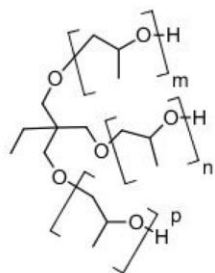


SUBSTANCE SAMENESS INFORMATION SHEET: TMP-PO

September 2025

REACH name	Propylidynetrimethanol, propoxylated; 1 - 6.5 mol propoxylated
Common name	TMP-PO
REACH substance type	UVCB
EC No. (EINECS / NLP)	500-041-9
Other identifier: CAS No.	25723-16-4
CAS Name	Poly(oxy(methyl-1,2-ethanediyl)), alpha-hydro-omega-hydroxy-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol
Molecular formula	$C_3H_5(CH_2OR)_3$ $R = (C_2H_3(CH_3)O)_nH$
Ratio starting materials	TMP : PO = 1 : ($1 \leq PO < 6,5$)
CMR	no CMR constituent above classification limit

Structural formula



UVCB: Ambiguous structure as the $x=m+n+p$ monomers (Propylene oxide) can be connected to the different OH-groups of the starter molecule (Trimethylolpropane). Constituent of a UVCB with no applicable IUPAC name. Please see the comments in the molecular and structure information section.
Reaction product of 1 eq. of Trimethylolpropane with x eq. of Propylene oxide.

TYPICAL COMPOSITION

EC number	EC name	CAS number	IUPAC name	Concentration range (wt %)
201-074-9	Trimethylolpropane	77-99-6	2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	0 - <3
	Reaction product of 1 eq. of Trimethylolpropane with 1 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with 1 eq. of Propylene oxide	0 - 2
	Reaction product of 1 eq. of Trimethylolpropane with 2 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with 2 eq. of Propylene oxide	0 - 37
	Reaction product of 1 eq. of Trimethylolpropane with 3 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with 3 eq. of Propylene oxide	4 - 48
	Reaction product of 1 eq. of Trimethylolpropane with 4 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with 4 eq. of Propylene oxide	9 - 32
	Reaction product of 1 eq. of Trimethylolpropane with 5 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with 5 eq. of Propylene oxide	0 - 32
	Reaction product of 1 eq. of Trimethylolpropane with 6 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with 6 eq. of Propylene oxide	0 - 27
	Reaction product of 1 eq. of Trimethylolpropane with 7 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with 7 eq. of Propylene oxide	0 - 16
	Reaction product of 1 eq. of Trimethylolpropane with 8 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with 8 eq. of Propylene oxide	0 - 11
	Reaction product of 1 eq. of Trimethylolpropane with 9 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with eq. of Propylene oxide	0 - 6
	Reaction product of 1 eq. of Trimethylolpropane with 10 eq. of Propylene oxide		Reaction product of 1 eq. of Trimethylolpropane with 10 eq. of Propylene oxide	0 - 3