NK-ESTER & NK-OLIGO

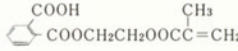
●MONOMER & OLIGOMER

GENERAL TRADERS IMPORTERS & EXPORTERS
Sanyo Corporation of America

500 Fifth Avenue Suite#3620 New York NY 10110, USA
TEL : 212-221-7890 FAX : 212-221-7828
info@sanyocorpusa.com
www.sanyocorpusa.com

NK-ESTER

Mono Methacrylate

Product Name	Chemical Name	Structural fourmula	Molecular weight	Appearance	APHA	Viscosity (CPS/25℃)	Refractive Index	Melting Point (°C)	P.I.I.	Japanese MITI	TSCA No.
M−20G	Methoxy Diethylene Glycol Methacrylate	$CH_2=C(CH_3)-CO-(OCH_2-CH_2)_n-OCH_3$ n= 2	188	Straw colored liquid	20	2	1.4376		0.7	7 −1442	45103-58-0
M−40G	Methoxy Polyethylene Glycol 230 Methacrylate	$CH_2=C(CH_3)-CO-(OCH_2-CH_2)_n-OCH_3$ n̄= 4	293	Straw colored liquid	40	8	1.4491		1.0	7 −1442	26915-72-0
M−90G	Methoxy Polyethylene Glycol 400 Methacrylate	$CH_2=C(CH_3)-CO-(OCH_2-CH_2)_n-OCH_3$ n̄= 9	468	Straw colored liquid	30	23	1.4575	−1 ~ 2		7 −1442	26915-72-0
M−230G	Methoxy Polyethylene Glycol 1000 Methacrylate	$CH_2=C(CH_3)-CO-(OCH_2-CH_2)_n-OCH_3$ n̄=23	1068	White wax	30	55/40℃	1.4598/40℃	33~38		7 −1442	26915-72-0
CB−1	β-Methacryloyl Oxyethyl Hydrogen Phthalate		278	Straw colored liquid	20	3200	1.5202			3 −2959	27697-00-3
SA	β-Methacryloyl Oxyethyl Hydrogen Succinate	$CH_2=C(CH_3)-CO-O-CH_2CH_2-OOC-CH_2CH_2-COOH$	230	Straw colored liquid	500	160	1.4630			9 −1934	20882-04-6
Topolene M	3-Chloro-2-Hydroxy-propyl Methacrylate	$CH_2=C(CH_3)-CO-O-CH_2-CH(OH)-CH_2Cl$	179	Straw colored liquid	10	30	1.4735			2 −1032	13159-52-9
S	Stearyl Methacrylate	$CH_2=C(CH_3)COO-CH_2(CH_2)_{16}CH_3$	338	Straw colored liquid	50	8 (30℃)	1.4503 (30℃)	20		2 −1039	32360-05-7

Mono Acrylate

Product Name	Chemical Name	Structural fourmula	Molecular weight	Appearance	APHA	Viscosity (CPS/25℃)	Refractive Index	Melting Point (°C)	P.I.I.	Japanese MITI	TSCA No.
AMP−10G	Phenoxy Ethyl Acrylate	$CH_2=CH-CO-(OCH_2-CH_2)_n-O$ 	192	Straw colored liquid	20	10	1.5189		1.5	3 −3684	48145-04-5
AMP−20G	Phenoxy Diethylene Glycol Acrylate	$CH_2=CH-CO-(OCH_2-CH_2)_n-O$  n̄= 2	236	Straw colored liquid	150	16	1.5091		2.8	3 −3684	56641-05-5
AMP−60G	Phenoxy Polyethylene Glycol Acrylate	$CH_2=CH-CO-(OCH_2-CH_2)_n-O$ 	412	Straw colored liquid	200	50	1.4953		0.5	3 −3684	56641-05-5
AM−90G	Methoxy Polyethylene Glycol 400 Acrylate	$CH_2=CH-CO-(OCH_2-CH_2)_n-OCH_3$ n̄= 9	454	Straw colored liquid	40	25	1.4595	6 ~ 7		7 −1439	32-171-39-4

GENERAL TRADERS IMPORTERS & EXPORTERS
Sanyo Corporation of America
500 Fifth Avenue Suite#3620 New York NY 10110, USA
TEL : 212-221-7890 FAX : 212-221-7828
info@sanyocorpusa.com
www.sanyocorpusa.com

Mono Acrylate

Product Name	Chemical Name	Structural fourmula	Molecular weight	Appearance	APHA	Viscosity (CPS/25℃)	Refractive Index	Melting Point (°C)	P.I.I.	Japanese MITI	TSCA No.
A-SA	β-Acryloyl Oxyethyl Hydrogen Succinate	$CH_2=CH-COOCH_2CH_2OOC-CH_2CH_2COOH$	216	Straw colored liquid	100	180	1.4634		4.5	2-1006	50940-49-3
LA	Lauryl Acrylate	$CH_2=CHCOO-CH_2(CH_2)_{10}CH_3$	240	Clear liquid	10	4	1.4419			2-990	2156-97-0

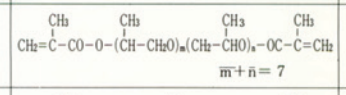
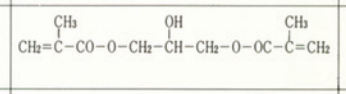
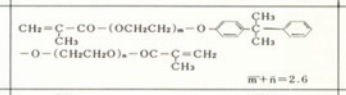
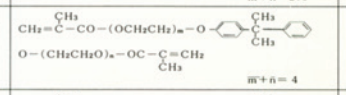
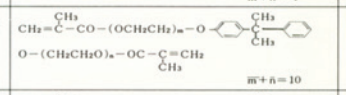
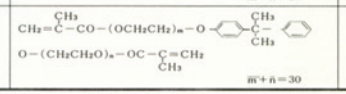
Di Methacrylate

Product Name	Chemical Name	Structural fourmula	Molecular weight	Appearance	APHA	Viscosity (CPS/25℃)	Refractive Index	Melting Point (°C)	P.I.I.	Japanese MITI	TSCA No.
1G	Ethylene Glycol Dimethacrylate	$CH_2=C(CH_3)-COOCH_2CH_2OOC-C(CH_3)=CH_2$	198	Straw colored liquid	10	3	1.4519			2-1056	97-90-5
2G	Diethylene Glycol Dimethacrylate	$CH_2=C(CH_3)-COO-(CH_2CH_2O)_n-OCC(CH_3)=CH_2$ $n=2$	242	Straw colored liquid	20	5	1.4568		0.5	7-1438	2358-84-1
3G	Triethylene Glycol Dimethacrylate	$CH_2=C(CH_3)-COO-(CH_2CH_2O)_n-OCC(CH_3)=CH_2$ $n=3$	286	Straw colored liquid	30	9	1.4590			7-1438	109-16-0
4G	Polyethylene Glycol 200 Dimethacrylate	$CH_2=C(CH_3)-COO-(CH_2CH_2O)_n-OCC(CH_3)=CH_2$ $\bar{n}=4$	330	Straw colored liquid	40	14	1.4612		0.5	7-1438	25852-47-5
9G	Polyethylene Glycol 400 Dimethacrylate	$CH_2=C(CH_3)-COO-(CH_2CH_2O)_n-OCC(CH_3)=CH_2$ $\bar{n}=9$	536	Straw colored liquid	40	35	1.4655	−14~−11		7-1438	25852-47-5
14G	Polyethylene Glycol 600 Dimethacrylate	$CH_2=C(CH_3)-COO-(CH_2CH_2O)_n-OCC(CH_3)=CH_2$ $\bar{n}=14$	736	Straw colored liquid	30	64	1.4668	4~8		7-1438	25852-47-5
23G	Polyethylene Glycol 1000 Dimethacrylate	$CH_2=C(CH_3)-COO-(CH_2CH_2O)_n-OCC(CH_3)=CH_2$ $\bar{n}=23$	1136	White wax	30	80/40℃	1.4624/40℃	30~32		7-1438	25852-47-5
BG	1,3-Butane Diol Dimethacrylate	$CH_2=C(CH_3)-COO-CH_2CH_2CH(CH_3)-OOCC(CH_3)=CH_2$	226	Straw colored liquid	20	4	1.4500			2-1059	1189-08-8
HD	1,6-Hexane Diol Dimethacrylate	$CH_2=C(CH_3)-CO-O(CH_2)_6O-OC-C(CH_3)=CH_2$	254	Straw colored liquid	150	6	1.4565	−10>	0.5	2-958	6606-59-3
NPG	Neopentyl Glycol Dimethacrylate	$CH_2=C(CH_3)-CO-O-CH_2-C(CH_3)_2-CH_2-O-OC-C(CH_3)=CH_2$	240	Straw colored liquid	20	5	1.4514	15~16		2-958	1985-51-9

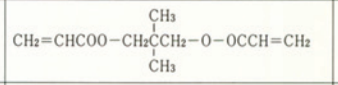
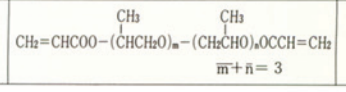
GENERAL TRADERS IMPORTERS & EXPORTERS
Sanyo Corporation of America

500 Fifth Avenue Suite#3620 New York NY 10110, USA
TEL : 212-221-7890 FAX : 212-221-7828
info@sanyocorpusa.com
www.sanyocorpusa.com

Di Methacryate

Product Name	Chemical Name	Structural fourmula	Molecular weight	Appearance	APHA	Viscosity (CPS/25℃)	Refractive Index	Melting Point(℃)	P.I.I.	Japanese MITI	TSCA No.
9PG	Polypropylene Glycol 400 Dimethacrylate	 $\overline{m}+\overline{n}=7$	536	Straw colored liquid	100	27	1.4507			7－1438	25852-49-7
701	2-Hydroxy 1.3 dimethacryloxy Propane		228	Straw colored liquid	40	40	1.4700		0.6	2－958	1830-78-0
BPE－100	2-2, Bis (4-(Methacryloxyethoxy) Phenyl) Propane	 $\overline{m}+\overline{n}=2.6$	478	Straw colored liquid	700	920	1.5392			7－1434	41637-38-1
BPE－200	2-2, Bis (4-(Methacryloxy diethoxy) Phenyl) Propane	 $\overline{m}+\overline{n}=4$	540	Straw colored liquid	300	650	1.5320		1.0	7－1434	41637-38-1
BPE－500	2-2, Bis (4-(Methacryloxy polyethoxy) Phenyl) Propane	 $\overline{m}+\overline{n}=10$	804	Straw colored liquid	400	400	1.5130		0.9	7－1434	41637-38-1
BPE－1300	2-2, Bis (4-(Methacryloxy polyethoxy) Phenyl) Propane	 $\overline{m}+\overline{n}=30$	1684	Straw colored liquid	500	550		19～21		7－1434	41637-38-1

Di Acrylate

Product Name	Chemical Name	Structural fourmula	Molecular weight	Appearance	APHA	Viscosity (CPS/25℃)	Refractive Index	Melting Point(℃)	P.I.I.	Japanese MITI	TSCA No.
A－200	Polyethlene Glycol 200 Diacrylate	$CH_2=CH-CO-O(CH_2-CH_2O)_nOC-CH=CH_2$ $\overline{n}=4$	308	Straw colored liquid	20	22	1.4643		2.5	7－152	26570-48-9
A－400	Polyethylene Glycol 400 Diacrylate	$CH_2=CH-CO-O(CH_2-CH_2O)_nOC-CH=CH_2$ $\overline{n}=9$	508	Straw colored liquid	20	58	1.4657		0.4	7－152	26570-48-9
A－600	Polyethylene Glycol 600 Diacrylate	$CH_2=CH-CO-O(CH_2-CH_2O)_nOC-CH=CH_2$ $\overline{n}=14$	708	Straw colored liquid	30	70	1.4676	12～17	1.0	7－152	26570-48-9
A－HD	1.6 Hexane Diol Diacrylate	$CH_2=CH-COO(CH_2)_6OOC-CH=CH_2$	226	Straw colored liquid	150	8	1.4556	8～10	5.0	2－958	13048-33-4
A－NPG	Neopentyl Glycol Diacrylate		212	Straw colored liquid	20	6	1.4496	－10>	4.1	2－958	2223-82-7
APG－200	Tripropylene Glycol Diacrylate	 $\overline{m}+\overline{n}=3$	300	Straw colored liquid	150	12	1.4493		1.0	7－152	

GENERAL TRADERS IMPORTERS & EXPORTERS
Sanyo Corporation of America

500 Fifth Avenue Suite#3620 New York NY 10110, USA
TEL : 212-221-7890 FAX : 212-221-7828
info@sanyocorpusa.com
www.sanyocorpusa.com

Di Acrylate

Product Name	Chemical Name	Structural fourmula	Molecular weight	Appearance	APHA	Viscosity (CPS/25℃)	Refractive Index	Melting Point (℃)	P.I.I.	Japanese MITI	TSCA No.
APG-400	Polypropylene Glycol 400 Diacrylate	$CH_2=CHCOO-(CHCH_2O)_m-(CH_2CHO)_n-OCCH=CH_2$ (CH_3 on each; $\overline{m}+\overline{n}=7$)	536	Straw colored liquid	100	27	1.4494			7－152	
APG-700	Polypropylene Glycol 700 Diacrylate	$CH_2=CHCOO-(CHCH_2O)_m-(CH_2CHO)_n-OCCH=CH_2$ (CH_3 on each; $\overline{m}+\overline{n}=12$)	808	Straw colored liquid	70	71	1.4497		1.2	7－152	
A-BPE-4	2.2 Bis [4-(Acryloxy Diethoxy) Phenyl] Propane	$CH_2=CH-CO-(OCH_2CH_2)_m-O$ (C(CH3)2) $O-(CH_2CH_2O)_n-OC-CH=CH_2$ ($\overline{m}+\overline{n}=4$)	512	Clear liquid	150	1100	1.5365		0.7	7－1436	64401-02-1
701A	2-Hydroxy 1-Acryloxy 3-Methacryloxy Propane	$CH_2=CH-COO-CH_2-CH(OH)-CH_2-OOC-C(CH_3)=CH_2$	214	Clear liquid	40	44	1.4708		3.4	2－958	

Triester and others

Product Name	Chemicals Name	Structural fourmula	Molecular weight	Appearance	APHA	Viscosity (CPS/25℃)	Refractive Index	Melting Point (℃)	P.I.I.	Japanese MITI	TSCA No.
TMPT	Trimethylol Propane Trimethacrylate	$CH_3-CH_2-C(CH_2OOC-C(CH_3)=CH_2)_3$	338	Clear liquid	30	42	1.4713		0.8	2－1062	3290-92-4
A-TMPT	Trimethylol Propane Triacrylate	$CH_3-CH_2-C(CH_2OOC-CH=CH_2)_3$	296	Clear liquid	80	95	1.4750		4.6	2－1010	15625-89-5
A-TMM-3L	Tetramethylol Methane Triacrylate (Triester About 55%)	$HOCH_2-C-(CH_2-OOC-CH=CH_2)_3$	ca298	Clear liquid	200	700	1.4830		3.4	2－1003	3524-68-3
A-TMMT	Tetramethylol Methane Tetraacrylate	$C-(CH_2OOC-CH=CH_2)_4$	352	Staw colored wax	150	159／40℃	1.4779	25～30	3.0	2－2578	4986-89-4

GENERAL TRADERS IMPORTERS & EXPORTERS
Sanyo Corporation of America

500 Fifth Avenue Suite#3620 New York NY 10110, USA
TEL : 212-221-7890 FAX : 212-221-7828
info@sanyocorpusa.com
www.sanyocorpusa.com

NK-OLIGO

Oligomer

Product Name	Molecular Weight	Appearance	Color (APHA)	Viscosity(P)	Meltingpoint (°C)	Number of Double bond	P.I.I.	Physical proprety of film tensile strength(kg/cm²)	Elongation (%)	Hardness (pencil)	Remark
U－4HA	590	Straw colored liquid	20	200／25℃		4	1.3			4 H	
U－6HA	1146	Straw colored viscous liquid	30	1600／50℃ 5000／40℃		6				3 H	
U－108A	1570	White wax	30	210／50℃ 420／40℃		2	2.3	52	65	3 B	
U－200AX	2720	Straw colored viscous liquid	70			2		60	100	3 B	
UA－122P	1010	Straw colored viscous liquid	70	210／40℃		2		260	65		
U－324A	350～1300	Straw colored viscous liquid	70	120／40℃		4～6				4 H	
EA－1020	520	Straw colored liquid	40	130／50℃		2	0.7			3 H	
EMA－1020	540	Straw colored liquid	40	140／50℃		2				4 H	
EA－6320	1900	Brown liquid		200～300／25℃		4				5 H	diluted by 20% of ECA (Ethylcellosolve acetate)
EA－1010	448	Brown liquid		＜200／25℃		1					ECA 10～20% epoxy eq 450

GENERAL TRADERS IMPORTERS & EXPORTERS
Sanyo Corporation of America

500 Fifth Avenue Suite#3620 New York NY 10110, USA
TEL : 212-221-7890 FAX : 212-221-7828
info@sanyocorpusa.com
www.sanyocorpusa.com

NK-ESTER. NK-OLIGO

Application:

Plastisol, Vulcanization, Printing Ink, Coating, Adhesives, Photoresist, Materials for printing, Reforming of synthetic fibre, Paper process, W.P.C., Emulsion polymerization, molding,
Both NK-ESTER and NK-OLIGO have various applications in many fields.

Packing:

(1) In 18 kgs net cubic container with poly-lining.
(2) In 200 kgs net chemi-Iron drum.

Label color:

Blue : Methacrylate
Red : Acrylate
Black : Oligomer
Green : Monofunctional monomer of acrylate and methacrylate.

Precausion for Storage:

NK-ESTER and NK-OLIGO should be stored in a cool and dark place.
Particularly the storage conditlon of NK.ESTER has to be confirmed in advance because stability of it varies grade by grade.
Be sure not to put in foreign matters in the product.

Precausion for handling:

While handling acrylate monomers(NK-ESTER),wear rubber gloves or apply other protective tools to avoid direct skin contact.
In case of skin contact of acrylate and methacrylate,throughly wash away with enough water or soapy water.
Be careful of handling acrylates since certain grades may cause rash on the skin.

GENERAL TRADERS IMPORTERS & EXPORTERS
Sanyo Corporation of America
500 Fifth Avenue Suite#3620 New York NY 10110, USA
TEL : 212-221-7890 FAX : 212-221-7828
info@sanyocorpusa.com
www.sanyocorpusa.com