

**BYK-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

**SECTION 1. IDENTIFICATION**

Product name : BYK-SYNERGIST 2105

**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 : Additive for paints and plastics

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 : Substance

Chemical nature : Insoluble pigment complex

**Hazardous components**

No hazardous ingredients

**SECTION 4. FIRST AID MEASURES**

General advice : Do not leave the victim unattended.

If inhaled : Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.  
If unconscious, place in recovery position and seek medical

**BYK-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

In case of skin contact	: advice. If symptoms persist, call a physician. 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. Get medical aid. 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	: Do not induce vomiting. Dilute with 1-2 glasses of water. Get medical aid. Never give anything by mouth to an unconscious person. 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.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical Foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
Unsuitable extinguishing media	: No information available.
Specific hazards during firefighting	: High volume water jet Handle as an industrial chemical. Keep dust to a minimum to avoid potential formation of explosive air/dust mixture. Cool closed containers exposed to fire with water spray. Will not explode on mechanical impact. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: Carbon oxides Nitrogen oxides (NO <sub>x</sub> ) chlorinated compounds
Further information	: Keep away from heat and sources of ignition. Keep away from oxidizing agents. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment	: In the event of fire, wear self-contained breathing apparatus.

## BYK-SYNERGIST 2105

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear protective equipment: safety glasses, gloves and dust mask or appropriate respirator.
- : Avoid dust formation.
- Environmental precautions : Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.
- Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).
- Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid contact with skin and eyes.  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Handle as an industrial chemical.  
Keep container tightly closed.  
Provide for appropriate exhaust ventilation and dust collection at machinery.  
Minimize dust generation and accumulation.  
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.  
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 in a dry, cool and well-ventilated place.  
Keep product and empty container away from heat and sources of ignition.  
Take measures to prevent the build up of electrostatic charge.  
Keep container tightly closed in a dry and well-ventilated place.  
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Keep away from oxidizing agents.

**BYK-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

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

Contains no substances with occupational exposure limit values.

**Further occupational exposure limits**

Description	Value type	Control parameters	Basis
inert or nuisance dust	TWA	50Million particles per cubic foot total dust	OSHA Z-3
	TWA	15 mg/m3 total dust	OSHA Z-3
	TWA	5 mg/m3 respirable fraction	OSHA Z-3
	TWA	15Million particles per cubic foot respirable fraction	OSHA Z-3

**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 : Protective gloves

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

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

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

Hygiene measures : Clean long legged, long sleeved work clothes.  
Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : powder  
Colour : yellow  
Odour : slight

**BYK-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

Odour Threshold	: No data available
pH	: 7, Concentration: 1 % (68 °F (20 °C)) Method: Universal pH-value indicator
Melting point/freezing point	: 311.00 °F (155.00 °C)
Initial boiling point and boiling range	: No data available
Vapour pressure	: < 1.0000000 hPa (68.00 °F (20.00 °C)) Method: calculated
Flash point	: > 212.00 °F (> 100.00 °C) Method: 49 (Pensky-Martens)
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	: 1.1100 g/cm <sup>3</sup> (68.00 °F (20.00 °C)) Method: 4 (20°C oscillating U-tube)
Bulk density	: Not applicable
Solubility(ies)	
Water solubility	: immiscible
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	: No data available
Viscosity, kinematic	: No data available

**BYK-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: Not classified as a reactivity hazard. No decomposition if stored and applied as directed.
Chemical stability	: Stable; polymerization will not occur No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Dust can form an explosive mixture in air.  No decomposition if stored and applied as directed.  Dust may form explosive mixture in air.
Conditions to avoid	: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. No data available
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: None expected

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

Skin contact  
Skin Absorption  
Inhalation  
Eyes  
Ingestion

**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

**BYK-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

**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.

**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 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 may irritate the digestive tract.

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

Remarks: No data available

Remarks: No data available

**BYK-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

**SECTION 12. ECOLOGICAL INFORMATION**
**Ecotoxicity**
**Product:**

Toxicity to fish :  
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**
**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.

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 : There is no data available for this product.  
No data 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.

**BYK-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

Contaminated packaging : 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.  
: 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**

Not regulated as a dangerous good

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

**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.

**BYK-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

**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**

3,3'-dichlorobenzidine	91-94-1
Polychlorinated Biphenyls	1336-36-3

**Pennsylvania Right To Know**

Proprietary Pigment Yellow	-
----------------------------	---

**New Jersey Right To Know**

Proprietary Pigment Yellow	-
----------------------------	---

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : 800963-5459

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including 3,3'-dichlorobenzidine, Polychlorinated Biphenyls, which is/are known to the State of California to cause cancer. 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).

**Section 4 / 12(b)** : Not applicable

**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-SYNERGIST 2105**

Version 6

Revision Date 05/12/2022

Print Date 01/06/2026

**SECTION 16. OTHER INFORMATION**

Revision Date : 05/12/2022

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.