



Chemical Intermediates

With our market-leading brands like Bisomer® and TRIMET®, our chemicals range is designed around a variety of different needs and challenges.

From resins to architectural finishes, adhesives to paint and coatings, there is something for every application.

But what they have in common is their quality.

GEO's Paints & Coatings Division helps formulators develop new products and solutions across a wide variety of industries.

We not only deliver specialty monomers and polymers on a global scale, but we combine our practical capability with a more personal level of service and attention.



A more personal approach for your polymer synthesis

At GEO, we believe a greater level of understanding means a greater level of service. That's why our comprehensive chemicals range is designed around your specific needs and challenges, from water based automotive coatings to low VOC composites.

Our established processes, product innovation and agile UK and US manufacturing locations mean that we thrive in the small details. With GEO, you don't just get market-leading products like Bisomer[®] Specialty Monomers and TRIMET[®] TME. You get a close relationship, a can-do attitude and our full attention, whatever the size of your order.



Our products

- Hydroxy Methacrylates - HEMA, HPMA
- Polyether Methacrylates
- MPEG Methacrylates
- Mono-functional Methacrylates - LMA, BZMA
- Di-functional Methacrylates - TEGDMA, PEGDMA, BDDMA
- TRIMET TME - Trimethylolethane
- Polyether based Foam Control Additives
- Allyl functional Polyethers
- Specialty Polyethers and Polyesters



Our approach



A personal service

Our people are committed, knowledgeable and passionate about exceeding your expectations - because we take the time to understand your applications, we can recommend the ideal solution.



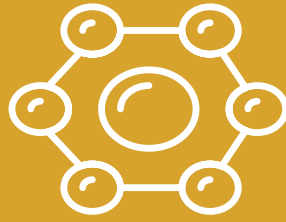
Established facilities

Our proven processes and manufacturing facilities enable us to deliver at scale all around the world. Whatever you need - and wherever you need it - we're here to help



Practical innovation

We're always looking for new ways to meet your needs. By spending time getting to know your organisation, our innovation is always driven by you - so new products, improvements and ideas deliver real value.



Chemical Intermediates

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Product List

Product Name	CAS #	Description	Features & Benefits
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HYDROXY MONOMERS

Bisomer [®] HEMA	868-77-9	Hydroxyethyl Methacrylate	Hydrophilic hydroxy based cross-linker
Bisomer [®] HPMA	27813-02-1	Hydroxypropyl Methacrylate	Hydrophobic hydroxy based cross-linker
Bisomer [®] PEA 6	26403-58-7	Polyethyleneglycol (6) Monoacrylate	Hydrophilic, plasticizing, low shrinkage, low PII value
Bisomer [®] PPA 6	50858-51-0	Polypropyleneglycol (6) Monoacrylate	Hydrophobic, plasticizing, low shrinkage, low PII value
Bisomer [®] PEM 6 LD	25736-86-1	Polyethyleneglycol (6) Monomethacrylate	Hydrophilic, non-toxic, plasticizing properties
Bisomer [®] PPM 5 LI	39420-45-6	Polypropyleneglycol (5) Monomethacrylate	Hydrophobic, non-toxic, plasticizing properties
Bisomer [®] PEM 63P HD	58916-75-9	Polyalkyleneglycol Monomethacrylate	Hydrophilic/hydrophobic balance, plasticizing properties

MONO-FUNCTIONAL MONOMERS

Bisomer [®] IDMA	29964-84-9	Isodecyl Methacrylate	Hydrophobic, internal polymer plasticization
Bisomer [®] LMA	142-90-5	Lauryl Methacrylate	Hydrophobic, internal polymer plasticization
Bisomer [®] LMA 97 SP	142-90-5	Lauryl Methacrylate	Hydrophobic, narrow molecular weight distribution
Bisomer [®] BZMA	2495-37-6	Benzyl Methacrylate	Hydrophobic, hardness, impact resistance, low viscosity
Bisomer [®] IPGMA	7098-80-8	Isopropylidenglycerol Methacrylate	Hydrophobic, low odour, low viscosity
Bisomer [®] MPEG350MA	26915-72-0	Methoxy PEG350 Methacrylate	Hydrophilic, polymer flexibility, copolymerisable surfactant
Bisomer [®] MPEG550MA	26915-72-0	Methoxy PEG550 Methacrylate	Hydrophilic, polymer flexibility, copolymerisable surfactant
Bisomer [®] S10W	26915-72-0	Methoxy PEG1000 Methacrylate	Hydrophilic, polymer flexibility, copolymerisable surfactant
Bisomer [®] S20W	26915-72-0	Methoxy PEG2000 Methacrylate	Hydrophilic, polymer flexibility, copolymerisable surfactant

DI-FUNCTIONAL MONOMERS

Bisomer [®] BDDMA	2082-81-7	1,4 Butanediol Dimethacrylate	Hydrophobic, hardness, abrasion resistance, low viscosity
Bisomer [®] TEGDMA	109-15-0	Triethyleneglycol Dimethacrylate	Hydrophobic, hardness, impact resistance, low viscosity
Bisomer [®] PEG200DMA	25852-47-5	Polyethyleneglycol 200 Dimethacrylate	Hardness, impact resistance, low viscosity
Bisomer [®] EP100DMA	122985-55-1	Polyalkyleneglycol Dimethacrylate	Hydrophilic/hydrophobic balance, impact strength
Bisomer [®] EP150DMA	122985-55-1	Polyalkyleneglycol Dimethacrylate	Hydrophilic/hydrophobic balance, impact strength

Product List

Product Name	CAS #	Description	Features & Benefits
ALLYL POLYETHERS			
Bisomer [®] AA E 210 H	27274-31-3	Allyl alcohol + 3.5 EO	<p>Reactive intermediates mainly for use in the manufacture of silicone polyethers.</p> <p>Silicone polyether applications include antifoams, foam stabilizers, additives for polyurethane, cosmetics and paint additives</p>
Bisomer [®] AA E 320 H	27274-31-3	Allyl alcohol + 6 EO	
Bisomer [®] AA E 410 H	27274-31-3	Allyl alcohol + 8 EO	
Bisomer [®] AA E 450 H	27274-31-3	Allyl alcohol + 9 EO	
Bisomer [®] AA E 585 H	27274-31-3	Allyl alcohol + 11 EO	
Bisomer [®] AA 70 750 H	9041-33-2	Allyl alcohol + (11 EO & 4 PO) random co-polymer	
Bisomer [®] AA 60 1500 H	9041-33-2	Allyl alcohol + (20 EO & 10 PO) random co-polymer	
Bisomer [®] AA 43 1968 H	9041-33-2	Allyl alcohol + (20 EO & 20 PO) random co-polymer	
Bisomer [®] AA 43 1600 H	9041-33-2	Allyl alcohol + (15 EO & 15 PO) random co-polymer	
Bisomer [®] AA 70 1000 H	9041-33-2	Allyl alcohol + (14 EO & 4 PO) random co-polymer	
Bisomer [®] AA 70 1150 H	9041-33-2	Allyl alcohol + (15 EO & 5 PO) random co-polymer	
Bisomer [®] CA 041 ME	27252-80-8	Allyl alcohol + 8 EO with methyl cap	
Bisomer [®] CA 045 ME	27252-80-8	Allyl alcohol + 9 EO with methyl cap	
Bisomer [®] CA 125 M60	52232-27-6	Allyl alcohol + (16 EO & 8 PO) random co-polymer with methyl cap	
Bisomer [®] CA 211 M43	52232-27-6	Allyl alcohol + (20 EO & 20 PO) random co-polymer with methyl cap	
Bisomer [®] CA 100 M70	52232-27-6	Allyl alcohol + (14 EO & 4 PO) random co-polymer with methyl cap	
Bisomer [®] CA 130 B60	9038-92-0	Allyl alcohol + (17 EO & 8 PO) random co-polymer with butyl cap	

Product List

Product Name	CAS #	Description	Features & Benefits
NEOPENTYL POLYOLS			
TRIMET [®] TME	77-85-09	Trimethylolethane	Compact structure, high hydroxyl content and reactivity
MULTI-FUNCTIONAL AMINO ALCOHOL ADDITIVE			
Bisomer [®] Amine D700	108-16-7	77% Aqueous dimethylamino hydroxypropane	Aqueous azeotrope, improved dispersion, flow and wetting
AMINE ACTIVATOR FOR ORGANIC PEROXIDE INITIATION			
Bisomer [®] PTE	103671-44-9	N,N-Bis(2-hydroxyethyl)-para-toluidine	Low toxicity, low odour and ease of handling
DI-FUNCTIONAL ALLYL MONOMER			
Bisomer [®] DALP	131-17-9	Diallyl Phthalate	Low shrink, plasticizing properties, impact and heat resistance

Applications

Product Name	Adhesives/ Sealants	Industrial Coatings	UV Coatings	Polymer Dispersions	Composite Resins	Concrete Admixtures	Electronics/ Electrographics	Inks	Optical	Biomedical	Dental	Rubber Modification	Textiles	Oil Viscosity Modifiers	Water Treatment
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HYDROXY MONOMERS

Bisomer [®] HEMA	●	●	●	●	●		●		●	●	●		●		
Bisomer [®] HPMA	●	●	●	●	●		●			●	●		●		
Bisomer [®] PEA 6	●	●	●	●	●			●							
Bisomer [®] PPA 6	●	●	●	●	●			●							
Bisomer [®] PEM 6 LD	●	●	●	●		●	●			●					
Bisomer [®] PPM 5 LI	●	●		●			●								
Bisomer [®] PEM 63P HD		●		●			●			●					

MONO-FUNCTIONAL MONOMERS

Bisomer [®] IDMA	●	●		●	●									●	
Bisomer [®] LMA	●	●		●	●		●	●					●	●	
Bisomer [®] LMA 97 SP	●	●		●	●		●	●					●	●	
Bisomer [®] BZMA	●	●	●	●	●		●	●	●				●		
Bisomer [®] IPGMA	●	●	●	●	●		●	●	●				●		
Bisomer [®] MPEG350MA	●	●		●		●	●			●		●			●
Bisomer [®] MPEG550MA	●	●		●		●	●			●		●			●
Bisomer [®] S10W		●		●		●				●					●
Bisomer [®] S20W		●		●		●				●					●

DI-FUNCTIONAL MONOMERS

Bisomer [®] BDDMA	●	●	●		●		●				●	●			
Bisomer [®] TEGDMA	●	●	●	●	●		●				●	●			
Bisomer [®] PEG200DMA	●	●	●	●	●		●				●	●	●		
Bisomer [®] EP100DMA	●	●					●								
Bisomer [®] EP150DMA	●	●					●								

Applications

Product Name	Chemical Intermediates	Industrial Coatings	UV Coatings	Polymer Dispersions	Composite Resins	Concrete Admixtures	Electronics/ Electrographics	Inks
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ALLYL POLYETHERS

Bisomer [®] AA E 210 H	●							
Bisomer [®] AA E 320 H	●							
Bisomer [®] AA E 410 H	●							
Bisomer [®] AA E 450 H	●							
Bisomer [®] AA E 585 H	●							
Bisomer [®] AA 70 750 H	●							
Bisomer [®] AA 60 1500 H	●							
Bisomer [®] AA 43 1968 H	●							
Bisomer [®] AA 43 1600 H	●							
Bisomer [®] AA 70 1000 H	●							
Bisomer [®] AA 70 1150 H	●							
Bisomer [®] CA 041 ME	●							
Bisomer [®] CA 045 ME	●							
Bisomer [®] CA 125 M60	●							
Bisomer [®] CA 211 M43	●							
Bisomer [®] CA 100 M70	●							
Bisomer [®] CA 130 B60	●							

Applications

Product Name	Alkyds	Polyesters	PUDs	Uralkyds	Si-polyesters	Waterborne Resins	Solventborne Resins	UV Resistance	Hydrolysis Resistance	Heat Resistance	Hardness	Corrosion Resistance	Adhesion	TiO2 Surface Treatment
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NEOPENTYL POLYOLS

TRIMET® TME	●	●		●	●	●	●	●	●	●	●	●		●
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Product Name	Adhesives	Sealants	Exterior Coatings	Interior Coatings	Solvent Free Systems	Low Viscosity Coatings	Reactive Diluents	2K Systems	1K Systems	Corrosion Resistance	Elongation	Tensile Strength	UV Resistance	Heat Resistance
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MULTI-FUNCTIONAL AMINO ALCOHOL ADDITIVE

Bisomer® Amine D700	●	●	●	●	●	●			●					
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AMINE ACTIVATOR FOR ORGANIC PEROXIDE INITIATION

Bisomer® PTE	●	●	●	●				●						
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DI-FUNCTIONAL ALLYL MONOMER

Bisomer® DALP	●	●					●	●					●	●
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Chemical & Physical Properties

Product Name	Molar Mass ¹	Viscosity ¹ @ 25°C, mPa.s	Inhibitor (MEHQ), ppm / %	T _g ¹ , °C	Colour, max Pt/Co / Gardner	Assay, min %	Acid Value, mgKOH/g	Water, max %	Hydroxyl Value, mgKOH/g	Saponification Value, mgKOH/g
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HYDROXY MONOMERS

Bisomer [®] HEMA	130	8	200-240	55	10	97	1	0.1		
Bisomer [®] HPMA	114	9	200-300	72	10	97	1	0.1		
Bisomer [®] PEA 6	336	47	0.1-0.15%	-65	100		0.3	0.3		155-175
Bisomer [®] PPA 6	420	90	200-400	-65	100		0.3	0.15		126-138
Bisomer [®] PEM 6 LD	350	40	500-800	-65	100		0.05	0.5	145-165	
Bisomer [®] PPM 5 LI	376	40	300-500	-65	50		0.3	0.1	145-160	
Bisomer [®] PEM 63P HD	524	71	500-800	-65	100		0.3	0.5	100-120	

MONO-FUNCTIONAL MONOMERS

Bisomer [®] IDMA	226	2	75-125	-40	50	97		0.2		
Bisomer [®] LMA	263	6	75-125	-65	100	972		0.1		
Bisomer [®] LMA 97 SP	254	6	300-500	-65	100	992		0.15		
Bisomer [®] BZMA	176	2	45-55	54	50	98		0.1		
Bisomer [®] IPGMA	200	3.5	250-450	45	150	96		0.2		
Bisomer [®] MPEG350MA	430	18	0.45-0.55%	-60	³ Gardner			0.5		127-140
Bisomer [®] MPEG550MA	628	45	0.15-0.2%	-70				0.5		85-95
Bisomer [®] S10W	1080	42	750-950		² Gardner			49-51		23-28
Bisomer [®] S20W	2080	40	0.22-0.28%		⁵ Gardner			48-52		12-16

DI-FUNCTIONAL MONOMERS

Bisomer [®] BDDMA	226	5	300-500	n/a	100	992		0.1		
Bisomer [®] TEGDMA	286	10	250-400	n/a	100	992		0.2		
Bisomer [®] PEG200DMA	338	17	300-500	n/a	100	992		0.2		
Bisomer [®] EP100DMA	1114	103	90-120	n/a	150			0.5		90-110
Bisomer [®] EP150DMA	736		70-100	n/a	150			0.5		140-160

Chemical & Physical Properties

Product Name	Kinematic Viscosity ¹ @ 40°C, cSt	Density @ 20°C, kg/m ³	Iodine Value, gI ₂ /100g	Hydroxyl Value, mgKOH/g	Flash Point, °C	Pour Point, °C
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ALLYL POLYETHERS

Bisomer [®] AA E 210 H	6	1038	104-132	245-290	>100	-4
Bisomer [®] AA E 320 H	17	1076	60-69	135-150	>175	-1
Bisomer [®] AA E 410 H	21	1076	49-55	110-125	>180	8
Bisomer [®] AA E 450 H	31	1090	40-47	93-99	268	8
Bisomer [®] AA E 585 H	36	1062	28-33	68-75	>205	-17
Bisomer [®] AA 70 750 H	95	1065	15-18	33-44	150	-46
Bisomer [®] AA 60 1500 H	105	980	11.5-13.6	24-34	256	-44
Bisomer [®] AA 43 1968 H	11	1060	57-67	<14	>150	6
Bisomer [®] AA 43 1600 H	91	1036	13-19	33-40	176	-40
Bisomer [®] AA 70 1000 H	60	1062	23.5-27.5	53-59	284	-25
Bisomer [®] AA 70 1150 H	63	1066	16-22	43-50	258	-28
Bisomer [®] CA 041 ME	11	1060	57-67	<14	>150	6
Bisomer [®] CA 045 ME	13	1060	50-60	<14	>150	12
Bisomer [®] CA 125 M60	48	1052	18-22	<5	>150	-38
Bisomer [®] CA 211 M43	107	1040	11-13	<5	>200	-46
Bisomer [®] CA 100 M70	46	1037	20-25	<5	290	-30
Bisomer [®] CA 130 B60	65	1036	16-20	<5	>190	-40

Chemical & Physical Properties

Product Name	Acid Value, mgKOH/g	Hydroxyl Value, mgKOH/g	Acid Equivalent wt.	Hydroxyl Equivalent wt.	Molecular Weight, g/mole	Colour, APHA	Non Volatile, %	Density @ 25°C	Appearance	Moisture, %	Viscosity @ 25°C, Poise
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NEOPENTYL POLYOLS

TRIMET [®] TME		1352 min		415 max	120.17	250 max			Solid	0.3 max	
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	Molar Mass ¹	Viscosity ¹ , mPa.s	Boiling Point, °C	Colour, max Pt/Co / Gardner	Assay, min %	Amine Value, mgKOH/g	Water, max %	pH	Solubility		
									Water	Acetone	Methanol

MULTI-FUNCTIONAL AMINO ALCOHOL ADDITIVE

Bisomer [®] Amine D700	103 ²	3 ³	97 (azeotrope)	200	74-77.5		22-24	12.1	Fully miscible	Fully miscible	Fully miscible
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AMINE ACTIVATOR FOR ORGANIC PEROXIDE INITIATION

Bisomer [®] PTE	217			15 Gardner		250-264					
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DI-FUNCTIONAL ALLYL MONOMER

Bisomer [®] DALP	246			50	99						
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Notes

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Chemical Inventory Registrations

Product Name	REACH*	TSCA	DSL	ENCS	KECL	IECSC	PICCS	AICS
	EU	USA	Canada	Japan	Korea	China	Philippines	Australia
HYDROXY MONOMERS								
Bisomer [®] HEMA	•	•	•	•	•	•	•	•
Bisomer [®] HPMA	•	•	•	•	•	•	•	•
Bisomer [®] PEA 6	•	•	NDSL	•	•	•		
Bisomer [®] PPA 6	•	•	NDSL	•	•	•		•
Bisomer [®] PEM 6 LD	•	•	NDSL	•	•	•		•
Bisomer [®] PPM 5 LI	•	•	•	•	•	•	•	•
Bisomer [®] PEM 63P HD	•					•		
MONO-FUNCTIONAL MONOMERS								
Bisomer [®] IDMA	•		•	•	•	•	•	•
Bisomer [®] LMA	•	•	•	•	•	•	•	•
Bisomer [®] LMA 97 SP	•	•	•	•	•	•	•	•
Bisomer [®] BZMA	•	•	•	•	•	•	•	•
Bisomer [®] IPGMA	•	•	NDSL					
Bisomer [®] MPEG350MA	•	•	NDSL	•	•	•	•	•
Bisomer [®] MPEG550MA	•	•	NDSL	•	•	•	•	•
Bisomer [®] S10W	•	•	NDSL	•	•	•	•	•
Bisomer [®] S20W	•	•	NDSL	•	•	•	•	•
DI-FUNCTIONAL MONOMERS								
Bisomer [®] BDDMA	•	•	•	•	•	•	•	•
Bisomer [®] TEGDMA	•	•	•	•	•	•	•	•
Bisomer [®] PEG200DMA	•	•	•	•	•	•	•	•
Bisomer [®] EP100DMA	•			•		•		
Bisomer [®] EP150DMA	•			•		•		

* REACH Registration: the product may be traded inside Europe; i.e. the ingredients are either pre-registered, registered, exempted or there is no obligation to register due to small volume. Customers are advised to contact GEO prior to import and for uses not covered by the Safety Data Sheet.

Chemical Inventory Registrations

Product Name	REACH*	TSCA	DSL	ENCS	KECL	IECSC	PICCS	AICS
	EU	USA	Canada	Japan	Korea	China	Philippines	Australia
ALLYL POLYETHERS								
Bisomer [®] AA E 210 H	•	•	•	•	•	•	•	•
Bisomer [®] AA E 320 H	•	•	•	•	•	•	•	•
Bisomer [®] AA E 410 H	•	•	•	•	•	•	•	•
Bisomer [®] AA E 450 H	•	•	•	•	•	•	•	•
Bisomer [®] AA E 585 H	•	•	•	•	•	•	•	•
Bisomer [®] AA 70 750 H	•	•	•	•	•	•	•	•
Bisomer [®] AA 60 1500 H	•	•	•	•	•	•	•	•
Bisomer [®] AA 43 1968 H	•	•	•	•	•	•	•	•
Bisomer [®] AA 43 1600 H	•	•	•	•	•	•	•	•
Bisomer [®] AA 70 1000 H	•	•	•	•	•	•	•	•
Bisomer [®] AA 70 1150 H	•	•	•	•	•	•	•	•
Bisomer [®] CA 041 ME	•	•	•	•	•	•	•	•
Bisomer [®] CA 045 ME	•	•	•	•	•	•	•	•
Bisomer [®] CA 125 M60	•	•	•	•	•	•	•	•
Bisomer [®] CA 211 M43	•	•	•	•	•	•	•	•
Bisomer [®] CA 100 M70	•	•	•	•	•	•	•	•
Bisomer [®] CA 130 B60	•	•	•	•	•	•	•	•

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Chemical Inventory Registrations

Product Name	REACH* EU	TSCA USA	DSL Canada	ENCS Japan	KECL Korea	IECSC China	PICCS Philippines	AICS Australia	NZIOC New Zealand
NEOPENTYL POLYOLS									
TRIMET® TME	•	•	•	•	•	•	•	•	•
MULTI-FUNCTIONAL AMINO ALCOHOL ADDITIVE									
Bisomer® Amine D700	•	•	•	•	•	•	•	•	•
AMINE ACTIVATOR FOR ORGANIC PEROXIDE INITIATION									
Bisomer® PTE	•	•		•	•	•		•	•
DI-FUNCTIONAL ALLYL MONOMER									
Bisomer® DALP	•	•	•	•	•	•	•	•	•

* REACH Registration: the product may be traded inside Europe; i.e. the ingredients are either pre-registered, registered, exempted or there is no obligation to register due to small volume. Customers are advised to contact GEO prior to import and for uses not covered by the Safety Data Sheet.

Classification, Labelling & Packaging Regulations

EC No. 1272/2008

Product Name	GHS Pictogram	Hazard Statements	Precautionary Statements
HYDROXY MONOMERS			
Bisomer [®] HEMA	GHS07	H315, H317, H319	P261, P264, P280, P321, P333+P313, P337+P313
Bisomer [®] HPMA	GHS07	H317, H319	P261, P262, P280, P321, P303+P361+P353, P305+P351+P338
Bisomer [®] PEA 6	GHS07 GHS08	H315, H317, H319, H350	P201, P202, P260, P262, P273, P280, P303+P361+P353, P305+P351+P338, P308+P313, P310, P321, P331, P391
Bisomer [®] PPA 6	GHS07 GHS09	H317, H411	P262, P280, P302+P352, P321, P273
Bisomer [®] PEM 6 LD	GHS07 GHS08	H317, H350	P201, P202, P261, P262, P280, P302+P352, P308+P313, P321, P362+P364
Bisomer [®] PPM 5 LI	None	H412	P273, P501
Bisomer [®] PEM 63P HD	GHS07 GHS08	H319, H335, H315, H317, H350	P201, P261, P262, P264, P280, P303+P361+P353, P305+P351+P338, P308+P313, P321, P501
MONO-FUNCTIONAL MONOMERS			
Bisomer [®] IDMA	GHS09	H410	P273
Bisomer [®] LMA	GHS09	H335	P261, P271, P264, P280, P304+P340, P312, P321, P403+P233, P405
Bisomer [®] LMA 97 SP	GHS07 GHS09	H315, H319, H335, H410	P261, P262, P273, P280, P304+P340, P312, P403+P233, P405
Bisomer [®] BZMA	GHS07	H315, H317, H319, H335	P261, P262, P280, P303+P361+P353, P305+P351+P338
Bisomer [®] IPGMA	GHS07	H319	P264, P280, P305+P351+P338, P337+P313
Bisomer [®] MPEG350MA	None	None	None
Bisomer [®] MPEG550MA	none	None	None
Bisomer [®] S10W	None	None	None
Bisomer [®] S20W	None	None	None
DI-FUNCTIONAL MONOMERS			
Bisomer [®] BDDMA	GHS07	H317	P261, P280, P333+P313, P362+P364, P501
Bisomer [®] TEGDMA	GHS07	H317	P261, P280, P302+P352, P321, P333+P313, P362+P364, P501
Bisomer [®] PEG200DMA	None	None	None
Bisomer [®] EP100DMA	GHS07	H319, H335, H315	P261, P262, P264, P280, P321, P303+P361+P353, P305+P351+P338, P312, P403+P233
Bisomer [®] EP150DMA	GHS07	H319, H335, H315	P261, P262, P264, P280, P321, P303+P361+P353, P305+P351+P338, P312, P403+P233

Classification, Labelling & Packaging Regulations

EC No. 1272/2008

Product Name	GHS Pictogram	Hazard Statements	Precautionary Statements
ALLYL POLYETHERS			
Bisomer [®] AA E 210 H	None	None	None
Bisomer [®] AA E 320 H	None	None	None
Bisomer [®] AA E 410 H	None	None	None
Bisomer [®] AA E 450 H	None	None	None
Bisomer [®] AA E 585 H	None	None	None
Bisomer [®] AA 70 750 H	None	None	None
Bisomer [®] AA 60 1500 H	None	None	None
Bisomer [®] AA 43 1968 H	None	None	None
Bisomer [®] AA 43 1600 H	None	None	None
Bisomer [®] AA 70 1000 H	None	None	None
Bisomer [®] AA 70 1150 H	None	None	None
Bisomer [®] CA 041 ME	None	None	None
Bisomer [®] CA 045 ME	None	None	None
Bisomer [®] CA 125 M60	None	None	None
Bisomer [®] CA 211 M43	None	None	None
Bisomer [®] CA 100 M70	None	None	None
Bisomer [®] CA 130 B60	None	None	None

Classification, Labelling & Packaging Regulations

EC No. 1272/2008

Product Name	GHS Pictogram	Hazard Statements	Precautionary Statements
NEOPENTYL POLYOLS			
TRIMET [®] TME	None	None	None
MULTI-FUNCTIONAL AMINO ALCOHOL ADDITIVE			
Bisomer [®] Amine D700	GHS02, GHS05, GHS06	H226, H302, H312, H314	P233, P210, P260, P262, P280, P301+P330+P331, P303+P361+P353, P305+P351+P338, P310, P321, P370+P378, P403+P235
AMINE ACTIVATOR FOR ORGANIC PEROXIDE INITIATION			
Bisomer [®] PTE	GHS05, GHS07	H302, H315, H317, H318, H412	P264, P270, P280, P305+P351+P338, P310, P321, P330, P501
DI-FUNCTIONAL ALLYL MONOMER			
Bisomer [®] DALP	GHS07, GHS09	H302, H317, H332, H410	P264, P270, P273, P321, P391, P501

Classification & Labelling Legend

Reference	Description
HAZARD PHRASES	
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful if in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H350	May cause cancer
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Classification & Labelling Legend

Reference	Description
PRECAUTIONARY STATEMENTS	
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking
P233	Keep container tightly closed
P260	Do not breathe dust/fumes/gas/mist/vapours/spray
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray
P262	Do not get in eyes, on skin or on clothing
P264	Wash face, hands and any exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well ventilated area
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see supplemental first aid instructions on this label)
P330	Rinse mouth
P331	Do NOT induce vomiting
P391	Collect spillage
P301+P330+P331	Very toxic to aquatic life with long lasting effects
P302+P352	Toxic to aquatic life with long lasting effect
P303+P361+P353	IF ON SKIN (or hair): remove/take off all contaminated clothing immediately. Rinse skin with water/shower
P304+P340	May cause respiratory irritation
P305+P351+P338	Harmful to aquatic life with long lasting effects
P308+P313	If exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P337+P313	If eye irritation persists: get medical advice/attention
P362+P364	Take off contaminated clothing and wash it before reuse
P370+P378	In case of fire: Use dry chemical, CO ₂ , water spray or alcohol-resistant foam to extinguish
P403+P233	Store in a well-ventilated place. Keep container tightly closed
P403+P235	Store in a well-ventilated place. Keep cool
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower)
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P405	Store locked up
P501	Dispose of contents/container at an approved waste disposal plant

Classification & Labelling Legend



GHS02



GHS05



GHS06



GHS07



GHS08



GHS09

Food Packaging Regulations

Product Name	Swiss Ordinance	EU10/2011*
Bisomer [®] HEMA	Y (Part A)	✓
Bisomer [®] HPMA	Y (Part B)	
Bisomer [®] PEA 6	C	
Bisomer [®] PPA 6	Y (Part B)	
Bisomer [®] PEM 6 LD	Y (Part B)	
Bisomer [®] PPM 5 LI	Y (Part B)	
Bisomer [®] PEM 63P HD	Y (Part B)	
Bisomer [®] IDMA	Y (Part B)	
Bisomer [®] LMA	Y (Part B)	
Bisomer [®] LMA 97 SP	Y (Part B)	
Bisomer [®] BZMA	Y (Part A)	✓
Bisomer [®] MPEG350MA	Y (Part B)	
Bisomer [®] MPEG550MA	Y (Part B)	
Bisomer [®] S10W	Y (Part B)	
Bisomer [®] S20W	Y (Part B)	
Bisomer [®] BDDMA	Y (Part A)	
Bisomer [®] TEGDMA	Y (Part A)	
Bisomer [®] PEG200DMA	Y (Part B)	
Bisomer [®] EP100DMA	C	
Bisomer [®] EP150DMA	C	
Bisomer [®] Amine D700	Y (Part B)	
Bisomer [®] PTE	C	
Bisomer [®] DALP	Y (Part A)	
TRIMET [®] TME	Y (Part B)	

C = Manufactured from Listed Components

Y = Product Listed

* EU Regulation 10/2011 on Plastic Materials and Articles Intended to come into Contact with Food

BfR Recommendations

Product Name	XII	XIV	XXII	XXXIV	XXXVI
Bisomer [®] HEMA		Y	Y		Y
Bisomer [®] PEA 6					Y
Bisomer [®] LMA		Y			
Bisomer [®] LMA 97 SP		Y			
Bisomer [®] BZMA		Y	Y		
Bisomer [®] MPEG350MA					Y
Bisomer [®] MPEG550MA					Y
Bisomer [®] S10W					Y
Bisomer [®] S20W					Y
Bisomer [®] BDDMA		Y	Y		
Bisomer [®] PTE	Y				
Bisomer [®] DALP				Y	

BfR Recommendations

XII Unsaturated Polyester Resins

XIV Polymer Dispersions

XXII Polymers Based on Esters of Acrylic and Methacrylic Acids, their Copolymers, and mixtures of these with other Polymers

XXXIV Vinylidene Chloride Copolymers with a Predominant Content of Polyvinylidene Chloride

XXXVI Paper and Board for Food Contact

FDA 21 CFR Approvals

Product Name	175.105	175.300	175.320	175.360	176.170	176.180	176.210	177.1010	177.1390	177.2420	178.3710	178.3725
Bisomer [®] HEMA	Y	P				P		Y				
Bisomer [®] HPMA	Y	P						Y				
Bisomer [®] LMA					P		P				P	
Bisomer [®] LMA 97 SP					P		P				P	
Bisomer [®] DALP	Y			Y	Y							
TRIMET [®] TME		Y	Y			Y	Y		Y	Y		Y

Y = product listed

P = listed as a component of a polymer

- 175.105 Adhesives
- 175.300 Resinous and polymeric coatings
- 175.320 Resinous and polymeric coatings for polyolefin films
- 175.360 Vinylidene chloride copolymer coatings for nylon film
- 176.170 Components of paper and paperboard in contact with aqueous and fatty foods
- 176.180 Components of paper and paperboard in contact with dry food
- 176.210 Defoaming agents used in the manufacture of paper and paperboard
- 177.1010 Acrylic and modified acrylic plastics, semi-rigid and rigid
- 177.1390 Laminate structures for use at temperatures of 250°F and above
- 177.2420 Polyester resins, cross-linked
- 178.3710 Petroleum wax
- 178.3725 Pigment dispersants

Halal & Kosher Approvals

Product Name	Kosher (Pareve Passover)	Halal
Bisomer [®] Amine D700	✓	
Bisomer [®] PEA 6	✓	
Bisomer [®] PPA 6	✓	
Bisomer [®] PEM 6 LD	✓	
Bisomer [®] PPM 5 LI	✓	
Bisomer [®] PEM 63P HD	✓	
Bisomer [®] PTE	✓	
Bisomer [®] AA E 210 H	✓	✓
Bisomer [®] AA E 320 H	✓	✓
Bisomer [®] AA E 410 H	✓	✓
Bisomer [®] AA E 450 H	✓	✓
Bisomer [®] AA E 585 H	✓	✓
Bisomer [®] AA 70 750 H	✓	✓
Bisomer [®] AA 60 1500 H	✓	✓
Bisomer [®] AA 43 1968 H	✓	✓
Bisomer [®] AA 43 1600 H	✓	✓
Bisomer [®] AA 70 1000 H	✓	✓
Bisomer [®] AA 70 1150 H	✓	✓
Bisomer [®] CA 041 ME		
Bisomer [®] CA 045 ME		
Bisomer [®] CA 125 M60		
Bisomer [®] CA 211 M43		
Bisomer [®] CA 100 M70		
Bisomer [®] CA 130 B60		

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Disclaimer:

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Talk to us about your
challenges and see how we
can overcome them together.

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March 2024



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