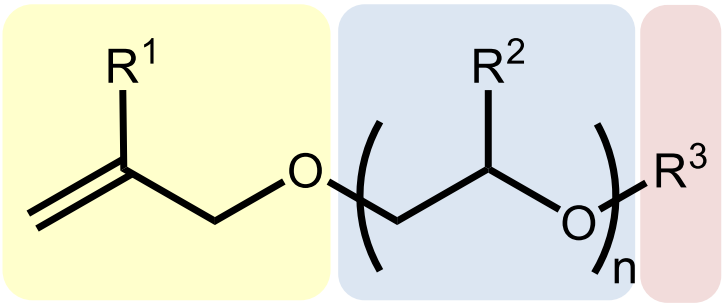
NOF CORPORATION

Allylpolyether

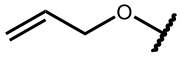
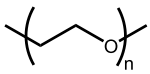
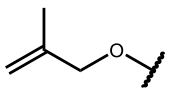
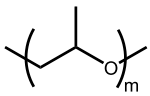
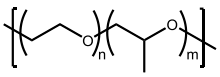
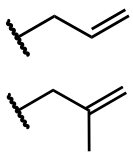
1. Introduction

Allylpolyethers are reactive polyethers. NOF has a wide range of allylpolyether products.

【Structure】



Reactive Group | **Polyether Unit** | **End Group**

Reactive	Polyether	End
 Allyl	 Polyoxyethylene	—H
 Metallyl	 Polyoxypropylene	—CH_3
	 Random polymer	—C_4H_9
		

2. Product Lineup

2.1 Hydroxyl group ended type products

Product Name	Appearance (25℃)	Chemical Name	Chemical Formula	Cloud point (℃, 1%aq)	Viscosity (mm^2/s)	Average Molecular Weight	EO/PO Molar Ratio
UNIOX® PKA-5001	Liquid	Polyethylene glycol allyl ether	$H_2C=CHCH_2O(EO)_nH$	＞ 90	2 (210°F)	200	100/0
UNIOX® PKA-5002 *	Liquid			＞ 90	4 (210°F)	400	100/0
UNIOX® PKA-5003	Liquid			＞ 90	5 (210°F)	450	100/0
UNIOX® A-580	Liquid			＞ 90	7 (100℃)	580	100/0
UNIOX® PKA-5004	Solid			＞ 90	10 (210°F)	750	100/0
UNIOX® PKA-5005 *	Solid			＞ 90	26 (100℃)	1,500	100/0
UNISAFE® PKA-5011 *	Liquid	Polyethylene glycol polypropylene glycol allyl ether	$H_2C=CHCH_2O[(EO)_m(PO)_n]H$ (Random type)	＞ 90	70 (25℃)	750	75/25
UNISAFE® PKA-7317	Liquid			Insoluble	170 (25℃)	1,500	20/80
POLYCERIN® 25PK-120 *	Liquid			27	260 (25℃)	2,000	25/75
UNISAFE® PKA-5012 *	Liquid			＞ 80	360 (25℃)	2,000	75/25
UNILUBE® PKA-5013	Liquid			53	270 (25℃)	2,000	50/50
POLYCERIN® 40PK-126 *	Liquid			43	400 (25℃)	2,600	40/60
POLYCERIN® PK-115 *	Liquid	Polypropylene glycol allyl ether	$H_2C=CHCH_2O(PO)_nH$	Insoluble	160 (25℃)	1,500	0/100

* : Make-to-order type product

® : Registered Trademarks of NOF CORPORATION in Japan.

2.2 Alkoxy or allyloxy ended type products

Product Name	Appearance (25℃)	Chemical Name	Chemical Formula	Cloud point (℃, 1%aq)	Viscosity (mm^2/s)	Average Molecular Weight	EO/PO Molar Ratio
UNIOX® PKA-5006	Liquid	Methoxy polyethylene glycol allyl ether	$H_2C=CHCH_2O(EO)_nCH_3$	＞90	10 (25℃)	350	100/0
UNIOX® PKA-5007	Liquid			＞90	13 (25℃)	400	100/0
UNIOX® PKA-5008	Liquid			＞90	3 (100℃)	450	100/0
UNIOX® PKA-5009	Liquid			＞90	4 (100℃)	550	100/0
UNIOX® PK-216 *	Solid			＞90	8 (100℃)	800	100/0
UNIOX® PKA-5010	Solid			＞90	21 (100℃)	1,500	100/0
POLYCERIN® 35PK-210 *	Liquid	Methoxy polyethylene glycol polypropylene glycol allyl ether	$H_2C=CHCH_2O[(EO)_m(PO)_n]CH_3$ (Random type)	40	60 (25℃)	1,000	35/65
POLYCERIN® 80PK-212 *	Liquid			＞90	120 (25℃)	1,200	80/20
POLYCERIN® 70PK-215 *	Liquid			80	140 (25℃)	1,500	70/30
POLYCERIN® 50PK-220 *	Liquid			49	220 (25℃)	2,000	50/50
UNISAFE® PKA-5015	Liquid	Butoxy polyethylene glycol polypropylene glycol allyl ether	$H_2C=CHCH_2O〔(EO)_m(PO)_n〕C_4H_9$ (Random type)	65	170 (25℃)	1,600	75/25
UNISAFE® PKA-5016	Liquid			36	160 (25℃)	1,600	50/50
UNISAFE® PKA-5017 *	Liquid			35	320 (25℃)	2,500	50/50
POLYCERIN® PK-215 *	Liquid	Methoxy polypropylene glycol allyl ether	$H_2C=CHCH_2O(PO)_nCH_3$	Insoluble	120 (25℃)	1,450	0/100
POLYCERIN® PK-308 *	Liquid	Butoxy polypropylene glycol allyl ether	$H_2C=CHCH_2O(PO)_nC_4H_9$	Insoluble	40 (25℃)	800	0/100
UNIOX® PKA-7201	Liquid	Polyethylene glycol diallyl ether	$H_2C=CHCH_2O(EO)_nCH_2CH=CH_2$	＞90	4 (100℃)	500	100/0
UNIOX® PKA-6206	Solid			＞90	8 (100℃)	800	100/0
POLYCERIN® PK-513E *	Liquid	Polypropylene glycol diallyl ether	$H_2C=CHCH_2O(PO)_nCH_2CH=CH_2$	Insoluble	75 (25℃)	1,300	0/100
UNISAFE® PKA-5018 *	Liquid			Insoluble	760 (25℃)	4,100	0/100
UNIOX® PK-713 *	Liquid	Polyethylene glycol dimetallyl ether	$H_2C=C(CH_3)CH_2O(EO)_nCH_2C(CH_3)=CH_2$	＞90	6 (100℃)	700	100/0
POLYCERIN® PK-712E *	Liquid	Polypropylene glycol dimetallyl ether	$H_2C=C(CH3)CH_2O(PO)_nCH_2C(CH_3)=CH_2$	Insoluble	80 (25℃)	1,300	0/100

* : Make-to-order type product
® : Registered Trademarks of NOF CORPORATION in Japan.

3. Regulatory Registration Status in Each Country

Please contact and ask our sales representative.

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The values listed are representative and are not guaranteed.