

BYK-MAX ASC 4181

Version 5

Revision Date 04/30/2020

Print Date 01/06/2026

SECTION 1. IDENTIFICATION

Product name : BYK-MAX ASC 4181

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 : Surface Additive

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

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Combustible dust :

GHS label elements

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air.

Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 100 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : Polyester

Hazardous components

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

If inhaled : Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.

In case of skin contact : Remove contaminated clothing. Wash thoroughly with soap and water.

In case of eye contact : Immediately flush with plenty of water for at least 20 minutes.

BYK-MAX ASC 4181

Version 5

Revision Date 04/30/2020

Print Date 01/06/2026

If swallowed	: Get medical aid. : Do not induce vomiting. Dilute with 1-2 glasses of water. Get medical aid. : Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	: No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	: No information available.
Specific hazards during firefighting	: Keep dust to a minimum to avoid potential formation of explosive air/dust mixture. Will not explode on mechanical impact. Cool closed containers exposed to fire with water spray.
Hazardous combustion products	: Carbon oxides Sulphur oxides
Further information	: Keep away from heat and sources of ignition. Keep away from oxidizing agents.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Wear protective equipment: goggles, chemically resistant clothing and gloves, and appropriate respirator if in a confined area.
Environmental precautions	: Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.
Methods and materials for containment and cleaning up	: Wet sweep or vacuum spill. Use approved industrial vacuum cleaner for removal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Avoid contact with skin and eyes. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Keep container closed when not in use. Handle as an industrial chemical.
-------------------------	---

BYK-MAX ASC 4181

Version 5

Revision Date 04/30/2020

Print Date 01/06/2026

Conditions for safe storage : Keep in a dry, cool and well-ventilated place.
 Materials to avoid : Keep away from oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Use with local exhaust ventilation.

Personal protective equipment

Respiratory protection : If large quantities of dust are generated, wear a properly fitted (NIOSH) dust respirator/mask during exposure.

Hand protection

Material : Impervious gloves

Eye protection : Safety glasses with side-shields

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

Clean long legged, long sleeved work clothes.

If splashing is possible, wear chemically resistant protective clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: pellets
Colour	: white, colourless
Odour	: very faint, characteristic
Odour Threshold	: No data available
pH	: Not applicable
Melting point/range	: 144 °F (62 °C) Method: Melting point DSC
Initial boiling point	: > 320 °F (> 160 °C) (1013.000 hPa) Method: derived
Vapour pressure	: Not applicable
Flash point	: > 212 °F (> 100 °C) Method: 49 (Pensky-Martens)
Upper explosion limit	: No data available
Lower explosion limit	: No data available

BYK-MAX ASC 4181

Version 5

Revision Date 04/30/2020

Print Date 01/06/2026

Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form combustible dust concentrations in air.
Relative vapour density	:	No data available
Relative Density/Specific Gravity	:	No data available
Density	:	0.91 g/cm ³ (176 °F (80 °C)) Method: 6 (80°C coating pycnometer)
Bulk density	:	0.563 kg/m ³ Method: 34 (bulk density)
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)
Thermal decomposition	:	No data available
Viscosity	:	
Viscosity, dynamic	:	36 mPa.s (176 °F (80 °C)) Method: P/K 80°C

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable; polymerization will not occur
Possibility of hazardous reactions	:	Dust can form an explosive mixture in air.
Conditions to avoid	:	Excessive dusting may cause potentially explosive air/dust mix.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	No data available

BYK-MAX ASC 4181

Version 5

Revision Date 04/30/2020

Print Date 01/06/2026

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation
Ingestion
Eyes
Skin contact

Acute toxicity**Product:**

Acute oral toxicity : Remarks: No data available

Skin corrosion/irritation**Product:**

Remarks: No data available

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

Remarks: No data available

Respiratory or skin sensitisation**Product:**

Remarks: No data available

Carcinogenicity**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA

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

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

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen

BYK-MAX ASC 4181

Version 5

Revision Date 04/30/2020

Print Date 01/06/2026

by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Repeated dose toxicity
Product:

Remarks: No known chronic health effects.

Experience with human exposure
Product:

Inhalation:

Symptoms: Dust particles may cause irritation of the respiratory tract.

Skin contact:

Symptoms: Contact may cause irritation.

Eye contact:

Symptoms: Contact may cause irritation.

Ingestion:

Symptoms: Ingestion will probably cause irritation of the digestive tract.

SECTION 12. ECOLOGICAL INFORMATION
Ecotoxicity
Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other :
aquatic invertebrates Remarks: No data available

Persistence and degradability
Product:

Biodegradability : Remarks: No data available

BYK-MAX ASC 4181

Version 5

Revision Date 04/30/2020

Print Date 01/06/2026

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available

Mobility in soil

No data available

Other adverse effects**Product:**

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Additional ecological information : Not available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

EPA Hazardous Waste Code(s) : Not applicable.

Waste from residues : Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

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

Container sizes: 55 gallon drums, 5 or 6-gallon pails, 2oz/16oz samples

SECTION 15. REGULATORY INFORMATION

BYK-MAX ASC 4181

Version 5

Revision Date 04/30/2020

Print Date 01/06/2026

EPCRA - Emergency Planning and Community Right-to-Know Act

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.

Non-volatile (Wt) : 99 %
Method: 23 (20min/150°C)
DIN EN ISO 3251

Non-volatile information is not a specification.

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Polyester Not Assigned

New Jersey Right To Know

Polyester Not Assigned

New Jersey Trade Secret Registry Number for the product (NJ TSRN) : 800963-5511

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

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

BYK-MAX ASC 4181

Version 5

Revision Date 04/30/2020

Print Date 01/06/2026

exempt

Section 4 / 12(b)

Not applicable

DSL

: The following component(s) is/are not listed on the DSL:

CEPA Category

: Polymer

Weight percent

: 100 %

NSN Filed

: None

Max. NSN Required

: Schedule 10

SECTION 16. OTHER INFORMATION

Revision Date : 04/30/2020

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.