

Tab. 7: (taken from UV/EB labelling guide fourth edition 2011) **updated June 2014**

 Tab. 7.1 Classification & labelling of UV/EB acrylates **evaluated by a 2010 REACH registration done by PARAD**

Substance	Abbrev.	Index number	CAS No	EC No	CLP Symbol	Hazard Statement	Signal Word	Transport classification (ADR)
1,6-hexanediol diacrylate	HDDA	607-109-00-8	13048-33-4	235-921-9	GHS07	H315 H317 H319 H412	Warning	-
2-propenoic acid reaction products with pentaerythritol	PETIA/ PETA	-	1245638-61-2	629-850-6	GHS09 GHS07 GHS05	H302 H315 H318 H317 H411	Danger	Class 9 VGr: III UN3082
Pentaerythritol triacrylate	PETIA	607-110-00-3	3524-68-3	see above CAS no 12456-38-61-2				
Pentaerythritol tetraacrylate	PETA	607-122-00-9	4986-89-4	see above CAS no 12456-38-61-2				
Trimethylolpropane triacrylate	TMPTA	607-111-00-9	15625-89-5	239-701-3	GHS07	H315 H319 H317 H412	Warning	-
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	TMP(EO)TA	-	28961-43-5	500-066-5	GHS07	H319 H317	Warning	-
Propylidynetrimethyl trimethacrylate	TMPTMA	-	3290-92-4	221-950-4	GHS09	H411	Warning	Class 9 VGr: III UN3082
Glycerol, propoxylated, esters with acrylic acid (1 - 6.5 moles propoxylated)	GPTA	-	52408-84-1	500-114-5	GHS07	H319 H317	Warning	-
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	BADGDA	-	55818-57-0 (37625-93-7 merged with above CAS)	500-130-2 (500-100-9 merged with above EC)	GHS07	H317	Warning	-

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1,6-hexanediol diacrylate	HDDA	607-109-00-8	13048-33-4	235-921-9	GHS07	H315 H317 H319 H412	Warning	-
2-propenoic acid reaction products with pentaerythritol	PETIA/ PETA	-	1245638-61-2	629-850-6	GHS09 GHS07 GHS05	H302 H315 H318 H317 H411	Danger	Class 9 VGr: III UN3082
Pentaerythritol triacrylate	PETIA	607-110-00-3	3524-68-3	see above CAS no 12456-38-61-2				
Pentaerythritol tetraacrylate	PETA	607-122-00-9	4986-89-4	see above CAS no 12456-38-61-2				
Trimethylolpropane triacrylate	TMPTA	607-111-00-9	15625-89-5	239-701-3	GHS07	H315 H319 H317	Warning	-
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	TMP(EO)TA	-	28961-43-5	500-066-5	GHS07	H319 H317	Warning	-
Propylidynetrimethyl trimethacrylate	TMPTMA	-	3290-92-4	221-950-4	GHS09	H411	Warning	Class 9 VGr: III UN3082
Glycerol, propoxylated, esters with acrylic acid (1 - 6.5 moles propoxylated)	GPTA	-	52408-84-1	500-114-5	GHS07	H319 H317	Warning	-
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	BADGDA	-	55818-57-0 (37625-93-7 merged with above CAS)	500-130-2 (500-100-9 merged with above EC)	GHS07	H317	Warning	-
Oxybis(methyl-2,1-ethanediyl) diacrylate	DPGDA	-	57472-68-1	260-754-3	GHS05	H315 H318 H317	Danger	-

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(1-methyl-1,2-ethanedyl)bis[oxy(methyl-2,1-ethanedyl)]	TPGDA	607-249-00-X	42978-66-5	256-032-2	GHS07 GHS09	H315 H319 H317 H335 H411	Warning	Class 9 VGr: III UN3082
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Tab 7. 2 Classification & labelling of UV/EB acrylates *evaluated by a 2013 REACH registration done by PARAD*

Substance	Abbrev.	CAS No	EC No	CLP Symbol	Hazard Statement	Signal Word	Transport classification (ADR)
2-Propenoic acid, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] ester, reaction products with diethylamine		111497-86-0	601-101-8	GHS07	H315 H317 H319	Warning	-
2-[2-[2-(1-methyl-2-prop-2-enoyloxy-ethoxy)ethoxymethyl]-2-[2-(2-prop-2-enoyloxypropoxy)ethoxymethyl]butoxy]ethoxy]propyl prop-2-enoate	TMP(PO)EOTA	118800-30-9	601-566-7	none	None	-	-
Esterification product of 2,2-bis(hydroxymethyl)-1,3-propanediol, ethoxylated and propoxylated and prop-2-enoic acid.	Pentaerythritol, alkoxylated, esters with acrylic acid	144086-02-2	604-394-0	GHS07 GHS09	H319 H411	Warning	Class 9 VGr: III UN3082
2-(2-hydroxyethoxy)propyl prop-2-enoate; 2-[2-[2-(1-methyl-2-prop-2-enoyloxy-ethoxy)ethoxymethyl]butoxy]ethoxy]propyl 3-(dibutylamino)propanoate	TMP(PO)EOTA (DBA)	173011-06-8	605-658-8	GHS07	H317	Warning	-
2-[2,2-bis(2-prop-2-enoyloxyethoxymethyl)butoxy]ethyl 3-(dibutylamino)propanoate	TMPEOTA-DBA	195008-76-5	606-330-7	GHS07	H317 H319	Warning	-
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid.	BPA(EO)4DMA	41637-38-1	609-946-4	none	H413	-	-
2-Propenoic acid, 2-phenoxyethyl ester	POEA	48145-04-6	256-360-6	GHS07 GHS09	H317 H411	Warning	Class 9 VGr: III UN3082
Pentaerythritol, ethoxylated, esters with acrylic acid	PPTTA	51728-26-8	500-111-9	GHS07 GHS09	H315 H319, H411	Warning	Class 9 VGr: III UN3082

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Substance	Abbrev.	CAS No	EC No	CLP Symbol	Hazard Statement	Signal Word	Transport classification (ADR)
1,4-butanediylbis[oxy(2-hydroxy-3,1-propanediyl)] diacrylate	BDGDA	52408-42-1	257-900-3	GHS05 GHS07	H302 H317 H318 H412	Danger	-
Propylidynetrimethanol, propoxylated, esters with acrylic acid	TMP(PO)3TA	(53879-54-2) 68890-85-7	676-712-6	GHS07	H315 H319	Warning	-
[[[2-[2-(2-(3-chloro-2-hydroxy-propoxy)propoxymethyl]-3-(2-prop-2-enoyloxypropoxy)-2-(2-prop-2-enoyloxypropoxymethyl)propoxy]-1-methyl-ethyl]]	PETA-EPI-TA	57903-73-8	611-591-5	GHS07 GHS09	H317 H411	Warning	Class 9 VGr: III UN3082
2-Propenoic acid, reaction products with dipentaerythritol	DPPA (DPHA)	1384855-91-7 (60506-81-2 29570-58-9)	800-838-4	GHS07	H315 H317 H412	Warning	-
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and prop-2-enoic acid.	BPA(EO)nDA	64401-02-1	613-584-2	none	H411	-	Class 9 VGr: III UN3082
(5-ethyl-1,3-dioxan-5-yl)methyl acrylate	TMPFA	66492-51-1	266-380-7	GHS07 GHS09	H315 H317 H411	Warning	Class 9 VGr: III UN3082
Esterification product of poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-hydroxy- and prop-2-enoic acid	NPG(PO)nDA	84170-74-1	617-546-6	GHS07 GHS09	H317 H411	Warning	Class 9 VGr: III UN3082
Soybean oil, epoxidised, acrylate	Soybean oil, epoxidised, acrylate	91722-14-4	294-415-6	none	none	-	-

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Substance	Abbrev.	CAS No	EC No	CLP Symbol	Hazard Statement	Signal Word	Transport classification (ADR)
2-[[2,2-bis[[[1-oxoallyl]oxy]methyl]butoxy]methyl]-2-ethyl-1,3-propanediyl diacrylate	DTMPTTA	94108-97-1	302-434-9	GHS07 GHS09	H319 H411	Warning	Class 9 VGr: III UN3082
Reaction product of poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[[1-oxo-2-propenyl]oxy]-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1) and N-ethylethanamine	TMPEOTA + DEA	159034-91-0	500-425-6	GHS07	H317 H319 H412	Warning	-
2-Propenoic acid, monoester with 1,2-propanediol, polymer with 2-(chloromethyl)oxirane, dihydro-2,5-furandione and 4,4'-(1-methylethylidene)bis[phenol]		68958-77-0	500-240-0	GHS07	H317	Warning	-
2-Propenoic acid, isodecyl ester	IDA	1330-61-6	1330-61-6	GHS07 GHS09	H317 H335 H411	Warning	Class 9 VGr: III UN3082