

# Cyclic and linear siloxanes in silicone-containing additives

## Purified alternatives to additives with higher cyclic and linear siloxanes content

### Regulatory changes in the EU

As of June 2018, silicone-based products containing 0.1 % or more **D4, D5, or D6 cyclic siloxanes** must be reported as containing these substances of very high concern (SVHC) on the EU safety data sheet.

Since January and June 2025 respectively, the same applies for the **linear siloxanes L3 and L4**.

As a further change, from June 2026, suppliers may not place material on the EU consumer market that contain equal to or greater than 0.1 % of D4, D5, or D6 each.\*<sup>1</sup>

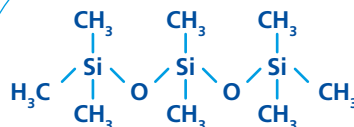
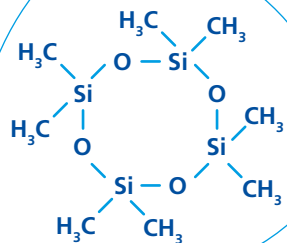
For some additives, BYK offers purified alternatives with a residual content of less than 0.1 % of the aforementioned cyclic and linear siloxanes, ensuring safe use in any formulation.

### What does "purified" mean?

By adding an additional production step after manufacturing, the cyclic (D4/D5/D6) and linear (L3/L4) siloxanes content is reduced to less than 0.1 % each.

BYK offers purified alternatives that comply with these regulatory requirements while also meeting the highest application-related demands.

Annex XVII to REACH,  
entry 70



\*<sup>1</sup> For applicable derogations, please refer to [ECHA](#) guidelines.

## Cyclic siloxanes

Standard additives with a cyclic siloxanes content of $\geq 0.1\%$ D4/D5/D6	Alternatives containing $< 0.1\%$ D4/D5/D6
<b>Defoamers</b>	
BYK-017	BYK-1707
BYK-019	BYK-1709
BYK-1797	
<b>Surface additives</b>	
BYK-300	BYK-3750/BYK-3755
BYK-301	BYK-3751
BYK-302	BYK-3752
BYK-306	BYK-3761/BYK-3765
BYK-307	BYK-3762
BYK-323	BYK-3780
BYK-330	BYK-3763
BYK-331	BYK-3753
BYK-342	BYK-3754/BYK-3756
BYK-370	BYK-3772
BYK-375	
BYK-377	BYK-3771
BYK-378	BYK-3764
BYK-L 9565	BYK-L 9566
BYK-L 9568	BYK-L 9569
BYK-L 9575	
BYK-SILCLEAN 3701	
BYK-SILCLEAN 3710	
BYK-UV 3500	Technical alternative: BYK-UV 3505
BYK-UV 3510	BYK-UV 3511
BYK-UV 3570	
BYK-UV 3575	

## Linear siloxanes

Standard additives with a linear siloxanes content of $\geq 0.1\%$ L3/L4	Alternatives containing $< 0.1\%$ L3/L4
<b>Surface additives</b>	
BYK-345	
BYK-348	
BYK-349	BYK-3459
BYK-3455	
BYK-3456	
BYK-ET 3061	
BYK-L 9525	
BYK-L 9575	
BYK-P 9911	

Unless otherwise stated in the EU SDS, all silicone-containing additives not mentioned have a content of less than 0.1 % each of cyclic (D4, D5, D6) and linear (L3, L4) siloxanes.\*<sup>2</sup>

\*<sup>2</sup> Exceptions:  
TIXOGEL-RCM and TIXOGEL-VSP  
(see the TDS for more information)



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