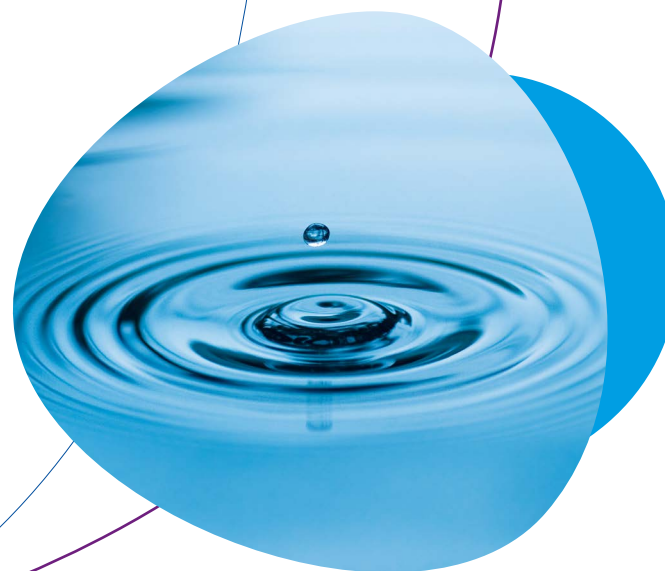


PRODUCT GUIDE  
**LOW CYCLIC SILICONE  
SURFACE ADDITIVES**





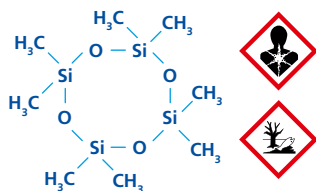
## Cyclic siloxanes in silicone-based surface additives

### Purified alternatives to additives with a higher cyclic siloxanes content

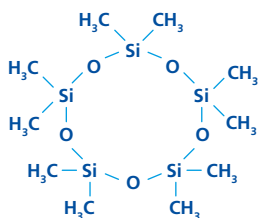
As of June 2018, silicone-based products containing 0.1 % or more D4, D5, or D6 cyclic siloxanes must be labeled as SVHC (Substance of Very High Concern) on the EU Safety Data Sheet.

BYK offers purified alternatives with a residual D4, D5, and D6 content of less than 0.1 % each to ensure safe use in any formulation.

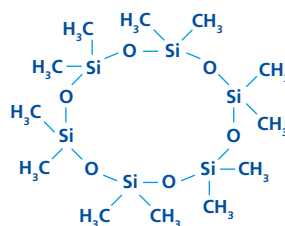
### Cyclic siloxanes D4/D5/D6



D4 = CMR substance + SVHC



D5 = SVHC



D6 = SVHC

### What does “purified” mean?

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

### BYK silicone additives with a cyclic siloxanes content of 0.1 % or higher and their low cyclic alternatives:

Standard additives with a cyclic siloxanes content of $\geq 0.1\%$	Alternatives with a cyclic siloxanes content of $< 0.1\%$
BYK-300* <sup>1</sup>	BYK-3750* <sup>1</sup> /BYK-3755* <sup>1</sup>
BYK-301	BYK-3751
BYK-302	BYK-3752
BYK-306* <sup>1</sup>	BYK-3761* <sup>1</sup> /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* <sup>1,2</sup>	BYK-3772
BYK-375* <sup>2</sup>	-
BYK-377	BYK-3771
BYK-378	BYK-3764
BYK-SILCLEAN 3701	-
BYK-SILCLEAN 3710	-
BYK-UV 3500	Technical alternative: BYK-UV 3505* <sup>2</sup>
BYK-UV 3510	BYK-UV 3511
BYK-UV 3575* <sup>2</sup>	-

G.01

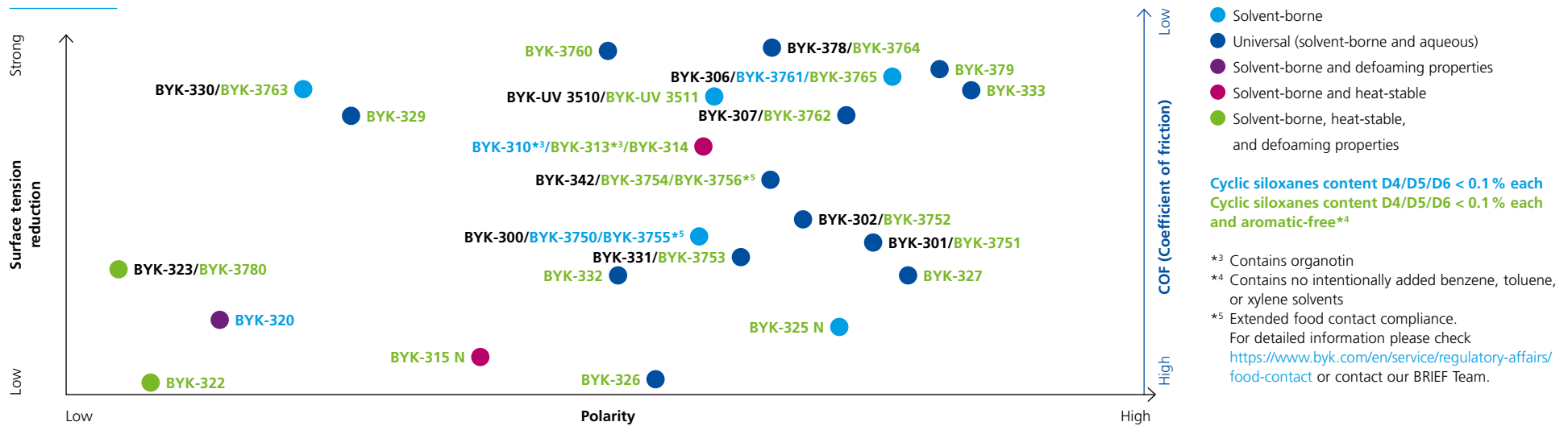
\*<sup>1</sup> Aromatic solvent (BTX)

\*<sup>2</sup> Contains organotin

T.01

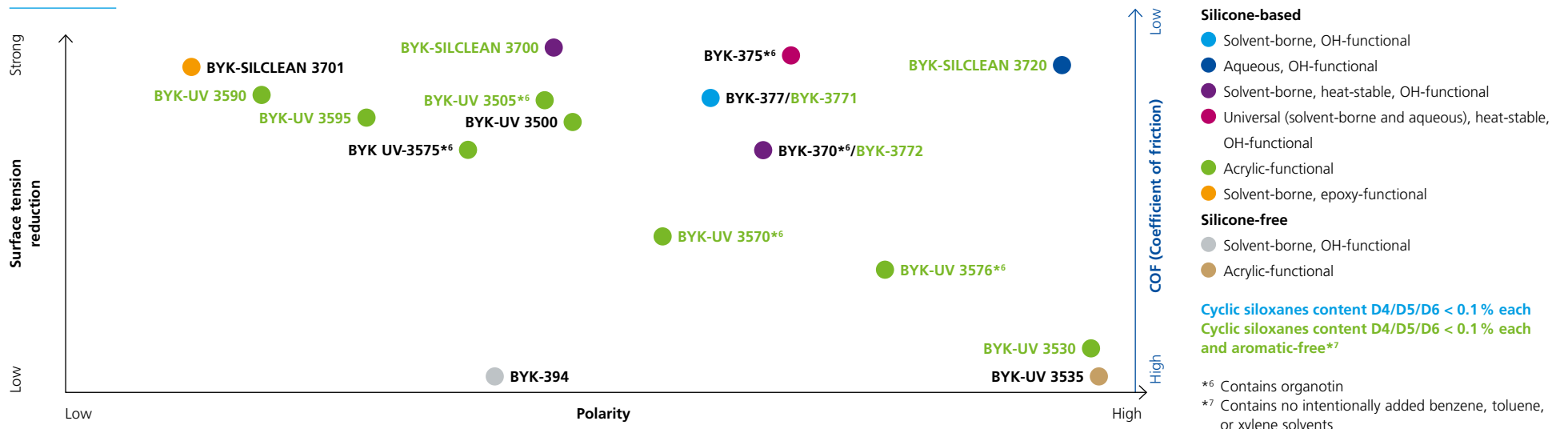


## Surface additives – Overview of non-reactive silicones



G.02

## Surface additives – Overview of reactive additives



G.03

**BYK-Chemie GmbH**  
 Abelstraße 45  
 46483 Wesel  
 Germany  
 Tel +49 281 670-0  
 Fax +49 281 65735

[info@byk.com](mailto:info@byk.com)  
[www.byk.com](http://www.byk.com)

ADD-MAX®, ADD-VANCE®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKO2BLOCK®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERPOL®, NANOBYK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, POLYAD®, PRIEX®, PURABYK®, PURE THIX®, RECYCLOBLEND®, RECYCLOBYK®, RECYCLOSSORB®, RECYCLOSTAB®, RHEOBYK®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® are registered trademarks of the BYK group.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions.

