

**BYK-1709**

Product code: 000000000000156942

Version 2.2 SDS\_APJ\_MY

Revision Date 18.12.2025

Print Date 24.12.2025

**SECTION 1: Identification of the hazardous chemical and of the supplier****Product identifier**

Product name : BYK-1709

Recommended use : Defoamer

**Manufacturer or supplier's details**

Company : BYK-Chemie GmbH

Address : Abelstrasse 45  
46483 Wesel

Telephone : +49 281 670-23532

Telefax : +49 281 670-23533

E-mail address : GHS.BYK@altana.com

Emergency telephone : +60 3 6207 4347 (Malay and English)  
+65 3158 1074 (All languages)**SECTION 2: Hazards identification****Classification of the hazardous chemical**

Not a hazardous substance or mixture.

**Label elements**

Not a hazardous substance or mixture.

**Other hazards which do not result in classification**

None known.

**SECTION 3: Composition and information of the ingredients of the hazardous chemical**

Substance / Mixture : Mixture

Chemical nature : Solution of a polyether modified polydimethylsiloxane

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
(2-methoxymethylethoxy)propanol	34590-94-8	>= 30 -< 50

**SECTION 4: First aid measures**

General advice : Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.

If symptoms persist, call a physician.

In case of eye contact : Remove contact lenses.

Protect unharmed eye.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

**BYK-1709**

Product code: 00000000000156942

Version 2.2 SDS\_APJ\_MY

Revision Date 18.12.2025

Print Date 24.12.2025

Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : No information available.

**SECTION 5: Firefighting measures****Extinguishing media**

Suitable extinguishing media : Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

**Physicochemical hazards arising from the chemical**

Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.  
Will not explode on mechanical impact.

Hazardous combustion products : formaldehyde  
Carbon oxides  
silicone compounds

**Special protective equipment and precautions for fire-fighters**

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing methods : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SECTION 6: Accidental release measures**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and storage****Handling****Precautions for safe handling**

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the

**BYK-1709**

Product code: 000000000000156942

Version 2.2 SDS\_APJ\_MY

Revision Date 18.12.2025

Print Date 24.12.2025

application area.

**Storage**
**Conditions for safe storage, including any incompatibilities**

Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

**SECTION 8: Exposure controls and personal protection**
**Control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
(2-methoxymethylethoxy)propano l	34590-94-8	TWA	100 ppm 606 mg/m <sup>3</sup>	MY PEL
	Further information: Skin			
		TWA	50 ppm	ACGIH

**Individual protection measures, such as personal protective equipment (PPE)**

Eye/face protection : Safety glasses

Skin protection : Protective suit

Hand protection

Material : Nitrile rubber

Break through time : > 480 min

Remarks : Wear suitable gloves.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : General industrial hygiene practice.

**SECTION 9: Physical and chemical properties**

Appearance : liquid

Color : colorless

Odor : sweet

Odor Threshold : No data available

pH : 6 (20 °C)  
Concentration: 1 %  
Method: Universal pH-value indicator

Melting point/ range : < 0 °C

Initial boiling point : 184 °C

**BYK-1709**

Product code: 000000000000156942

Version 2.2 SDS\_APJ\_MY

Revision Date 18.12.2025

Print Date 24.12.2025

	Method: derived
Flash point	: 76 °C
	Method: 49 (Pensky-Martens)
Evaporation rate	: No data available
Flammability (liquids)	: Sustains combustion
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapor pressure	: < 1 hPa (20 °C) Method: derived
Relative vapor density	: No data available
Density	: 0.977 g/cm <sup>3</sup> (20 °C) Method: 4 (20°C oscillating U-tube)
Solubility(ies)	
Water solubility	: immiscible
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: > 200 °C Method: DIN 51794
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: 58 mPa.s ( 60 °C) Method: P/K 60°C
Viscosity, kinematic	: No data available

**SECTION 10: Stability and reactivity**

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	: No data available
Incompatible materials	: Strong oxidizing agents Alkalis Acids
Hazardous decomposition products	: No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information**

**BYK-1709**

Product code: 000000000000156942

Version 2.2 SDS\_APJ\_MY

Revision Date 18.12.2025

Print Date 24.12.2025

Information on likely routes of exposure : None known.

**Acute toxicity****Product:**

Acute oral toxicity : Remarks: No data available

**Skin corrosion/irritation****Product:**

Remarks : No data available

**Components:****(2-methoxymethylethoxy)propanol:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

**Serious eye damage/eye irritation****Components:****(2-methoxymethylethoxy)propanol:**

Result : No eye irritation

**Respiratory or skin sensitization****Product:**

Remarks : No data available

**Components:****(2-methoxymethylethoxy)propanol:**

Result : Does not cause skin sensitization.

**Germ cell mutagenicity****Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

**Carcinogenicity****Product:**

Remarks : No data available

**Reproductive toxicity****Product:**

**BYK-1709**

Product code: 00000000000156942

Version 2.2 SDS\_APJ\_MY

Revision Date 18.12.2025

Print Date 24.12.2025

Effects on fertility : Remarks: No data available

Effects on fetal development : Remarks: No data available

**STOT-single exposure****Product:**

Remarks : No data available

**STOT-repeated exposure****Product:**

Remarks : No data available

**Repeated dose toxicity****Product:**

Remarks : No data available

**Aspiration toxicity****Product:**

No data available

**Further information****Product:**

Remarks : No data available

---

**SECTION 12: Ecological information****Ecotoxicity****Product:**Toxicity to fish :  
Remarks: No data availableToxicity to daphnia and other :  
aquatic invertebrates Remarks: No data available**Persistence and degradability****Product:**

Biodegradability : Remarks: No data available

**Components:****(2-methoxymethylethoxy)propanol:**Biodegradability : aerobic  
Result: Readily biodegradable.

**BYK-1709**

Product code: 000000000000156942

Version 2.2 SDS\_APJ\_MY

Revision Date 18.12.2025

Print Date 24.12.2025

 Method: OECD Test Guideline 301F  
 GLP: yes

**Bioaccumulative potential**
**Product:**

Bioaccumulation : Remarks: No data available

**Components:**
**(2-methoxymethylethoxy)propanol:**

 Partition coefficient: n-  
 octanol/water : log Pow: 0.004  
 Method: OECD Test Guideline 107  
 GLP: yes

**Mobility in soil**

No data available

**Other adverse effects**
**Product:**

 Additional ecological  
 information : No data available

---

**SECTION 13: Disposal information**
**Disposal methods**

 Contaminated packaging : Empty containers should be taken to an approved waste  
 handling site for recycling or disposal.

---

**SECTION 14: Transport information**
**International Regulations**
**UNRTDG**

 UN number : Not applicable  
 Proper shipping name : Not applicable  
 Class : Not applicable  
 Subsidiary risk : Not applicable  
 Packing group : Not applicable  
 Labels : Not applicable

**IATA-DGR**

 UN/ID No. : Not applicable  
 Proper shipping name : Not applicable  
 Class : Not applicable  
 Subsidiary risk : Not applicable  
 Packing group : Not applicable  
 Labels : Not applicable  
 Packing instruction (cargo  
 aircraft) : Not applicable  
 Packing instruction  
 (passenger aircraft) : Not applicable

**BYK-1709**

Product code: 00000000000156942

Version 2.2 SDS\_APJ\_MY

Revision Date 18.12.2025

Print Date 24.12.2025

**IMDG-Code**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Special precautions for user**

Not applicable

**SECTION 15: Regulatory information****Safety, health, and environmental regulations specific for the hazardous chemical**

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

**SECTION 16: Other information**

Date format : dd.mm.yyyy

**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
MY PEL : Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

ACGIH / TWA : 8-hour, time-weighted average

MY PEL / TWA : Eight-hour time-weighted average airborne concentration

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test

**BYK-1709**

Product code: 000000000000156942

Version 2.2 SDS\_APJ\_MY

Revision Date 18.12.2025

Print Date 24.12.2025

population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

MY / EN