

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

SECTION 1. IDENTIFICATION

Product name : BYK-1745

Manufacturer or supplier's detailsCompany : BYK USA LLC
524 South Cherry Street
Wallingford CT 06492

Telephone : (203) 265-2086

Visit our web site : www.byk.comE-mail address : BRIEF.BYK.NAFTA@altana.comEmergency telephone : 203-265-2086; CHEMTREC 1-800-424-9300 / +1
number 703-527-3887**Recommended use of the chemical and restrictions on use**

Recommended use : Defoamer

Restrictions on use : Refer to Section 15 for any restrictions that may apply

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Mixture of hydrophobic solids and foam destroying polymers,
silicone free**Hazardous components**

Component	CAS-No.	Concentration (%)
Biobased oil	-	>= 30 - < 60
Silica, amorphous	7631-86-9	>= 1 - < 5

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.

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

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

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

Hazardous combustion products : Carbon oxides
Silicon oxides

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

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions : Prevent product from entering drains.

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

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

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

Materials to avoid : No materials to be especially mentioned.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type	Control	Basis
------------	---------	------------	---------	-------

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

		(Form of exposure)	parameters / Permissible concentration	
Biobased oil	-	TWA (mist - total)	10 mg/m ³	NIOSH REL
Biobased oil		TWA (mist - respirable)	5 mg/m ³	NIOSH REL
Silica, amorphous	7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
Silica, amorphous		TWA (Dust)	80 mg/m ³ / %SiO ₂ (Silica)	OSHA Z-3
Silica, amorphous		TWA	6 mg/m ³ (Silica)	NIOSH REL
Silica, amorphous		TWA (Respirable dust)	0.05 mg/m ³ (Silica)	NIOSH REL
Silica, amorphous		PEL (respirable)	0.05 mg/m ³	OSHA CARC

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Material : PVC disposable gloves
Break through time : > 120 min

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : suspension
Colour : yellow, cloudy
Odour : not significant
Odour Threshold : No data available

pH : 6, Concentration: 1 % (68 °F (20 °C)) Method: Universal pH-value indicator

Melting point/freezing point : < 32 °F (< 0 °C)
Method: derived

Initial boiling point : > 482 °F (> 250 °C)
Method: derived

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

Vapour pressure	:	1 hPa (68 °F (20 °C)) Method: derived
Flash point	:	> 302 °F (> 150 °C) Method: 49 (Pensky-Martens)
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Evaporation rate	:	No data available
Relative vapour density	:	No data available
Relative Density/Specific Gravity	:	No data available
Density	:	0.973 g/cm ³ (68 °F (20 °C)) Method: 4 deaerated (20°C oscillating U-tube)
Solubility(ies)	:	
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	> 392 °F (> 200 °C) Method: DIN 51794
Thermal decomposition	:	No data available
Viscosity	:	
Viscosity, dynamic	:	No data available
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	:	Acids and bases Strong oxidizing agents
Hazardous decomposition	:	No data available

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

products

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Acute toxicity****Product:**

Acute oral toxicity : Remarks: No data available

Components:**7631-86-9 Silica, amorphous:**

Acute oral toxicity : LD50 (Rat): > 10,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): 58.8 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: yes

Skin corrosion/irritation**Product:**

Remarks: No data available

Components:**7631-86-9 Silica, amorphous:**

Species: Rabbit

Result: No skin irritation

Serious eye damage/eye irritation**Product:**

Remarks: No data available

Components:**7631-86-9 Silica, amorphous:**

Species: Rabbit

Result: No eye irritation

Respiratory or skin sensitisation**Product:**

Remarks: No data available

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

Germ cell mutagenicity**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

Carcinogenicity**Product:**

Remarks: No data available

IARC

Group 1: Carcinogenic to humans

Silica, amorphous

7631-86-9

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

Known to be human carcinogen

Silica, amorphous

7631-86-9

Reproductive toxicity**Product:**

Effects on fertility : Remarks: No data available

Effects on foetal 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:**

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

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

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological : No data available
information**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Contaminated packaging : Empty containers should be taken to an approved waste

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

National Regulations**49 CFR**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****US. EPA CERCLA Hazardous Substances (40 CFR 302)**

This material does not contain any components with a CERCLA RQ.

SARA 304 - Emergency Release Notification

This material does not contain any components with a section 304 EHS RQ.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

This material does not contain any components with a SARA 302 RQ.

SARA 311/312 Hazards : Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CFR 60.489):

Polypropylene glycol	25322-69-4	25 %
----------------------	------------	------

Non-volatile (Wt) : 99.7 %
 Method: 22 (10min/150°C)
 DIN EN ISO 3251

99.6 %
 Method: 51 (60min/105°C/ 1g)
 DIN EN ISO 3251

Massachusetts Right To Know

Silica, amorphous	7631-86-9
-------------------	-----------

Pennsylvania Right To Know

Biobased oil	-
Polypropylene glycol	25322-69-4
Silica, amorphous	7631-86-9

New Jersey Right To Know

New Jersey Trade Secret Registry Number for the product (NJ TSRN) : 800963-6355

California Prop. 65

⚠ WARNING: This product can expose you to chemicals including Silica, amorphous, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

TSCA : We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720 30(h).

TSCA Inventory Active List : All components of this product are listed active and/or are exempt

DSL : We certify that all of the components of this product are listed on the DSL.

BYK-1745

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

SECTION 16. OTHER INFORMATION

Revision Date : 05/17/2026

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.