Environmental Friendly Technology for 21st Century

The Brief Introduction of Corporation

Social Responsibility

Adhering to the corporate philosophy of environmental protection and perpetual development, Eternal enterprise has been establishing a corporate culture that complies with the law, honor and morality, emphasizes providing social benefits and excellent working environment; and cultivates national esteem. We strive for an international level of management standard in order to achieve the long-term objective of substantiality.

In order to take the responsibility for environmental protection, we make efforts in lowering and preventing the generation of pollution source. We also aggressively develop environmentally-friendly green products in our R&D Center. Thus, we can minimize negative impacts on the environment.

In terms of safety management, we put industrial safety and hygiene and fire control as our first priorities. In addition to continuously improving the safety of the production process, we also study the safety regulations of advanced countries in Europe, as well as the U.S.A. and Japan to set up and practice safety guidelines and rules in accordance with relevant local laws and regulations related to our company and those in Taiwan.

Corporate Culture

Ever since its foundation in 1964, the corporate culture at Eternal has always been created and based in law compliance, faith keeping, moral behavior and community feedback. We also attach great importance to employees' integrity, workplace beautification and the cultivation of our employees' national self-respect as part of our efforts to build a good company image.

Company Profile (2008)

has annual sales of approximately usd $1060 millions
has employees about 3,600
has 19 production sites and sales offices in more than 10 countries
sells to over 40 countries

Business Philosophy

Eternal is a responsible company. To take as its responsibility, our management team strive to exceed the demand of our customers, dedicate its efforts to the environment, protect the best interests of our shareholders, and take care of our employees' welfare so as to complete the missions confided by the company.

Global Manufacturing and Marketing

Eternal's main manufacturing facilities are currently based in Taiwan, China and the United States. We are planning to expand our manufacturing facilities to other countries in the future while also working closely with high-tech companies in Japan, the U.S.A., Germany and France. Our marketing network in particular will take world's major cities.

Prospect

The major ground for Eternal's constant growth is research and innovation. With the beliefs of "production quality, solid reputation, innovation and service", we have been dedicating our efforts to technological development and promotion, with greater quality production, to carry out the principle of sustainable growth and techniques for continually offering benefits to the public.

With the operating goal of Eternal: "plan for the future, and build the global brand", we take a broad view in the more capacious international field, and attempt, with our hard plowing in the global point market, to prove ourselves to be a global-brand supplier of electronics industry-specific chemical materials.

Facing the future, Eternal seeks constant self-evaluation and growth. We believe we are well prepared to stand firm and confront the challenges ahead despite the intense competition, to create another high peak in our continual growth.

www.eternal-group.com

Quality Policy

・We strive to establish a total QA System in which the spirit of "Research, Development, Innovation and Environmental Protection" as well as quality improvement practice will be carried out.
・By way of continuous improvement, we guarantee the quality of our products and service, as well as our responsibility towards the environment, to satisfy the needs of our customers and the general public.

AWARD

1995 Approved ISO9001 BVQI Certificate.
1999 Approved ISO14001 BVQI Certificate


BUREAU VERITAS Certification
Certification
ETERNAL CHEMICAL CO., LTD.
ISO 14001:2004


BUREAU VERITAS Certification
Certification
ETERNAL CHEMICAL CO., LTD.
ISO 9001:2000

Safty, Health and Environment Policy

Sustainable development is the business philosophy of Eternal Group. We make the following commitments to fulfillment of our social responsibilities for valuing life and protecting the earth.
・Comply with regulations and implement policy
・Full participation and continual improvement
・Pursue safe production and develop green products
・Effective training and communication to promote business culture

AWARD
Environmental Protection
1986 Outstanding Performance on Pollution Prevention granted by Chinese National Federation of Industries.
1998 Ta-Fa Plant received Outstanding Performance in Plant Site Gardening granted by Taiwan Provincial Government.
1999 Approved ISO14001 BVQI Certificate.

Safety
1995 Voluntary Protection Programs Organization granted by the Council of Labor Affairs, Executive Yuan.
1995 Voluntary Protection Programs Organization granted by the Council of Labor Affairs, Executive Yuan.
1997 Voluntary Protection Programs Organization granted by the Council of Labor Affairs, Executive Yuan.
2009 Approved TOSHMS/OHSAS18001 BVQI Certificate.

Monomers and Oligomers

1.Monomers
(1)Mono-functional monomers
(2)Di-functional monomers
(3)Tri-functional monomers
(4)Multi-functional monomers
(5)Ethoxylated monomers, propoxylated monomers
(6)Toluene Free monomers,...etc.

2.Oligomers
Highest quality of Polyurethane, Epoxy, Polyester and Acrylic based Oligomers are essential elements to any UV formulation, participation of Reactive amine synergist and photoinitiators is also required to take part in the formulation. Furthermore Eternal's R&D has synthesis new lines of water-borne polyurethane, hyper branched polyester acrylate and organic-inorganic hybrid in meeting the specific demand by our customers. Our Oligomer portfolio and its performance have earned Eternal brand a prestige reputation among our customers globally.

Applications

The main application usage emphasis on UV protective coating, inks, photo resist agent, bonding glue, high water absorbent resin and rubber compounding agent, electronic related series of acrylate monomers, oligomers, reactive amine synergist and photoinitiators.











MONOMERS

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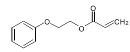
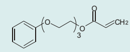
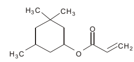
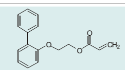
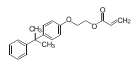
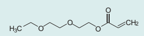
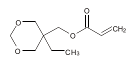
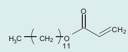
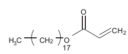
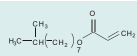
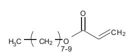
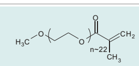
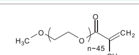
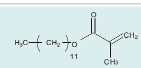
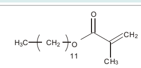
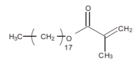
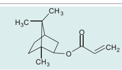
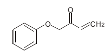
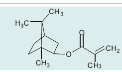
MONOFUNCTIONAL MONOMERS

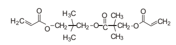
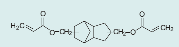
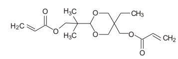
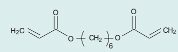
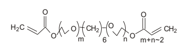
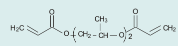
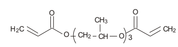
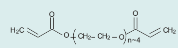
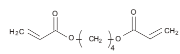
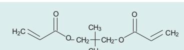
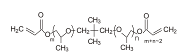
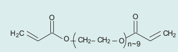
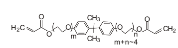
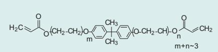
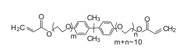
Etermer	Chemical Description	Characteristics	Appearance	Color (APHA)	Acid Value (mg KOH/g)	Sp.Gravity (at 25℃)	Viscosity (cps at 25℃)	Moisture (%)	Inhibitor (MEHQ ppm)	Surface Tension	Mw g/mole	Regulatory Status REACH	Regulatory Status TSCA
EM210	2-Phenoxy Ethyl Acrylate, PHEA 	· Low viscosity · Good solvency · High reactivity	Clear liquid	60	0.5	1.10~1.11	5~15	0.1	200~600	38.4	192	v	v
EM2103	Ethoxylated Phenoxyl Acrylate, PH3EOA 	· Low viscosity · Good solvency · High reactivity · Low skin irritation	Clear liquid	60	0.5	1.10~1.13	15~35	0.2	400~600	40.2	280	-	v
EM2104	3,3,5-Trimethyl Cyclohexane Acrylate, TMCHA 	· Low shrinkage · Low surface sension · Good adhesion · High Tg	Clear liquid	60	0.5	0.91~0.95	2~8	0.2	100~300	27.1	196	v	v
EM2105	Ortho-Phenyl Phenoxy Ethyl Acrylate, OPPEA 	· High refractive index · High gloss · Low volume shrinkage	Clear liquid	100	0.5	1.12-1.15	100-200	0.2	100-300	40.5	268	v	v
EM2107	Cumyl Phenoxyl Ethyl Acrylate CPEA 	· High hardness · High refractive Index · Good abrasion resistance · Low volume shrinkage	Clear liquid	100	0.5	1.09~1.11	130~170	0.1	100~300	39.6	310	-	v
EM211	2-(2-Ethoxyethoxy) Ethyl Acrylate, EOEOEA 	· Good adhesion · Low shrinkage · Good flexibility · Excellent water resistance	Clear liquid	60	0.5	1.01~1.03	3~8	0.2	300~600	31.2	188	v	v
EM212	Cyclic Trimethylol-propane Formal Acrylate, CTFA 	· Low odor · High hardness · Excellent chemical resistance	Clear liquid	100	0.5	1.08~1.11	12~18	0.2	100~300	35.5	200	v	v
EM215	Lauryl Acrylate, LA 	· Low shrinkage · Good weatherability · Good flexibility · Good water resistance	Clear liquid	100	0.5	0.86~0.88	4~8	0.1	150~250	29	240	v	v
EM218	Stearyl Acrylate, SA 	· Low skin irritation · Good water resistance · Good flexibility · Low shrinkage	Solid	-	0.5	-	-	0.1	150~250	-	324	v	v
EM219	Isodecyl Acrylate, ISODA 	· Good adhesion · Low shrinkage · Good flexibility · Excellent water resistance	Clear liquid	60	0.5	0.85~0.95	2~8	0.2	100~300	27.1	212	v	v
EM2191	C8-C10 Acrylate, ODA 	· Low viscosity · Low shrinkage · Good flexibility · Good impact strength · Good abrasion and water resistance	Clear liquid	60	0.5	0.86~0.89	2~8	0.2	200~500	27.1	184-212	v	v
EM3102	Methoxy Polyethylene Glycol (1000) Methacrylate, MPEG1000MA 	· Miscible with water in any ratio	Yellowish clear or misty liquid	-	70max.	-	-	50	100~300	-	-	-	v
EM3103	Methoxy Polyethylene Glycol (2000) Methacrylate, MPEG2000MA 	· Miscible with water in any ratio	Yellowish clear or misty liquid	-	40max.	-	-	50	100~300	-	-	-	v
EM315	Lauryl Methacrylate, LMA 	· Weatherability · Good flexibility · Good water resistance	Clear liquid	60	0.5	0.86~0.89	4~8	0.1	900~1,100	28.9	254	v	v
EM315-LM	Lauryl Methacrylate, LMA 	· Low shrinkage · Weatherability · Good flexibility · Good water resistance	Clear liquid	60	0.5	0.86~0.89	4~8	0.1	100~300	28.9	254	v	v

MONOFUNCTIONAL MONOMERS

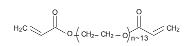
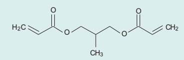
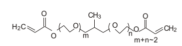
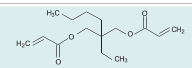
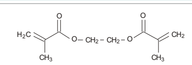
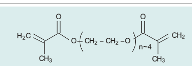
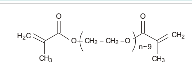
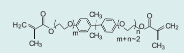
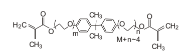
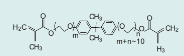
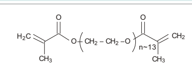
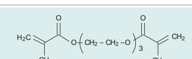
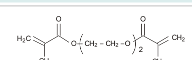
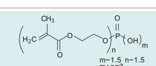
Etermer	Chemical Description	Characteristics	Appearance	Color (APHA)	Acid Value (mg KOH/g)	Sp.Gravity (at 25℃)	Viscosity (cps at 25℃)	Moisture (%)	Inhibitor (MEHQ ppm)	Surface Tension	Mw g/mole	Regulatory Status REACH	Regulatory Status TSCA
EM35	Stearyl Methacrylate, SMA 	· Long aliphatic Hydrocarbon · Good flexibility · Low shrinkage · Good water resistance	Solid	-	0.5	-	-	0.1	230~330	-	338	v	v
EM70	Isobornyl Acrylate, IBOA 	· Low shrinkage · Excellent solvency · Excellent abrasion resistance	Clear liquid	50	0.5	0.98~1.00	5~15	0.1	80~300	29.5	208	v	v
EM75	Benzyl Acrylate, BA 	· Low viscosity · Good solvency · High reactivity	Clear liquid	100	0.5	1.05~1.08	3~8	0.1	100~300	36.3	162	v	v
EM90	Isobornyl Methacrylate, IBOMA 	· Low volume shrinkage in polymerization · Excellent solvency · Excellent abrasion resistance	Clear liquid	40	0.5	0.97~0.99	2~10	0.2	120~180	29.4	222	v	v

Typical Physical & Chemical Properties: Appearance through Regulatory Status columns.

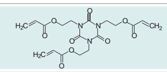
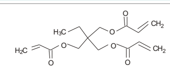
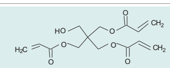
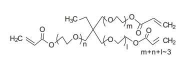
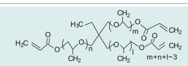
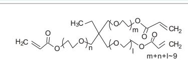
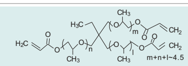
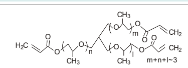
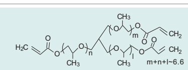
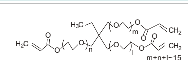
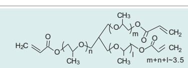
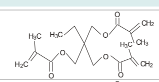
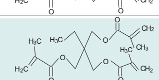
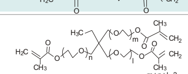
DIFUNCTIONAL MONOMERS

Etermer	Chemical Description	Characteristics	Appearance	Color (APHA)	Acid Value (mg KOH/g)	Sp.Gravity (at 25℃)	Viscosity (cps at 25℃)	Moisture (%)	Inhibitor (MEHQ ppm)	Surface Tension	Mw g/mole	Regulatory Status REACH	Regulatory Status TSCA
			Typical Physical & Chemical Properties										
EM2202	Hydroxypivalyl Hydroxypivalate Diacrylate, HPHPDA 	· Low toxity · Excellent viscosity reducer · Improved water resistance · Good flexibility · Excellent improvement for adhesion on metals	Clear liquid	100	0.5	1.04~1.06	15~35	0.1	400~600	32	312	v	v
EM2204	Tricyclodecane Dimethanol Diacrylate, DCPDA 	· Excellent yellow resistance · Excellent low shrinkage and curing speed · Good heat and chemical resistance · Good hardness · High Tg	Clear liquid	100	0.5	1.09~1.11	110~150	0.2	500~800	37.9	304	v	v
EM2205	Dioxane Glycol Diacrylate, DOGDA 	· Fast cure rate · Good heat and chemical resistance · Improved adhesion on non-porous substrates. · Low volume shrinkage (after curing)	Clear liquid	60	0.5	1.07~1.09	200~400	0.2	100~300	34.2	326	v	v
EM221	1,6-Hexanediol Diacrylate, HDDA 	· Low volatility and viscosity · Good solvency for acrylate oligomers · High reactivity	Clear liquid	60	0.2	1.01~1.03	5~10	0.1	100~250	34.5	226	v	v
EM2211	Ethoxylated 1,6-Hexanediol Diacrylate, HD2EODA 	· Low skin irrifation · Low volatility and viscosity · High reactivity	Clear liquid	70	0.5	1.04~1.07	15~20	0.2	100~300	37	314	v	v
EM222	Dipropylene Glycol Diacrylate, DPGDA 	· Low volatility and viscosity · Excellent solvency · Fast cure rate	Clear liquid	60	0.5	1.04~1.10	7~13	0.1	400~600	32.4	242	v	v
EM223	Tripropylene Glycol Diacrylate, TPGDA 	· Low volatility and viscosity · High reactivity · Good flexibility	Clear liquid	50	0.5	1.03~1.05	8~16	0.2	600 max.	32	300	v	v
EM224	Polyethylene Glycol (200) Diacrylate, PEG(200)DA 	· Low volatility and medium viscosity · Good flexibility and elongation · Good water dispersible property · Low skin irritation	Clear liquid	70	0.5	1.08~1.13	10~30	0.2	600 max.	39	308	v	v
EM2241	1,4-Butanediol Diacrylate, 1,4-BDDA 	· Low volatility and viscosity · Good solvency · High reactivity · Good hydrophobic character	Clear liquid	100	0.5	1.05~1.07	5~10	0.1	100~300	34.8	198	v	v
EM225	Neopentyl Glycol Diacrylate, NPGDA 	· High reactivity and excellent solvency · Good solvent resistance · Good scratch resistance	Clear liquid	60	0.5	1.02~1.05	4~12	0.1	100~300	31	212	v	v
EM2251	Propoxylated Neopentyl Glycol Diacrylate, NPG2PODA 	· Low skin irritation · Low viscosity · Low volume shrinkage in polymerization	Clear liquid	80	0.5	1.00~1.03	10~20	0.1	200~500	30.2	328	v	v
EM226	Polyethylene Glycol (400) Diacrylate, PEG(400)DA 	· Low volatility and viscosity · Good flexibility and elongation · Water soluble	Clear liquid	100	0.5	1.11~1.21	30~70	0.3	400~600	40	508	v	v
EM2261	Ethoxylated Bisphenol-A Diacrylate, BPA4EODA 	· Low odor · Low skin irritation · Low volume shrinkage in polymerization · High reactivity	Clear liquid	70	0.5	1.13~1.15	800~1,300	0.1	100~300	42.9	512	v	v
EM2263	Ethoxylated Bisphenol-A Diacrylate, BPA3EODA 	· Low odor · Low skin irritation · Low volume shrinkage in polymerization · High reactivity	Clear liquid	100	0.1	1.14~1.15	1200~1800	0.1	200~400	42	468	v	v
EM2265	Ethoxylated Bisphenol-A Diacrylate, BPA10EODA 	· Excellent balance of hydrophobic/hydrophilic properties · Low odor · Good flexibility	Clear liquid	100	0.5	1.11~1.17	350~800	0.1	100~300	43	776	v	v

DIFUNCTIONAL MONOMERS

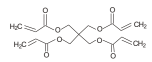
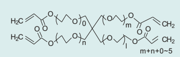
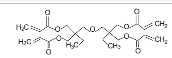
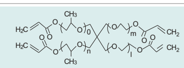
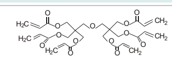
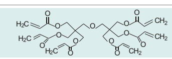
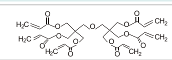
Etermer	Chemical Description		Characteristics	Typical Physical & Chemical Properties										
				Appearance	Color (APHA)	Acid Value (mg KOH/g)	Sp.Gravity (at 25℃)	Viscosity (cps at 25℃)	Moisture (%)	Inhibitor (MEHQ ppm)	Surface Tension	Mw g/mole	Regulatory Status REACH	TSCA
EM227	Polyethylene Glycol (600) Diacrylate, PEG(600)DA		· Low volatility and viscosity · Good flexibility and elongation · Water soluble	Clear liquid	100	0.5	1.11~1.14	80~120	0.2	400~600	41.4	708	v	v
EM2280	2-Methyl-1,3-Propanediol Diacrylate,MPDDA		· Excellent solvency · Low odor · High reactivity	Clear liquid	100	0.5	1.04~1.06	5~10	0.1	100~300	31.7	198	v	v
EM2288	Ethoxylated 2-Methyl-1, 3-Propanediol Diacrylate, MPD2EODA		· Low skin irritation · Low odor · Good flexibility	Clear liquid	100	0.5	1.04~1.08	13~20	0.1	300~500	35	286	-	v
EM229	2-Butyl-2-Ethyl-1,3-Propanediol Diacrylate, BEPDDA		· Low shrinkage · Excellent water resistance · High solubility in hydrocarbons	Clear liquid	200	0.5	0.99~1.00	10~20	0.2	100~300	31.1	268	-	v
EM320	Ethylene Glycol Dimethacrylate, EGDMA		· Good heat and chemical resistance · Good hardness · Good abrasion resistance	Clear liquid	60	2	1.05~1.07	3~8	0.2	100~300	31.7	198	v	v
EM324	Polyethylene Glycol (200) Dimethacrylate, PEG(200)DMA		· Good heat and chemical resistance · Low skin irritation · Good abrasion resistance	Clear liquid	60	0.5	1.07~1.09	10~18	0.2	100~300	34.6	336	v	v
EM326	Polyethylene Glycol (400) Dimethacrylate, PEG(400)DMA		· Good heat and chemical resistance · Low skin irritation · Good flexibility	Clear liquid	60	0.5	1.09~1.10	30~40	0.2	400~600	38	536	v	v
EM3260	Ethoxylated Bisphenol-A Dimethacrylate, BPA2EODMA		· High reactivity · Low volatility · Good chemical resistance · Good water resistance	Clear liquid	100	0.5	1.11~1.13	900~1,300	0.1	100~300	38.7	452	v	v
EM3261	Ethoxylated Bisphenol-A Dimethacrylate, BPA4EODMA		· Low skin irritation · Low odor and volatility · High reactivity · Good heat resistance	Clear liquid	200	0.5	1.11~1.13	530~630	0.1	100~250	39.4	540	v	v
EM3265	Ethoxylated Bisphenol-A Dimethacrylate, BPA10EODMA		· High reactivity · Good heat resistance · Low volatility	Clear liquid	100	0.5	1.11~1.13	350~450	0.1	100~250	41.9	804	v	v
EM327	Polyethylene Glycol (600) Dimethacrylate, PEG(600)DMA		· Water soluble · Good flexibility · Low skin shrinkage	Clear liquid	60	0.5	1.10~1.11	55~75	0.2	70~150	38.9	736	v	v
EM328	Triethylene Glycol Dimethacrylate, 3EGDMA		· Good heat and chemical resistance · Low skin irritation · Good abrasion resistance	Clear liquid	80	0.5	1.07~1.08	5~15	0.2	300 max.	34.7	286	v	v
EM329	Diethylene Glycol Dimethacrylate, DEGDMA		· Low skin irritation · Good abrasion and water resistance · Good hardness and impact strength · Excellent dilute efficiency	Clear liquid	100	0.5	1.05~1.08	5~10	0.1	500~700	33.8	242	v	v
EM39	2-Hydroxyethyl methacrylate phosphate, HEMAP		· Excellent improvement for adhesion on metals	Light yellow liquid	2 max.(G)	270~310	1.23~1.33	1,000~1,300	0.1	300 max.	35.3	266	v	v

TRIFUNCTIONAL MONOMERS

Etermer	Chemical Description	Characteristics	Appearance	Color (APHA)	Acid Value (mg KOH/g)	Sp.Gravity (at 25℃)	Viscosity (cps at 25℃)	Moisture (%)	Inhibitor (MEHQ ppm)	Surface Tension	Mw g/mole	Regulatory Status REACH	Regulatory Status TSCA
EM2305	Trifunctional Acid Ester	· Low viscosity · Excellent improvement for adhesion on metal · Good chemical resistance	Yellow liquid	5 max.(G)	150-190	1.18-1.20	240-350	0.2	350 max.	36.3	-	v	v
EM2308	Tris(2-Hydroxy Ethyl) Isocyanurate Triacrylate, THEICTA 	· Low shrinkage · Excellent water and chemical resistance · Excellent hardness resistances · Excellent abrasion resistances	Solid	-	0.5	-	-	0.2	300~600	-	423	v	v
EM231	Trimethylolpropane Triacrylate, TMPTA 	· High reactivity and crosslink density · Provides high gloss and hard products · Good abrasion resistance	Clear liquid	60	0.2	1.09~1.12	70~110	0.1	100~300	35	296	v	v
EM235	Pentaerythritol Triacrylate, PET3A 	· Fast cure response · High crosslink density · Excellent hardness · Excellent solvent resistance	Clear liquid	80	0.5	1.17~1.19	400~550	0.2	400~600	38	298	v	v
EM2380	Ethoxylated Trimethylolpropane Triacrylate, TMP3EOTA 	· Low skin irritation · Fast cure response and solvency · Good flexibility	Clear liquid	50	0.2	1.10~1.11	50~70	0.15	180~350	36.9	428	v	v
EM2381	Propoxylated Trimethylolpropane Triacrylate, TMP3POTA 	· Low skin irritation · Fast cure response and solvency · Good flexibility	Clear liquid	60	0.3	1.04~1.07	70~100	0.1	400~600	32.8	470	v	v
EM2382	Ethoxylated Trimethylolpropane Triacrylate, TMP9EOTA 	· Low skin irritation · Fast cure response and solvency · Good flexibility	Clear liquid	60	0.5	1.09~1.12	80~110	0.15	200~380	39.1	692	v	v
EM2383	Propoxylated Trimethylolpropane Triacrylate, TMP4.5POTA 	· Low skin irritation · Fast cure response and solvency · Good adhesion and flexibility	Clear liquid	100	0.5	1.02~1.10	80~130	0.1	300~600	33.5	557	v	v
EM2384	Propoxylated Glyceryl Triacrylate, G3POTA 	· Low skin irritation · Good hardness and flexibility · Low shrinkage	Clear liquid	100	0.5	1.08~1.11	70~100	0.1	100~300	34.1	428	v	v
EM2385	Propoxylated Glyceryl Triacrylate, G6.6POTA 	· Low skin irritation · High crosslink density · Good flexibility	Clear liquid	100	0.5	1.05~1.10	80~110	0.1	300~600	35.3	636.8	v	v
EM2386	Ethoxylated Trimethylolpropane Triacrylate, TMP15EOTA 	· Good hardness and flexibility · Low skin irritation · Soluble in water	Clear liquid	60	0.5	1.10~1.12	120~160	0.2	140~350	41.1	910	v	v
EM2387	Propoxylated Glyceryl Triacrylate, G3.5POTA 	· Low skin irritation · Good hardness and flexibility · Low shrinkage	Clear liquid	100	0.5	1.08~1.11	70~100	0.1	200~500	33.9	457	v	v
EM331	Trimethylolpropane Trimethacrylate, TMPTMA 	· High crosslink density · Good heat and solvent resistance · Good hardness and scratch resistance	Clear liquid	100	0.2	1.06~1.07	35~50	0.1	150~400	32.2	338	v	v
EM331-HQ	Trimethylolpropane Trimethacrylate, TMPTMA 	· High crosslink density · Good heat and solvent resistance · Good hardness and scratch resistance	Clear liquid	100	0.2	1.06~1.07	35~50	0.1	80~150; (HQ)	32.2	338	v	v
EM3380	Ethoxylated Trimethylolpropane Trimethacrylate, TMP3EOTMA 	· Low skin irritation · High crosslink density · Good flexibility · Low volatility	Clear liquid	80	0.5	1.05~1.08	25~45	0.1	100~300	36.2	470	v	v

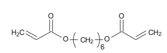
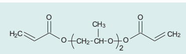
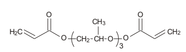
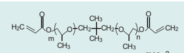
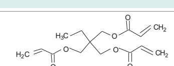
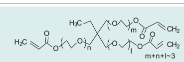
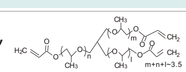
Typical Physical & Chemical Properties

MULTI-FUNCTIONAL MONOMERS

Etermer	Chemical Description		Characteristics	Appearance	Color (APHA)	Acid Value (mg KOH/g)	Sp.Gravity (at 25℃)	Viscosity (cps at 25℃)	Moisture (%)	Inhibitor (MEHQ ppm)	Surface Tension	Mw g/mole	Regulatory Status REACH	Regulatory Status TSCA
EM241	Pentaerythritol Tetraacrylate, PET4A		· High reactivity · Low skin irritation · High crosslink density	Clear liquid	100	0.5	1.17~1.18	400~650	0.1	400~600	37.6	352	v	v
EM2411	Ethoxylated Pentaerythritol Tetraacrylate, PET5EO4A		· High reactivity · High crosslink density · Low skin irritation	Clear liquid	100	0.5	1.14~1.16	120~170	0.1	100~300	38.6	572	v	v
EM242	Ditrimethylolpropane Tetraacrylate, DiTMP4A		· Fast cure response · High crosslink density	Clear liquid	150	0.5	1.095~1.105	400~700	0.1	400~600	35	482	v	v
EM2421	Propoxylated Pentaerythritol Tetraacrylate, PET5PO4A		· High reactivity · High crosslink density · Low skin Irritation	Clear liquid	100	0.5	1.07~1.09	180~240	0.1	300~500	33.1	642	v	v
EM265	Dipentaerythritol Hexaacrylate, DPHA		· Fast cure rate · Low skin irritation	Clear liquid	50	0.5	1.17~1.19	5,000~7,000	0.1	400~600	42	578	v	v
EM266	Dipentaerythritol Hexaacrylate, DPHA		· Fast cure rate · Low skin irritation · High viscosity	Clear liquid	100	0.5	1.18~1.20	10,000~14,000	0.2	400~600	48	578	v	v
EM267	Dipentaerythritol Hexaacrylate, DPHA		· Fast cure rate · Low skin irritation · Low alkalinity	Clear liquid	50	0.1	1.17~1.19	5,000~7,000	0.05	350~600	42	578	v	v

Typical Physical & Chemical Properties

TOLUENE FREE MONOMERS

Etermer	Chemical Description		Characteristics	Appearance	Color (APHA)	Acid Value (mg KOH/g)	Sp.Gravity (at 25℃)	Viscosity (cps at 25℃)	Moisture (%)	Inhibitor (MEHQ ppm)	Surface Tension	Mw g/mole	Regulatory Status REACH	Regulatory Status TSCA
EM221-TF	1,6-Hexanediol Diacrylate, HDDA		· Low volatility and viscosity · Good solvency for acrylate oligomers · High reactivity	Clear liquid	60	0.2	1.01~1.03	5~10	0.1	100~250	34.5	226	v	v
EM222-TF	Dipropylene Glycol Diacrylate, DPGDA		· Low volatility and viscosity · Excellent solvency · Fast cure rate	Clear liquid	60	0.5	1.05~1.10	7~13	0.1	400~600	32.4	242	v	v
EM223-TF	Tripropylene Glycol Diacrylate, TPGDA		· Low volatility and viscosity · High reactivity · Good flexibility	Clear liquid	50	0.5	1.03~1.05	8~16	0.2	600 max.	32	300	v	v
EM2251-TF	Propoxylated Neopentyl Glycol Diacrylate, NPG2PODA		· Low skin irritation · Low viscosity · Low volume shrinkage in polymerization	Clear liquid	80	0.5	1.00~1.03	10~20	0.1	200~500	30.2	328	v	v
EM231-TF	Trimethylolpropane Triacrylate, TMPTA		· Hiigh reactivity and crosslink density · Provides high gloss and hard products · Good abrasion resistance	Clear liquid	60	0.2	1.09~1.12	70~110	0.1	100~300	35	296	v	v
EM2380-TF	Ethoxylated Trimethylolpropane Triacrylate, TMP3EOTA		· Low skin irritation · Fast cure response and solvency · Good flexibility	Clear liquid	50	0.2	1.10~1.11	50~70	0.15	180~350	36.9	428	v	v
EM2387-TF	Propoxylated Glyceryl Triacrylate, G3.5POTA		· Low skin irritation · Good hardness and flexibility · Low shrinkage	Clear liquid	100	0.5	1.08~1.11	70~100	0.1	200~500	33.9	457	v	v

Typical Physical & Chemical Properties

OLIGOMERS

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URETHANE ACRYLATE OLIGOMERS

Etercure	Chemical Description	Characteristics	Applications	Typical Physical & Chemical Properties: Functionality	Appearance	Color (Gardner)	Tensile Elongation%	Viscosity (cps at 25℃)	Tg℃	Shore	Regulatory Status: REACH	TSCA
611A-85	Aliphatic Urethane Diacrylate Diluted in 15% TPGDA	· Low skin irritation · Good yellowing resistance · Good hardness and toughness	· Coatings · Inks	2	Clear & Clean	1	33.6	85,000~115,000	49.9	84A	v	v
611B-85	Aliphatic Urethane Diacrylate Diluted in 15% HDDA	· Good yellowing resistance · Good hardness and toughness · Good gloss retention	· Printing and varnishing for plasticized PVC, wood and PVC floor-tiles	2	Clear & Clean	1	28.4	22,000~32,000	52.9	89A	v	v
6112-100	Aliphatic Urethane Diacrylate	· Good yellowing resistance · Good toughness · Good gloss retention	· Coatings · Inks · Printing and varnishing for plasticized PVC, wood and PVC floor-tiles	2	Clear & Clean	1	49.4	6,000~7,500(60℃)	47.7	96A	v	v
6113	Aliphatic Urethane Diacrylate	· Excellent toughness · Good yellowing resistance · Good adhesion	· Adhesives · Screen inks	2	Clear & Clean	1	120	8,000~12,000	-60.8	40A	-	-
6115J-80	Aliphatic Urethane Diacrylate Diluted in 20% IBOA	· Excellent weatherability · Good flexibility · Good gloss retention · Low shrinkage · Good adhesion on metal substrates	· Coatings · Inks · Adhesives	2	Clear & Clean	1	45.2	2,600~4,200	31.8	70A	-	NOC
6121F-80	Aromatic Urethane Diacrylate Diluted in 20% DPGDA	· Good elasticity and flexibility · Good abrasion resistance · Good adhesion · High chemical resistance	· Overprint varnish for paper & board · Wood finishes · Coating for plastics · Lithographic and screen ink vehicles · Metal decorating vehicles	2	Clear & Clean	3	16.1	19,000~32,000	27.4	70A	v	v
6123	Aliphatic Urethane Diacrylate	· Fast curign speed · Good leveling · Good solvene weather resistance	· Plastics varnishes · Large area spraying for plastic	2	Clear & Clean	1	51.7	10,000~15,000	51.7	96A	v	v
6130B-80	Aliphatic Urethane Acrylate Diluted in 20% HDDA	· Low odor · High crosslink density · Good toughness	· Coatings for paper, plastics	3	Clear & Clean	1	13	40,000 ~ 60,000	65.6	90A	v	v
6131-1	Aliphatic Urethane Acrylate	· Yellowing resistance · Good gloss retention · Good flexibility and softness	· Printing and varnishing plasticized PVC, wood, and PVC floor tiles	2	Clear & Clean	1	-	3,000~4,000	67	91A	v	v
6134B-80	Aliphatic Urethane Acrylate Diluted in 20% HDDA	· Excellent abrasion-resistance · Good yellowing resistance · Good water resistance · Good hardness and toughness	· Wood coating · Screen ink · Overprint varnishes · Plastics coating for ABS, PC, PVC	2	Clear & Clean	1	-	120,000~220,000	72.2	95A	v	v
6141H-80	Aliphatic Urethane Acrylate Diluted in 20% TMP3EOTA	· Good elasticity and flexibility · Good abrasion resistance · Good adhesion · Fast curing speed · Good weather performance	· Overprint varnishes for paper & board · Coating for wood and plastics · UV inks · Adhesives	2	Clear & Clean	1	-	30,000 ~ 45,000	44.4	83A	v	v
6142H-80	Aliphatic Urethane Acrylate Diluted in 20% TMP3EOTA	· Good elasticity and flexibility · Good abrasion resistance · Good adhesion · Light color	· Overprint varnishes for paper & board · Coating for wood and plastics · UV inks · Adhesives	2	Clear & Clean	1	-	25,000 ~ 35,000	29.5	89A	v	v
6143A-80	Aliphatic Urethane Acrylate Diluted in 20% TPGDA	· Excellent flexibility · Improves adhesion	· Adhesives · Coatings on metal, optical, paper · Screen inks	3	Clear & Clean	1	23.3	18,000 ~ 30,000	21.8	42A	v	v
6145-100	Aliphatic Urethane Hexaacrylate.	· Good abrasion resistance · Fast curing speed · Good weather performance	· Overprint varnishes for paper & board · UV plastic coating · UV inks	6	Clear & Clean	1	-	55,000~75,000	104.1	27D	v	v

URETHANE ACRYLATE OLIGOMERS

Etercure	Chemical Description	Characteristics	Applications	Typical Physical & Chemical Properties								
				Functionality	Appearance	Color (Gardner)	Tensile Elongation%	Viscosity (cps at 25℃)	Tg℃	Shore	Regulatory Status	
											REACH	TSCA
6145-100H	Aliphatic Urethane Hexaacrylate.	· Good elasticity and flexibility · Good abrasion resistance · Good hardness	· Overprint varnishes for paper & board · UV plastic coating · UV inks	6	Clear & Clean	1	-	70,000~90,000	103.7	28D	v	v
6146-100	Aromatic Urethane Hexaacrylate	· Good abrasion resistance · Fast curing speed · Good solvent resistance	· Overprint varnishes for paper & board · Coatings for PMMA, ABS · UV inks	6	Clear & Clean	1	-	30,000~40,000	104.6	33D	v	v
6147	Aliphatic Urethane Hexaacrylate	· Good abrasion resistance · Good yellowing resistance · Good water resistance · Good flexibility	· Overprint varnishes for paper & board · Coatings for PMMA, ABS · UV inks	6	Clear & Clean	1	-	5,000~6,000	-	18D	v	v
6148J-75	Aliphatic Urethane Diacrylate Diluted in 25% IBOA	· Excellent toughness · Good yellowing resistance · Improves adhesion	· Adhesives · Screen inks · Metal coatings	2	Clear & Clean	1	238.5	90,000~150,000	19.7	63A	v	v
6148T-85	Aliphatic Urethane Diacrylate Diluted in 15% EOEOEA	· Excellent toughness · Excellent elongation · Improves adhesion	· Adhesives · Screen inks · Metal coatings	2	Clear & Clean	1	-	100,000~150,000	-23.5	21A	v	v
6149-100	Aliphatic Urethane Hexaacrylate	· Excellent yellowing resistance · Good abrasion resistance · Good water resistance · Good toughness and hardness	· Screen inks · Adhesives · Plastic coatings	6	Clear & Clean	1	-	7,000~12,000	90.9	92A	v	v
615-100	Polyether Polyol Based, Aliphatic Urethane Acrylate	· Excellent flexibility · Fast curing speed · Light color	· Matt vanishes · UV inks · Coatings · Adhesives	2	Clear & Clean	1	8.1	10,000~20,000	-37.1	43A	v	v
6150-100	Aliphatic Urethane Hexaacrylate	· Excellent yellowing resistance · Fast curing speed · Good abrasion resistance · Good water resistance · Good toughness and hardness	· Screen inks · Adhesives · Plastic coatings	6	Clear & Clean	1	-	3,000~5,000	80.6	11D	v	v
6151	Aliphatic Urethane Diacrylate	· Good leveling · Good Adhesion to ABS/PC Substrate · Good abrasion · Good yellowing resistance	· Overprinting varnishes for paper and board · Wood coating · UV plastic coating · UV inks	2	Clear & Clean	1	-	30,000~40,000	60.3	91A	v	v
6152B-80	Aliphatic Urethane Diacrylate Diluted in 20% HDDA	· Good Anti-Static · Good adhesion · Good yellowing resistance	· Anti-static coatings · UV plastic coating	2	Clear & Clean	1	-	22,000~30,000	-12	86A	-	-
6153-1	Aliphatic Urethane Acrylate	· Low viscosity · Good toughness · Good adhesion · Good yellowing resistance	· UV primer coating with very good adhesion on melamine paper. (Melamine paper, widely used for furniture applications)	-	Clear & Clean	1	-	1,500~2,500	85.5	44A	-	-
6153-2	Aliphatic Urethane Acrylate	· Low odor · Good toughness · Good adhesion · Good yellowing resistance	· UV primer coating with very good adhesion on melamine paper (Melamine paper, widely used for furniture applications)	-	Clear & Clean	1	-	90,000~150,000	70.7	44A	-	-
6154B-80	Aliphatic Urethane Diacrylate Diluted in 20% HDDA	· Low viscosity · Stain resistance · Good adhesion	· Anti-stain coatings · UV plastic coating	2	Clear & Clean	1	-	5,000~9,000	83.6	84A	v	NOC
6154Q-80	Aliphatic Urethane Diacrylate Diluted in 20% DPHA	· Stain resistance · Good adhesion · Good abrasion resistance	· Anti-stain coatings · Coatings for PMMA, PC and PVC	4	Clear & Clean	1	-	45,000~60,000	69.4	87A	v	NOC

URETHANE ACRYLATE OLIGOMERS

Etercure	Chemical Description	Characteristics	Applications	Typical Physical & Chemical Properties: Functionality	Appearance	Color (Gardner)	Tensile Elongation%	Viscosity (cps at 25°C)	Tg°C	Shore	Regulatory Status: REACH	TSCA
6157B-80	Aliphatic Urethane Diacrylate Diluted in 20% HDDA	· Good water resistance · Good heat resistance · Good yellowing resistance · Good weather performance	· Coatings · Inks	2	Clear & Clean	1	-	150,000~250,000	81.4	94A	-	-
6158B-80	Aliphatic Urethane Acrylate Diluted in 20% HDDA	· Good heat resistance · Good yellowing resistance · Good weather performance	· Overprint varnishes for paper & board · UV plastic coating · UV inks	3.8	Clear & Clean	1	2	40,000~50,000	72.4	94A	-	-
6160B-70	Aliphatic Urethane Acrylate Diluted in 30% HDDA	· Good leveling · Good yellowing resistance · Good hardness	· Overprint varnishes for paper & board · UV plastic coating · UV inks	2	Clear & Clean	1	-	30,000~50,000	59.1	5D	-	-
6161-100	Aliphatic Urethane Hexaacrylate	· Fast curing speed · Good abrasion resistance · Good solvent resistance	· Coatings for PC,ABS and PET	6	Clear & Clean	1	-	13,000~19,000	89.1	25D	v	v
6171	Modified Solvent Based Urethane Acrylate	· Good leveling · Good solvent resistance · Good yellowing resistance	· UV top-coating for plastics · Large area UV spraying for plastics	2	Clear & Clean	1	-	9,000~13,000	49.0	94A	-	-
6172-1	Aliphatic Urethane Diacrylate	· Good toughness · Good leveling · Good heat resistance · Good abrasion resistance	· UV topcoat for thermal set acrylic primer (aluminum or black-color) of notebook computer	2	Clear & Clean	1	-	1,700~2,300	78.1	-	-	-
6175-1	Modified Solvent Based Urethane Acrylate	· Excellent solvent resistance · Good yellowing resistance · Good adhesion to metal substrate · Good hardness · Good abrasion resistance	· The topcoat for mobile phone covers, cosmetics plastic board, copper and tinplate.	-	Clear & Clean	1	-	5,000~7,000	63	93A	-	v
6175-2	Modified Solvent Based Urethane Acrylate	· High gloss · Good yellowing resistance · Good adhesion to metal substrate · High hardness · Good water resistance	· The topcoat for mobile phone covers, cosmetics plastic board, copper and tinplate.	-	Clear & Clean	1	-	7,000~10,000	64.1	92A	-	v
6175-3	Modified Solvent Based Urethane Acrylate	· Excellent solvent resistance · Good sweat resistance · Good adhesion to metal substrate	· The topcoat for mobile phone covers, cosmetics plastic board, copper and tinplate.	-	Clear & Clean	1	-	5,000~8,000	81.1	92A	-	v
6176	Modified Solvent Based Urethane Acrylate	· Good flexibility · Good water resistance · Good adhesion to metal substrate · Good pigment and dye dispersion	· The midcoat for mobile phone covers, copper and tinplate.	-	Clear & Clean	1	-	1,500~2,000	44.6	21A	-	-
6195-100	Aliphatic Urethane Acrylate	· Good leveling · Good abrasion resistance · High hardness	· UV hard coating · Topcoat of UV vacuum metallization · UV clear coating on scagliola	10	Clear & Clean	1	-	75,000~95,000	53.9	33D	-	v
6196-100	Aliphatic Urethane Acrylate	· Fast curing speed · Good abrasion resistance · Good yellowing resistance	· Coats of UV vacuum metallization · UV plastic coating · UV inks	15	Clear & Clean	1	-	200,000~300,000	51.6	35D	-	v
6197	Aliphatic Urethane Hexaacrylate	· Good toughness · Good abrasion resistance · Good leveling	· Overprint varnishes for paper & board · UV plastic coating · UV inks	6	Clear & Clean	1	-	50,000~70,000	91.4	23D	-	-

URETHANE ACRYLATE OLIGOMERS

Etercure	Chemical Description	Characteristics	Applications	Typical Physical & Chemical Properties								
				Functionality	Appearance	Color (Gardner)	Tensile Elongation%	Viscosity (cps at 25℃)	T_g℃	Shore	Regulatory Status	
											REACH	TSCA
DR-U010	Aliphatic Urethane Acrylate	· Good adhesion to pre-treated PP substrates · Good adhesion to aluminum substrates · Good toughness	· UV screen ink · UV vacuum metallization primer coatings for pre-treated PP substrates	3	Clear & Clean	1	-	8,000~12,000	82	7D	-	-
DR-U011	Aliphatic Urethane Acrylate	· Fast curing speed · Good self- matting · Good abrasion resistance	· UV matting coatings for plastic · UV matting coatings for wood	6	Slight haze	-	-	150~300	124.2	6D	-	-
DR-U020	Aliphatic Urethane Acrylate	· Fast curing speed · Good adhesion on metal substrate · Good yellowing resistance	· UV metal coating	-	Clear & Clean	1	-	1,500~2,000	26.6	92A	-	-
DR-U021	Aliphatic Urethane Diacrylate	· Good leveling · Good yellowing resistance · Good anti-cracking	· UV plastic coating · UV wood coating	2	Clear & Clean	1	-	4,000~5,000	82.2	95A	-	-
DR-U022	Aromatic Urethane Acrylate	· Fast curing speed · Good toughness · Good chemical resistance · Good abrasion resistance	· Overprint varnish for paper & board · Wood finishes · Lithographic and screen ink vehicles	5	Clear & Clean	9	-	15,000~25,000	-	-	-	-
DR-U024	Aliphatic Urethane Acrylate	· Good abrasion resistance · Good yellowing resistance · Good anti-cracking	· UV plastic coating · UV wood coating	6	Clear & Clean	1	-	2,200~3,200	91.4	93A	-	-
DR-U026	Aliphatic Urethane Acrylate	· Fast curing speed · Good toughness · Good yellowing resistance	· UV plastic coating	3	Clear & Clean	1	-	25,000~35,000	123.1	83A	-	-
DR-U091	Modified Solvent Based Urethane Acrylate	· Good wetting · Good flexibility · Good adhesion for rework · Good yellowing resistance	· Plastics varnishes · Large area spraying for plastics	-	Clear & Clean	1	-	2,500~4,500	60.5	89A	-	-
DR-U092	Modified Solvent Based Urethane Acrylate	· Good wetting · Good flexibility · Good adhesion for rework · Good yellowing resistance	· UV plastic coating · Coats of UV vacuum metallization	-	Clear & Clean	1	-	1,800~3,000	70.4	86A	-	-
DR-U095	Aliphatic Urethane Acrylate	· Fast curing speed · Stain resistance · Good yellowing resistance	· Anti-stain coatings · UV plastic coating	8	Clear & Clean	1	-	9,000~12,000	67.7	91A	-	-
DR-U301	Aliphatic Urethane Diacrylate	· Good water resistance · Good heat resistance · Good yellowing resistance	· Adhesives · Screen inks · Metal coatings	2	Clear & Clean	1	-	30,000~35,000(60℃)	3.5	-	-	-

EPOXY ACRYLATE OLIGOMERS

Etercure	Chemical Description	Characteristics	Applications	Typical Physical & Chemical Properties									
				Functionality	Appearance	Color (Gardner)	Acid Value (mg KOH/g)	Tensile Elongation%	Viscosity (cps at 25℃)	Tg℃	Shore	Regulatory Status REACH	Regulatory Status TSCA
620-100	2-Hydroxy-3-Phenoxypropyl Acrylate	· Improved flexibility · Good adhesion	· Coatings · UV inks · UV adhesives	1	Clear & Clean	1	1	21.7	150~200	14	71A	-	v
621-100	Standard Bisphenol A Epoxy Diacrylate	· Light color · Very high gloss · Good UV/EB cure reactivity · Good hardness and chemical resistance	· Overprint varnishes for paper and rigid plastics · Wood finishes · Inks and metal decorating vehicles	2	Clear & Clean	1	1	2.8	4,000~7,000(60℃)	90.1	9D	v	v
621A-80	Standard Bisphenol A Epoxy Diacrylate Diluted in 20% TPGDA	· Light color · Very high gloss · Good UV/EB cure reactivity · Good hardness and chemical resistance	· Overprint varnishes for paper and rigid plastics · Wood finishes · Inks and metal decorating vehicles	2	Clear & Clean	1	1	2	28,500~40,000	90.4	94A	v	v
6210G	Modified Epoxy Diacrylate	· Low viscosity · Good UV/EB cure reactivity · High gloss · Good surface hardness · Good solvent resistance	· Overprinting varnishes · Wood finishes · Coatings for paper and plastics · Lithographic and screen ink vehicles · Metal decorating vehicles	2	Clear & Clean	1	1	4.8	30,000~35,000	80.2	91A	-	v
6215-100	Modified Epoxy Diacrylate	· Light color · Good UV/EB cure reactivity · Low film shrinkage · Good flexibility and toughness	· UV overprinting varnishes · UV coating for paper & plastics · UV wood finishes · UV ink	2	Yellowish, Viscous liquid	2	5	22.3	5,000~6,200(60℃)	29	90A	v	NOC
6219-100	Epoxy Methacrylate	· Light color · Good UV/EB cure reactivity · Very high gloss · Good toughness and abrasion resistance	· Overprinting varnishes · Coating for paper & plastics · Wood finishes · Lithographic & screen ink vehicles · Metal decorating vehicles	2	Clear & Clean	1	3	0.9	3,000~6,000(60℃)	82.9	5D	v	v
622-100	Fatty Acid Modified Epoxy Diacrylate	· Good wetting, flow and leveling effect · Improved flexibility	· Coating for paper and wood · Ink · Metal decorating vehicles	1.9	Clear & Clean	1	1	3.9	3,000~5,500(60℃)	53	8D	v	v
622A-80	Fatty Acid Modified Epoxy Diacrylate Diluted in 20% TPGDA	· Low odor · Good wetting, flow and leveling effect · Improved flexibility	· Coating for paper and wood · Ink · Metal decorating vehicles	1.9	Clear & Clean	1	1	9	18,000~25,000	48	93A	v	v
623-100	Modified Bisphenol A Epoxy Diacrylate	· Provide improved flexibility and toughness without sacrificing cure speed · Good abrasion and chemical resistance	· Overprint varnishes, clear coatings for paper, wood and metal lithographic inks	2	Clear & Clean	4	3	12.7	4,000~5,500(60℃)	50.5	92A	v	v
623A-80	Modified Bisphenol A Epoxy Diacrylate Diluted in 20% TPGDA	· Provide improved flexibility and toughness without sacrificing cure speed · Good abrasion and chemical resistance	· Overprint varnishes, clear coatings for paper, wood and metal · Lithographic inks	2	Clear & Clean	2	3	6.2	25,000~33,000	51.7	91A	v	v
6231A-80	Modified Bisphenol A Epoxy Diacrylate Diluted in 20% TPGDA	· Provide improved flexibility and toughness without sacrificing cure speed · Good abrasion and chemical resistance	· Overprint varnishes, clear coatings for paper, wood and metal · Lithographic inks	2	Clear & Clean	2	3	6.9	23,000~31,000	50.1	92A	v	v
6233	Modified Epoxy Acrylate	· High gloss · Excellent adhesion to aluminum · Good toughness	· The primer coating for plastics vacuum	2	Clear & Clean	1	-	-	10,000~20,000	74.1	95A	-	-
6233-1	Modified Epoxy Acrylate	· Good leveling · Good adhesion · Good toughness	· UV vacuum metallization primer coatings for for PPA、Phenolic substrate	2	Clear & Clean	1	-	-	1,200~2,200	115.4	70A	-	-

EPOXY ACRYLATE OLIGOMERS

Etercure	Chemical Description	Characteristics	Applications	Functionality	Appearance	Color (Gardner)	Acid Value (mg KOH/g)	Tensile Elongation%	Viscosity (cps at 25℃)	Tg℃	Shore	Regulatory Status REACH	Regulatory Status TSCA
				Typical Physical & Chemical Properties									
6234	Modified Epoxy Acrylate	· Fast curing speed · Good pigment wetting · High gloss	· UV coating for paper & plastics · UV wood finishes · UV offset ink	2	Clear & Clean	1	1	-	3,500~5,000	80.4	94A	v	v
624-100	Standard Bisphenol A epoxy Diacrylate	· Light color · Very high gloss · Good UV/EB cure reactivity · Good hardness and chemical resistance	· Overprint varnishes for paper and rigid plastics · Wood finishes · Inks and metal decorating vehicles	2	Clear & Clean	1	1	3.3	3,000~7,000(60℃)	82.9	10D	v	v
624A-75	Standard Bisphenol A Epoxy Diacrylate Diluted in 25% TPGDA	· Light color · Good UV/EB cure reactivity · Good hardness and abrasion resistance	· Overprint varnishes for paper and plastics · Wood finishes (sealer and topcoat) · Other coatings and inks	2	Clear & Clean	1	1	4.1	12,000~18,000	90.1	96A	v	v
625C-45	Novolac Epoxy Acrylate Diluted in 55% TMPTA	· Extremely high surface hardness · Good thermal resistance properties · Excellent chemical resistance	· Electronics : solder masks · Screen inks	3~4	Clear & Clean	1	3	2.3	5,000~9,000	87.8	20D	-	v
6261	Epoxidised Soya Bean Oil Acrylate	· Fast curing speed · Good flexibility · Good pigment wetting	· Overprinting varnishes · Coatings for paper & plastics · Wood finishes · Lithographic & screen ink vehicles · metal decorating vehicles	3	Clear & Clean	10	12	10.1	25,000~38,000	14.3	89A	v	v
DR-G923	Modified Epoxy Acrylate	· Fast curing speed · Good pigment wetting · Good water pick up · Good flexibility	· UV offset ink · UV plastic coating · UV oolor paste	2	Clear & Clean	5	3	-	3,500~4,500(60℃)	12.6	90A	-	-

POLYESTER ACRYLATE OLIGOMERS

Etercure	Chemical Description	Characteristics	Applications	Functionality	Appearance	Color (Gardner)	Acid Value (mg KOH/g)	Tensile Elongation%	Viscosity (cps at 25℃)	Tg℃	Shore	Regulatory Status REACH	Regulatory Status TSCA
				Typical Physical & Chemical Properties									
6311-100	Fatty Acid Modified Hexa-functional Polyester Acrylate	· Fast curing speed · Good pigment wetting · Good lithographic behavior · Good abrasion resistance · Good solvent resistance	· Fast curing lithographic inks and clear varnishes · UV offset and flexo inks	6	High viscous	dark	12	3	4,000~8,000	42.3	95A	v	v
6312-100	Fatty Acid Modified Hexa-functional Polyester Acrylate	· Fast curing speed · Good pigment wetting · Good lithographic behavior · Good abrasion resistance · Good solvent resistance	· UV offset inks	6	High viscous	dark	20	3.2	20,000 ~ 50,000	59.8	86A	v	v
6312-100E	Fatty Acid Modified Hexa-functional Polyester Acrylate	· Fast curing speed · Good pigment wetting · Good lithographic behavior · Good abrasion resistance · Good solvent resistance	· UV offset inks	6	High viscous	dark	20	3.5	40,000~60,000	61.2	86A	v	v
6313-100	Fatty Acid Modified Tetra-functional Polyester Acrylate	· Low irritancy · Good pigment wetting · Outstanding lithographic behavior	· UV offset inks	4	High viscous	dark	20	1.8	100,000~150,000	83.1	91A	v	v
6314C-60	Chlorinated Polyester Resin Diluted in 40% TMPTA	· Good adhesion · Good pigment wetting · Fast curing speed	· Inks and coatings for metal, plastic and paper · Adhesion promoter	-	High viscous	1	25	1.6	100,000~150,000	50.3	94A	v	v
6314C-60L	Chlorinated Polyester Resin Diluted in 40% TMPTA	· Good adhesion · Good pigment wetting · Fast curing speed	· Inks and coatings for metal, plastic and paper · Adhesion promoter	-	High viscous	1	25	2.2	60,000~90,000	48.6	93A	v	v

POLYESTER ACRYLATE OLIGOMERS

Etercure	Chemical Description	Characteristics	Applications	Typical Physical & Chemical Properties: Functionality	Appearance	Color (Gardner)	Acid Value (mg KOH/g)	Tensile Elongation%	Viscosity (cps at 25℃)	Tg℃	Shore	Regulatory Status: REACH	TSCA
6314G-60	Chlorinated Polyester Resin Diluted in 40% GPTA	· Good adhesion · Good pigment wetting · Fast curing speed	· Inks and coatings for metal, plastic and paper · Adhesion promoter	-	High viscous	1	25	1.9	70,000~110,000	53.1	90A	v	v
6315	Modified Polyester Acrylate	· Lower viscosity · High gloss · Good UV/EB cure reactivity · Good scratch resistant and toughness · Good solvent resistance	· Overprint varnish for paper & board · Wood finishes · Coating for plastics · Lithographic and screen ink vehicles	-	Clear & Clean	2	-	7.3	15,000~25,000	44.8	95A	v	NOC
6316	Modified Polyester Acrylate	· Good hardness · Good adhesion · Good yellowing resistance	· Overprint varnish for paper & board · Coating for plastics	-	Clear & Clean	1	-	31.1	12,000~25,000	24.3	92A	v	v
6319	Modified Polyester Acrylate	· Good UV/EB cure reactivity · Good scratch resistant and toughness · Good solvent resistance	· Overprint varnish for paper & board · Wood finishes · Coating for plastics	-	Clear & Clean	2	-	29.4	15,000~25,000	16.6	93A	v	v
6320	Polyester Tetraacrylate	· Lower viscosity · High gloss · Good UV/EB cure reactivity · Good scratch resistant and toughness · Good solvent resistance	· Overprint varnish for paper & board · Wood finishes · Coating for plastics · Lithographic and screen ink vehicles	4	Clear & Clean	2	20	6.2	300~500	43.3	95A	-	v
6321-100	Polyester Tetraacrylate	· High gloss · Good UV/EB cure reactivity · Good scratch resistance · Good solvent resistance	· Overprint varnish for paper & board · Wood finishes · Coating for plastics · Lithographic and screen ink vehicles	4	Clear & Clean	1	5	-	40,000~55,000	104.1	93A	v	v
6327-100	Modified Polyester Acrylate	· Lower viscosity · Good UV/EB cure reactivity · Good solvent resistance	· Overprint varnish for paper & board · Wood finishes · Lithographic and screen ink vehicles	2	Clear & Clean	2	8	8.7	800~1,200	15.9	87A	v	v
6333-100	Polyester Acrylate	· Low odor · Low viscosity · Good flexibility	· UV varnish for plastic (PMMA, PC and ABS) · UV flexo Ink · Wood coating · Ink-jet	2	Clear & Clean	2	0.5	26.1	100~300	23.1	94A	-	v
6340	Polyester Acrylate	· Good adhesion · Good water pick up · Good leveling	· Inks and coatings for metal, plastic and paper · Adhesion promoter	2	Clear & Clean	2	< 10	-	4,500~5,000(60℃)	-50	82A	-	v
6342	Modified Polyester Acrylate	· Low viscosity · Good flexibility · Good adhesion · Good solvent resistance	· Wood finishes · Coating for plastics · Lithographic and screen ink vehicles	-	Clear & Clean	2	-	7	2,000~5,000	12	94A	v	v
6343	Modified Polyester Acrylate	· Good hardness · Good adhesion · Good yellowing resistance	· Overprint varnish for paper & board · Wood finishes	-	Clear & Clean	2	-	32	15,000~30,000	25	-	v	v
6351	Polyester Acrylate	· Low viscosity · Good leveling · Good UV/EB cure reactivity	· Wood finishes · Coating for plastics · UV ink	4	Clear & Clean	2	-	-	1,000~2,000	17.5	6D	-	-
6353	Polyester Acrylate	· High viscosity and low tack · Good pigment wetting · Good water pick up	· UV offset inks	4	Light yellowish	2	5	-	1,500~1,700(60℃)	84.3	5D	v	v

POLYESTER ACRYLATE OLIGOMERS

Etercure	Chemical Description	Characteristics	Applications	Typical Physical & Chemical Properties								Regulatory Status	
				Functionality	Appearance	Color (Gardner)	Acid Value (mg KOH/g)	Tensile Elongation%	Viscosity (cps at 25℃)	Tg℃	Shore	REACH	TSCA
6353-1	Polyester Acrylate	· High viscosity and low tack · Good pigment wetting · Good water pick up · Toluene free	· UV offset inks	3	Light yellowish	2	1	-	1,900~2,100(60℃)	111.8	95A	v	v
6355	Polyester Acrylate	· Good flexibility · Good adhesion · Good solvent resistance	· Overprint varnish for paper & board · Wood finishes	2	Light yellowish	2	-	-	40,000~55,000	25.9	93A	v	NOC
6358H	Polyester Acrylate	· High viscosity and low tack · Good pigment wetting · Good water pick up	· UV offset inks	3	Light yellowish	5	8	-	6,000~10,000(60℃)	-	-	-	-
6360	Polyester Acrylate	· Good self- matting · Good adhesion · Good flexibility	· UV matting coatings for paper · UV matting coatings for wood	2	Slightly haze	-	-	-	4,500~6,500	4.1	85A	v	v
6361-100	Hyperbranched Polyester Acrylate	· Low viscosity · Low shrinkage · Good toughness	· Plastic coating, such as PCTA, ABS and PC · Metal coating · Flexographic and inkjet inks.	8	Clear & Clean	2	10	-	150~250	51.6	39A	v	-
6362-100	Hyperbranched Polyester Acrylate	· Low viscosity · Low shrinkage · Fast curing speed · Better hardness then 6361-100	· Plastic coating, such as PCTA, ABS and PC · Metal coating · Flexographic and inkjet inks.	12~15	Clear & Clean	2	10	-	400~800	70	83A	v	-
DR-E503-1	Polyester Acrylate	· Good water pick up · Good leveling · Toluene free	· UV offset inks	3	Light yellowish	1	2	-	1,200~1,700(60℃)	48.1	94A	v	-
DR-E509	Polyester Acrylate	· Good adhesion to plastic substrate · Good adhesion to polished tin-plate · Good flexibility	· UV offset inks · UV metal coating · UV plastic coating · Adhesion promoter	3	Light yellowish	2	<10	-	6,200~7,200(60℃)	19	90A	-	NOC

REACTIVE AMINE SYNERGISTS

Etercure	Chemical Description	Characteristics	Applications	Typical Physical & Chemical Properties						Regulatory Status	
				Functionality	Appearance	Color (Gardner)	Tensile Elongation%	Viscosity (cps at 25℃)	Tg℃	REACH	TSCA
641	Tertiary Amine Acrylate	· Good diluent efficiency · No migration after UV cure · Increase UV cure speed	· Adhesion promoter for PVC plastics, UV clear coating · Increase gloss retention	1	Red yellowish	4	38	25~40	52.3	-	-
6410	Special Tertiary Amine Acrylate	· No migration after UV cure · Increase UV cure speed · Low odor · Light color	· Wood coatings · Overprint varnishes	2	Clear & Clean	1	36	1,000~3,000	-11.1	v	v
6411	Special Tertiary Amine Acrylate	· Fast cure speed · Low odor · Light color · Less surface migration of amine	· Wood coatings · Overprint varnishes	2	Clear & Clean	1	39	200~300	-15.9	-	-
6412	Special Tertiary Amine Acrylate	· Good reactivity · High gloss · Good chemical resistance	· Wood coatings · Paper and plastic varnishes	4	Clear & Clean	2	-	1,000~3,000	10	v	-

REACTIVE AMINE SYNERGISTS

				Typical Physical & Chemical Properties							
Etercure	Chemical Description	Characteristics	Applications	Functionality	Appearance	Color (Gardner)	Tensile Elongation%	Viscosity (cps at 25˚C)	Tg˚C	Regulatory Status REACH	Regulatory Status TSCA
6413	Special Tertiary Amine Acrylate	· Good reactivity · High gloss · Good chemical resistance	· Wood coatings · Paper and plastic varnishes	2.5	Clear & Clean	2	-	80~120	46.4	-	-
6417	Special Tertiary Amine Acrylate	· Fast curing speed · Low odor · Less surface migration of amine	· Overprint varnishes · Silk screen and flexo inks · Wood coatings · Clear varnishes on paper and plastics	1~2	Light yellow	2	-	800~1,200	-43.1	v	v
6420	Reactive Amine Synergist	· Fast cure speed, especially at the surface · Low level of odor · Light color · Less surface migration of amine · Good stability	· Overprint varnishes · Silk screen and flexo inks · Wood coatings · Clear varnishes on paper and plastics · Pigmented coatings	-	Clear & Clean	2	30.2	15~25	-	v	v
6422	Reactive Amine Synergist	· Low odor · Light color · Good diluent efficiency · Less migration after cured · Fast cure speed, especially at the surface	· Overprint varnishes · Silk screen and flexo inks · Wood coatings · Clear varnishes on paper and plastics · Pigmented coatings	-	Clear & Clean	1	31	70~100	-	-	-
6423	Amine Modified Bisphenol A Type Epoxy Acrylate Resin	· Fast curing speed · Solvent resistance · Very high glos	· Overprinting varnishes · Coating for paper and plastics · Lithographic and screen ink vehiclesod finishes · Metal decorating vehicles · Wood finishes	2	Clear & Clean	5	-	2,000~4,000(60℃)	-	-	-
6425	Amine Modified Bisphenol A Type Epoxy Acrylate Resin	· Fast curing speed · Solvent resistance · Very high gloss	· Overprinting varnishes · Coating for paper and plastics · Lithographic and screen ink vehiclesod finishes · Metal decorating vehicles · Wood finishes	2	Clear & Clean	4	-	2,000~4,000(60℃)	36.7	-	-
6430	Reactive Amine Synergist	· Low odor · Light color · Good diluent efficiency · Less migration after cured · Fast cure speed, especially at the surface	· Overprint varnishes · Silk screen and flexo inks · Wood coatings · Clear vanishes on paper and plastics · Pigmented coatings	1	Clear & Clean	1	32.3	10~20	-	v	v
645	Special Tertiary Amine Acrylate	· Low odor (just monomer-like) · No migration after UV cure · High speed of surface cure	· In place of non-reactive amine synergists · Paper coatings	1~2	Red yellowish	4	35.4	100~130	-17.2	-	-
647	Special Tertiary Amine Acrylate	· Fast cure speed · Low odor · Light color · Less surface migration of amine	· In place of non-reactive amine synergists · Paper coatings	1~2	Red yellowish	3	35.7	80~100	-32.1	-	-

FULL ACRYLICS

				Typical Physical & Chemical Properties						
Etercure	Chemical Description	Characteristics	Applications	Appearance	Color (Gardner)	Viscosity (cps at 25˚C)	Tg˚C	Shore	Regulatory Status REACH	Regulatory Status TSCA
6530B-40	A Full Acrylic Resin Diluted in 60% HDDA	· Fast curing speed · High hardness · Good weather resistance · Good adhesion to difficult substrates	· UV coatings on paper, plastics, metal, wood · UV inks	Clear & Clean	1	13,000~16,500	73.6	91A	v	v
6531B-40	A Full Acrylic Resin Diluted in 60% HDDA	· Good adhesion · Good flexibility	· UV coatings on paper, plastics, metal, wood · UV Adhesives · UV inks	Clear & Clean	1	70,000~110,000	59.6	90A	-	-

FULL ACRYLICS

Etercure	Chemical Description	Characteristics	Applications	Appearance	Color (Gardner)	Viscosity (cps at 25℃)	Tg℃	Shore	Regulatory Status REACH	Regulatory Status TSCA
6532B-40	A Full Acrylic Resin Diluted in 60% HDDA	· High gloss · Good solvent resistance · High hardness	· UV coatings on paper, plastics, metal, wood · UV inks	Clear & Clean	1	14,000~16,000(80℃)	71.2	95A	-	v
6533B-40	A Full Acrylic Resin Diluted in 60% HDDA	· Good hardness and toughness · Good soluble to monomers · Good weather resistance · Improve adhesion to different substrate	· UV coatings on paper, plastics, metal, wood · UV inks	Clear & Clean	1	16,000~32,000	86.2	90A	-	v
6536B-50	A Full Acrylic Resin Diluted in 50% HDDA	· Good adhesion to OPP film · Good compatibility · Good flexibility	· UV screen varnish for opp film	Clear & Clean	3	30,000~50,000	-	90A	-	-
DR-A801	A Full Acrylic Resin Diluted in 46% HDDA/TPGDA	· Fast curing speed · Good flexibility · Improve adhesion to different substrate	· UV coatings on paper, plastics, metal, wood · UV inks	Clear & Clean	1.5	13,000~20,000	7.1	91A	v	-

Typical Physical & Chemical Properties: Appearance, Color, Viscosity, Tg, Shore, Regulatory Status.

SPECIFIC FUNCTIONAL ACRYLATES

Etercure	Chemical Description	Characteristics	Applications	Appearance	Color (Gardner)	Viscosity (cps at 25℃)	Tg℃	Shore	Regulatory Status REACH	Regulatory Status TSCA
601A-35	Organic-inorganic Hybrid Material Dispersion in TPGDA	· Improved scratch-abrasion and chemical-resistance · High durability to weathering and environmental exposure · Higher thermal stability and flame retardancy · Improved adhesion on various substrates · Better dimensional stability and low shrinkage · Antistatic and antiblocking properties · Anticorrosion effect	· Paints, varnishes and adhesives · Inks and overprint varnishes · Polymer substrates · Optical coatings	Clear & Clean	1	170~230	62.7	14D	v	v
601B-35	Organic-inorganic Hybrid Material Dispersion in HDDA	· Improved scratch-abrasion and chemical-resistance · High durability to weathering and environmental exposure · Higher thermal stability and flame retardancy · Improved adhesion on various substrates · Better dimensional stability and low shrinkage · Antistatic and antiblocking properties · Anticorrosion effect	· Paints, varnishes and adhesives · Inks and overprint varnishes · Polymer substrates · Optical coatings	Clear & Clean	1	100~150	51.6	18D	v	v
601C-35	Organic-inorganic Hybrid Material Dispersion in TMPTA	· Improved scratch-abrasion and chemical-resistance · High durability to weathering and environmental exposure · Higher thermal stability and flame retardancy · Improved adhesion on various substrates · Better dimensional stability and low shrinkage · Antistatic and antiblocking properties · Anticorrosion effect	· Paints, varnishes and adhesives · Inks and overprint varnishes · Polymer substrates · Optical coatings	Clear & Clean	1	1,000~2,000	44.2	20D	v	v
601H-35	Organic-inorganic Hybrid Material Dispersion in TMP3EOTA	· Improved scratch-abrasion and chemical-resistance · High durability to weathering and environmental exposure · Higher thermal stability and flame retardancy · Improved adhesion on various substrates · Better dimensional stability and low shrinkage · Antistatic and antiblocking properties · Anticorrosion effect	· Paints, varnishes and adhesives · Inks and overprint varnishes · Polymer substrates · Optical coatings	Clear & Clean	1	800~1,300	47.9	20D	v	v
601Q-35	Organic-inorganic Hybrid Material Dispersion in DPHA	· Improved scratch-abrasion and chemical-resistance · High durability to weathering and environmental exposure · Higher thermal stability and flame retardancy · Improved adhesion on various substrates · Better dimensional stability and low shrinkage · Antistatic and antiblocking properties · Anticorrosion effect	· Paints, varnishes and adhesives · Inks and overprint varnishes · Polymer substrates · Optical coatings	Clear & Clean	1	12,000~25,000	47.9	29D	v	v

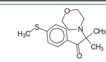
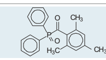
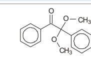
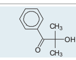
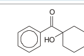
SPECIFIC FUNCTIONAL ACRYLATES

Etercure	Chemical Description	Characteristics	Applications	Typical Physical & Chemical Properties						Regulatory Status	
				Appearance	Color (Gardner)	Acid Value (mg KOH/g)	Viscosity (cps at 25℃)	Tg℃	Shore	REACH	TSCA
6063	Modified Solvent Based Acrylate	· Good adhesion to aluminum · Good flexibility · Good leveling	· Top coatings for spray coating with plastic base · Top coatings with aluminum base, vacuum metalizing thin film	Clear & Clean	1	-	500~650	75.5	85A	-	-
6063-1	Modified Solvent Based Acrylate	· Good leveling · Good adhesion to metal substrate · Good dye compatibility	· Top coatings for spray coating with plastic base · Top coatings with aluminum base, vacuum metalizing thin film	Clear & Clean	1	-	200~400	12	89A	-	-
6068	Modified Solvent Based Acrylate	· Good abrasion resistance · Good solvent resistance · Good leveling	· Top coatings for spray coating with plastic base · Top coatings with aluminum base, vacuum metalizing thin film	Clear & Clean	1	-	1,800~2,800	84.4	87A	-	-
6070	Modified Solvent Based Acrylate	· Good adhesion to aluminum · Good hardness · Good dye compatibility	· Top coatings for spray coating with plastic base · Top coatings with aluminum base, vacuum metalizing thin film	Clear & Clean	1	-	400~560	90	-	-	-
6071	Modified Solvent Based Acrylate	· Good adhesion to aluminum · Good hardness and high gloss	· Top coatings for spray coating with plastic base · Top coatings with aluminum base, vacuum metalizing thin film	Clear & Clean	1	-	1,700~2,100	122	89A	-	-
6071-2	Modified Solvent Based Acrylate	· Good leveling · Excellent abrasion resistance · Good weatherability · Good solvent resistance	· Top coatings for spray coating with plastic base · Top coatings with aluminum base, vacuum metalizing thin film	Clear & Clean	1	-	800~1,400	71.1	5D	-	-
6072	Multifunctional Aliphatic Urethane Acrylate	· Excellent heat resistance · Good hardness and solvent resistance · Excellent abrasion resistance	· Coatings for rigid plastics, such as PC, ABS, and PET substrate	Clear & Clean	1	-	14,000~19,000	89.4	-	-	-
6076	Modified Solvent Based Acrylate	· Fast curing speed · Good chemical resistance · Good hardness and abrasion resistance	· UV scratch resistance coatings on plastic · UV topcoat for PET flim · UV hardcoatings for touch-pad	Clear & Clean	1	-	1,800~2,600	97.7	5D	-	-
6225	Silicone Polyether Acrylate	· Light color · Fast curing speed · Good abrasion resistance	· Protective varnish · Coatings for paper, wood, plastic · Inks	Clear & Clean	3	-	250~650	-	-	-	-
648-1	Acrylated, Carboxyl Acid Terminated	· Acrylate functionality, carboxylic acid	· UV curable etching resists · UV curable plating resists	Clear & Clean	1	App.210	3,000~10,000	44.7	-	v	v
649	Methacrylated, Carboxyl Acid Terminated	· Methacrylate functionality, carboxylic acid	· UV curable etching resists · UV curable plating resists	Clear & Clean	1	App.200	app. 4,000	85.1	-	v	v
8000A	Polyfunctional Oligomers Based On Aliphatic Urethane Acrylate	· High transparency · Good toughness · Good resistance to yellowing · Good water resistance	· UV scratch resistance coatings on plastic · UV topcoat for PET flim · UV hardcoatings for touch-pad	Clear & Clean	1	-	1,800~2,400	75.8	10D	-	v
DR-M451	Melamine Acrylate	· Light color · Fast curing speed · Good yellowing resistance · Good hardness	· UV plastic coating · UV wood coating	Clear & Clean	0.5	-	2,500~3,500	76.8	-	-	-

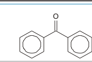
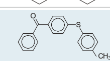
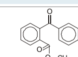
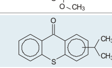
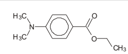
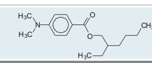
PHOTOINITIATOR

ALPHA CLEAVAGE 44
HYDROGEN ABSTRACTION 44
MIXTURE 44

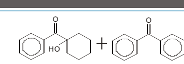
ALPHA CLEAVAGE

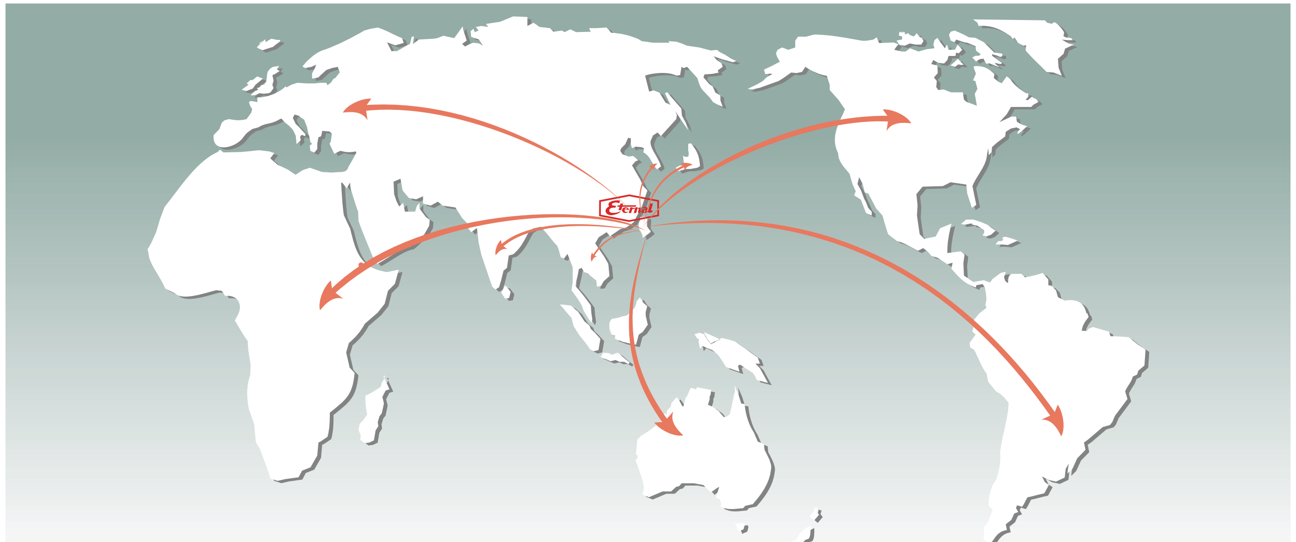
Eterphoto	Chemical Description		Typical Physical & Chemical Properties			
			Appearance	Viscosity (cps at 25˚C)	Melting Point (˚C)	Molecular Weight
PI 907	2-Methyl-1-(4-(methylthio)phenyl)-2-Morpholino-Propan-1-one		White crystaline powder	Solid	72~76	279.4
PI TPO	Diphenyl-(2,4,6-trimethylbenzoyl)-Phosphine Oxide		Light yellow crystal powder	Solid	87~93	348
PI BDK	Benzil Dimethyl Ketal		White crystaline powder	Solid	64~67	256.3
PI 1173	2-Hydroxy-2-Methyl-1-Phenyl-Propan-1-one		Colorless or slightly yellow liquid	21~25	-	164.2
PI 184	1-Hydroxy-Cyclohexylphenyl-Ketone		White crystaline powder	Solid	46~50	204.3

HYDROGEN ABSTRACTION

Eterphoto	Chemical Description		Typical Physical & Chemical Properties			
			Appearance	Viscosity (cps at 25 C)	Melting Point (˚C)	Molecular Weight
PI BP	Benzophenone		White crystaline powder	Solid	47~49	182.2
PI BMS	4.-Benzoyl-4'-Methyldiphenyl Sulphide		Silver white flake	Solid	75~85	304
PI MBB	Methyl-2-Benzoyl Benzoate		White crystalline powder	Solid	48~54	240.3
PI ITX	Isopropyl Thioxanthone (mixture of 2-and4-isomers)		Yellow or off-yellow powder	Solid	74~76	241
PI EDB	Ethyl-4-(dimethylamino) Benzoate		White crystalline powder	Solid	62~64	193
PI EHA	2-Ethylhexyl 4-dimethylaminobenzoate		Clear slight yellow liquid	-	325 (Boiling Point)	277.4

MIXTURE

Eterphoto	Chemical Description		Typical Physical & Chemical Properties			
			Appearance	Viscosity (cps at 25 C)	Melting Point (˚C)	Molecular Weight
PI 500	Mixture of PI 184 and PI BP		Colorless or slightly yellow liquid	-	<25	193



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