resistant composites with high heat, chemical, and water resistance. Also used in coatings with high heat and chemical resistance, insulators, printed circuit boards, and photoresists.

DABP

4,4'-Diallyloxybenzophenone

CAS: 136074-26-5

99%, white to light yellow powder

Used for heat-resistant resin compositions and as a photoinitiator in films and coatings.

TAE

DEVELOPMENTAL

Tetraallyloxyethane CAS: 16646-44-9

Highly effective crosslinker. Polymers have improved mechanical properties, as well as improved chemical and high temperature resistance.

APE

Allyl phenyl ether CAS: 1746-13-0 99%, $n_D 20 = 1.522$

High refractive index monomer used in high tech applications.

DAC

Diallyl chlorendate CAS: 3232-62-0

Highly active photoinitiator in radiation cure formulations for printing plates, fire retardant and hydrolysis resistant polymers, and screen printable UV curable inks.

AAE-10

Hydroxypolyethoxy (10) allyl ether

CAS:27274-31-3

Difunctional monomer used in dispersants, scale inhibitors, and flocculants. Soluble in both water and organic solvents.

2-AP

2-Allyl phenol CAS: 1745-81-9 98.5%, $n_D 20 = 1.546$

Used in pharma, allyl substituted phenolics, and polyesters.

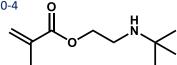


ACRYLIC MONOMERS

TBAEMA

tert-Butylaminoethyl Methacrylate CAS No. 3775-90-4 **O**

98%



Used in adhesives, coatings, oil additives, textiles (as a dye additive), photopolymer plates, photoresists, paints, rubber modifiers, dental composites and cosmetics. It can be incorporated in flocculants or coagulants for water treatment and is an excellent stabilizer or surface active demulsifier in oil/water separations and in liquid dispersion polymers.

PTEA

DEVELOPMENTAL

Phenylthioethyl acrylate

CAS: 95175-38-5 n_D20=1.557

Used for production of thin films of high refractive index by photo-polymerization. Its polymers exhibit inherent antioxidant properties.

PEA

DEVELOPMENTAL

2-Phenylethyl acrylate

CAS: 3530-36-7 98%, n_D20=1.511

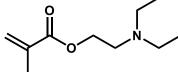
Used for production of photopolymer films and optical polymeric material.

DEAEMA

N,N-Diethylaminoethyl Methacrylate

CAS No. 105-16-8

99%



Used in adhesives, coatings, oil additives, and textiles (as a dye additive). The amine group can be quaternized to give water-soluble ammonium salts used in flocculants or coagulants for water treatment. Good adhesion promoter for industrial cans and automotive clear coatings.

BPA(2EO)DMA

DEVELOPMENTAL

Ethoxylated (2EO) Bisphenol A dimethacrylate CAS No. 24448-20-2

BHPEA

2-(4-Benzoyl-3-hydroxyphenoxy)ethyl acrylate

CAS: 16432-81-8 98%, Off-white powder

DDA

1,10-Decane diacrylate CAS: 13048-34-5

200 ppm MEHQ

DDDMA

DEVELOPMENTAL

1,12-Dodecane dimethacrylate CAS:72829-09-5

TDMA

DEVELOPMENTAL

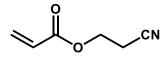
Tridecyl methacrylate CAS: 2495-25-2

Long chain hydrophobic crosslinker, used for flexible dental materials, radiation curable coatings with improved weatherability, and transparent resins for plastic lenses.

ACRYLIC MONOMERS

2-CEA

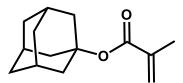
2-Cyanoethyl acrylate CAS: 106-71-8 600 ppm MEHQ



Used in resins for liquid crystal devices and polymers with improved adhesion.

ADMA DEVELOPMENTAL

1-Adamantyl methacrylate CAS: 16887-36-8



Photoresists with high etch resistance. Extremely high temperature resistant optical polymers. Holographic image recording materials etc. Forms polymers of high $T_{\rm g}$ (220°C).

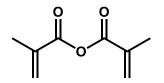
DMANPA

Dimethylaminoneopentyl acrylate CAS: 20166-73-8 99%, n_D25=1.437

Used in dental resins and other radiation curable applications.

MAN

Methacrylic anhydride CAS: 760-93-0 97%



Used to functionalize monomers and polymers with methacrylate groups.

HEX-A

n-Hexyl acrylate CAS: 2499-95-8 98%, 100 ppm HQ

Variety of uses in adhesives, paints, coatings, inks, etc.

ΗМА

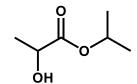
n-Hexyl methacrylate CAS: 142-09-6 99%

Variety of uses in adhesives, paints, coatings, inks, etc.

OTHER SPECIALTY MONOMERS

IPL

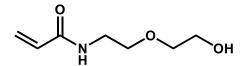
Isopropyl lactate CAS: 63697-00-7



Aqueous ink formulations.

AAEE

N-Acryloylamido-ethoxyethanol CAS: 89911-50-2 50% Solution in water



Electrophoresis and sensor applications.

DSF

Disodium fumarate
CAS: 17013-01-3
White powder

Na

O

Na

Na

Na

Na

Can be used in personal care as buffering agent or pH adjuster.

MTPS

Methacrylated polystyrene CAS: 96-33-3

35% Solution in cyclohexane or white powder

MTPS is a low molecular weight polystyrene resin with a single methacrylate ester end-group. Resin properties match polystyrene. Solution properties depend on the type and amount of monomer or solvent in which the resin product is dissolved. Key advantages:

- → Improves toughness while maintaining the thermoplastic nature of the end polymer
- → Readily copolymerizable with many acrylates and acrylamides.
- → Soluble in a wide range of organic solvents
- → In adhesive formulations it is known to increase shear strength with minimal effect on peel strength

Average molecular weight: 12,000 g/mol



ACID CHLORIDE MONOMERS

AC

Acryloyl chloride CAS: 814-68-6 99%

S_{CI}

Used to make acrylate / methacrylate monomers and to functionalize polymers with acrylate or methacrylate groups.

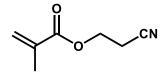
MAC

Methacryloyl chloride CAS: 920-46-7 99%

EXPERIMENTAL PRODUCTS

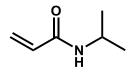
2-CEMA

2-Cyanoethyl methacrylate CAS: 4513-53-5



NIPAM

N-Isopropylacrylamide CAS: 2210-25-5

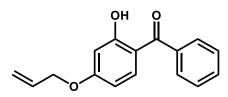


THFMA

Tetrahydrofurfuryl methacrylate CAS: 2455-24-5 $n_D 20=1.455$

AHBP

4-Allyloxy-2-hydroxy benzophenone CAS: 2549-87-3



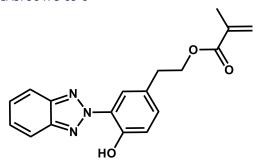
PAPMA

4-(Phenylazo) phenyl methacrylate CAS: 3774-20-7

Provides UV blocking properties, reacts into the system and will not migrate out.

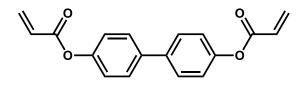
BZEMA

2-[2-Hydroxy-5-[2-(methacryloyloxy)ethyl]phenyl]-2H-benzotriazole CAS: 96478-09-0



BPDA

Biphenyl diacrylate CAS: 84948-17-4



TEGDMA

Triethyleneglycol dimethacrylate

CAS: 109-16-0



Enabling Your Technology

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