

# BYK-9740

Silicone- and polymer-containing defoamer for water-based metalworking fluids with excellent spontaneous and long-term defoaming.

## Product data

### Composition

Emulsion of foam-destroying polymers and polysiloxanes

### Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	1.03 g/ml
Non-volatile matter (10 min, 150 °C):	63 %
Viscosity (20 °C):	500–2000 mPa·s

### Storage and transportation

Storage and transport between 0 and 40 °C. Stir before handling.

## Applications

### Lubricants and mold release

### Special features and benefits

BYK-9740 is a highly effective defoamer specifically developed for water-based metalworking fluids. It shows very good spontaneous as well as reliable long-term defoaming of the metalworking fluid emulsion. The compatibility in the metalworking fluid concentrate is good, but depending on the system, a slight turbidity may occur. However, this does not have a negative impact on the effectiveness. The additive shows no negative influence on the paintability.

### Recommended use

BYK-9740 is particularly suitable for metalworking fluids containing a certain amount of oil, such as water-soluble and semisynthetic metalworking fluids.

Water-based metalworking fluids:

Water-soluble	<input checked="" type="checkbox"/>
Semisynthetic (high to medium oil content)	<input checked="" type="checkbox"/>
Semisynthetic (low oil content)	<input type="checkbox"/>
Fully synthetic	<input type="checkbox"/>

☒ especially recommended ☐ recommended

**Recommended levels**

0.05–0.20 % additive (as supplied) based on the metalworking fluid concentrate.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

The defoamer can be easily incorporated into the metalworking fluid concentrate with low shear forces.



**Your local  
contact**

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

**info@byk.com**  
**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.