

**BYK-MAX HS 4342**

Version 2

Revision Date 06/30/2022

Print Date 01/06/2026

**SECTION 1. IDENTIFICATION**

Product name : BYK-MAX HS 4342

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

Telephone : (203) 265-2086

Visit our web site : [www.byk.com](http://www.byk.com)E-mail address : [BRIEF.BYK.NAFTA@altana.com](mailto:BRIEF.BYK.NAFTA@altana.com)Emergency 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 : Long-term stabilization

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**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

Chemical nature : Additive formulation

**Hazardous components**

Component	CAS-No.	Concentration (%)
Carbon Black	1333-86-4	>= 5 - < 10

The specific chemical identity/weight percent of proprietary ingredient(s) is a trade secret

**SECTION 4. FIRST AID MEASURES**

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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 skin contact	: If on skin, rinse well with water. If on clothes, remove clothes. Wash clothing before reuse.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. 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.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Sand Foam Carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media	: High volume water jet
Hazardous combustion products	: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
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	: Avoid dust formation.
Environmental precautions	: Try to prevent the material from entering drains or water courses.  Prevent further leakage or spillage if safe to do so.
Methods and materials for containment and cleaning up	: Keep in suitable, closed containers for disposal.

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**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.  
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Electrical installations / working materials must comply with the technological safety standards.

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Carbon Black	1333-86-4	TWA	3.5 mg/m <sup>3</sup>	OSHA Z-1
Carbon Black		TWA	3.5 mg/m <sup>3</sup>	OSHA P0
Carbon Black		TWA (Inhalable fraction)	3 mg/m <sup>3</sup>	ACGIH

**Engineering measures** : Use with adequate ventilation.

**Personal protective equipment**
**Hand protection**

- Material : Nitrile rubber  
Break through time : > 480 min

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

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

Hygiene measures : Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : granular  
Colour : black  
Odour : characteristic  
Odour Threshold : No data available

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pH	:	7, Concentration: 1 % (68 °F (20 °C))
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Vapour pressure	:	No data available
Flash point	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
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	:	1.0 g/cm <sup>3</sup> (68 °F (20 °C))
Bulk density	:	450 - 580 kg/m <sup>3</sup> Method: 34 (bulk density)
Solubility(ies)		
Water solubility	:	partly soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable

**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	:	Dust may form explosive mixture in air.

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No decomposition if stored and applied as directed.

Conditions to avoid : No data available  
Incompatible materials : None known.  
Hazardous decomposition products : No decomposition if stored and applied as directed.

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

Acute oral toxicity : Remarks: No data available

**Components:****1333-86-4 Carbon Black:**

Acute oral toxicity : LD50 (Rat): &gt; 8,000 mg/kg

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

Remarks: No data available

**Components:****1333-86-4 Carbon Black:**

Species: Rabbit

Result: No skin irritation

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

Remarks: No data available

**Components:****1333-86-4 Carbon Black:**

Species: Rabbit

Result: No eye irritation

**Respiratory or skin sensitisation****Product:**

Remarks: No data available

**Carcinogenicity**

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**IARC**

Group 2B: Possibly carcinogenic to humans

Carbon Black

1333-86-4

**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**

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 data available

**Components:****1333-86-4 Carbon Black:**

Species: Rat

NOAEL: 0.0011 mg/l

Application Route: Inhalation

Target Organs: Lungs

Species: Rat

Application Route: Inhalation

Target Organs: Lungs

**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

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**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 information : No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

EPA Hazardous Waste Code(s) : Not applicable.

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.**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**

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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)**

Calculated RQ exceeds reasonably attainable upper limit.

**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**

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).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

**Massachusetts Right To Know**

Carbon Black	1333-86-4
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**Pennsylvania Right To Know**

Polypropylene	-
Antioxidant	-

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Carbon Black	1333-86-4
Antioxidant	-
Methanol	67-56-1
Maleic anhydride	108-31-6

**New Jersey Right To Know**

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : 800963-5281

**California Prop. 65**

**⚠ WARNING:** This product can expose you to chemicals including Carbon Black, which is/are known to the State of California to cause cancer, and Methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://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.

**SECTION 16. OTHER INFORMATION**

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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.