

**BYK-C 8001**

Version 5

Revision Date 05/17/2026

Print Date 06/18/2026

**SECTION 1. IDENTIFICATION**

Product name : BYK-C 8001

**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 to Improve Mechanical Properties

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

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Flammable liquids : Category 4

Skin irritation : Category 2

Serious eye damage : Category 1

Specific target organ toxicity : Category 1 (Eyes, Central nervous system)  
- single exposure**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H370 Causes damage to organs (Eyes, Central nervous system).Precautionary statements : **Prevention:**  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
No smoking.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

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P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves/ eye protection/ face protection.

**Response:**  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
 P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

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

Substance / Mixture : Mixture  
 Chemical nature : Copolymer with surface active groups

**Hazardous components**

| Component                           | CAS-No.    | Concentration (%) |
|-------------------------------------|------------|-------------------|
| 1-Propanamine, 3-(trimethoxysilyl)- | 13822-56-5 | >= 60 - < 80      |
| Methanol                            | 67-56-1    | >= 1 - < 5        |

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
 Consult a physician.  
 Show this safety data sheet to the doctor in attendance.  
 Do not leave the victim unattended.

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

In case of skin contact : If symptoms persist, call a physician.  
 If skin irritation persists, call a physician.

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|   |   |
|---|---|
| In case of eye contact                                      | : If on skin, rinse well with water.<br>If on clothes, remove clothes.<br>: Small amounts splashed into eyes can cause irreversible tissue damage and blindness.<br>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>Continue rinsing eyes during transport to hospital.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist. |
| If swallowed  | : Keep respiratory tract clear.<br>Do NOT induce vomiting.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital.  |
| Most important symptoms and effects, both acute and delayed | : No information available.   |

**SECTION 5. FIREFIGHTING MEASURES**

|   |   |
|---|---|
| Suitable extinguishing media                  | : Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical   |
| Unsuitable extinguishing media                | : High volume water jet   |
| Specific hazards during firefighting          | : Handle as an industrial chemical.<br>Will not explode on mechanical impact.<br>Cool closed containers exposed to fire with water spray.<br><br>Do not allow run-off from fire fighting to enter drains or water courses.  |
| Hazardous combustion products                 | : Nitrogen oxides (NO <sub>x</sub> )<br>Carbon oxides<br>silicone compounds<br>formaldehyde   |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>For safety reasons in case of fire, cans should be stored separately in closed containments.<br>Use a water spray to cool fully closed containers. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.  |

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Neutralise with acid.  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : No smoking.  
Keep in a well-ventilated place.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Keep away from oxidizing agents.  
Keep away from strong acids.  
Keep away from strong bases.

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

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis    |
|------------|---------|-------------------------------|--|----------|
| Methanol   | 67-56-1 | TWA                           | 200 ppm  | ACGIH    |
| Methanol   |         | STEL                          | 250 ppm  | ACGIH    |
| Methanol   |         | TWA                           | 200 ppm<br>260 mg/m <sup>3</sup>               | OSHA Z-1 |

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|          |  |      |                                  |         |
|----------|--|------|----------------------------------|---------|
| Methanol |  | TWA  | 200 ppm<br>260 mg/m <sup>3</sup> | OSHA P0 |
| Methanol |  | STEL | 250 ppm<br>325 mg/m <sup>3</sup> | OSHA P0 |

Hazardous components without workplace control parameters

**Engineering measures** : Use with local exhaust ventilation.

**Personal protective equipment**
**Respiratory protection** : Unless air monitoring demonstrates vapor/mist/dust levels are below the PEL/TLV wear a properly fitted respirator (NIOSH approved) or dust mask during exposure.

**Hand protection**
**Material** : Nitrile rubber

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

**Eye protection**

: Goggles  
Safety glasses with side-shields  
Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection**

: Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Impervious clothing  
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.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**
**Physical state** : liquid

**Colour** : yellow

**Odour** : characteristic

**Odour Threshold** : No data available

**pH** : 10.6, Concentration: 1 % (68 °F (20 °C)) Method: DIN 19268 (1% in water)

**Melting point/ range** : < -76 °F (< -60 °C)

**Initial boiling point** : 381 °F (194 °C)

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|  |  |
|--|--|
|  | (1,013 hPa)  |
| Vapour pressure                        | : ca. 0.55 hPa (68 °F (20 °C))   |
| Flash point                            | : 194 °F (90 °C)<br>Method: DIN 51758  |
| Upper explosion limit                  | : No data available  |
| Lower explosion limit                  | : No data available  |
| Evaporation rate                       | : No data available  |
| Flammability (solid, gas)              | : No data available  |
| Relative vapour density                | : No data available  |
| Relative Density/Specific Gravity      | : No data available  |
| Density                                | : 1.035 g/cm <sup>3</sup> (68 °F (20 °C))<br>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                   | : > 392 °F (> 200 °C)<br>Method: DIN 51 794/ DIN prEN 14 522                     |
| Thermal decomposition                  | : No data available  |
| Viscosity                              |  |
| Viscosity, dynamic                     | : 34 mPa.s (68 °F (20 °C))<br>Method: P/K 20°C                                   |

**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 | : No decomposition if stored and applied as directed. |

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Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.  
Incompatible materials : Strong oxidizing agents  
Acids  
Bases  
Water  
Hazardous decomposition products : Methanol

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

Inhalation  
Ingestion  
Eyes  
Skin Absorption  
Skin contact

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

Acute oral toxicity : Acute toxicity estimate : 3,360 mg/kg  
Method: Calculation method

Acute toxicity estimate : 3,360 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 100.81 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:****67-56-1 Methanol:**

Acute oral toxicity : LD50 (Rat): 5,628 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 20,000 mg/kg

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

Remarks: Extremely corrosive and destructive to tissue.

**Components:**

**13822-56-5 1-Propanamine, 3-(trimethoxysilyl)-:**

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Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Skin irritation  
GLP: yes

**67-56-1 Methanol:**

Species: Rabbit  
Result: Moderate skin irritation

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

Remarks: May cause irreversible eye damage.

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

**Components:****13822-56-5 1-Propanamine, 3-(trimethoxysilyl)-:**

Species: Rabbit  
Result: Risk of serious damage to eyes.  
Method: OECD Test Guideline 405  
GLP: yes

**67-56-1 Methanol:**

Species: Rabbit  
Result: Eye irritation

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

Remarks: No data available

**Components:****13822-56-5 1-Propanamine, 3-(trimethoxysilyl)-:**

Test Type: Maximisation Test  
Exposure routes: Dermal  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.  
GLP: yes

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

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

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**Carcinogenicity****Product:**

Remarks: No data available

**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.

**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: Absorption of Methanol by inhalation and/or repeated skin contact has been known to cause damage to the liver, kidney, blood and/or bone marrow.

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

No data available

**Experience with human exposure****Product:**

Inhalation:

Symptoms:

High concentrations are irritating to the

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respiratory tract. Has caused headaches, dizziness, nausea, vomiting and CNS depression (drowsiness, loss of coordination and fatigue).

Skin contact:

Symptoms:

Contact will probably cause irritation.

Eye contact:

Symptoms:

Contact will probably cause severe irritation and corrosion.

Ingestion:

Symptoms:

Ingestion will probably irritate the digestive tract; high dosages may cause CNS depression.

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

Remarks: If absorbed, ingested, or inhaled, Methanol can cause metabolic acidosis, blurred vision and blindness (temporary or permanent). In extreme ingestion cases, Methanol has caused death. Methanol may cause dermatitis by skin contact. ACGIH TLV-TWA for methanol = 200 ppm (skin)

Remarks: No data available

**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

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

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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

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.  
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.  
Do not burn, or use a cutting torch on, the empty drum.

**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.

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**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.

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

**SARA 313** : This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

|          |         |       |
|----------|---------|-------|
| Methanol | 67-56-1 | 2.9 % |
|----------|---------|-------|

**Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

|          |         |       |
|----------|---------|-------|
| Methanol | 67-56-1 | 2.9 % |
|----------|---------|-------|

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 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

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Methanol 67-56-1 2.9 %

Non-volatile (Wt) : Method: Not available

**Massachusetts Right To Know**

Methanol 67-56-1

**Pennsylvania Right To Know**

1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5  
 Copolymer -  
 Methanol 67-56-1

**New Jersey Right To Know**

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : 800963-5027

**California Prop. 65**

**⚠ WARNING:** This product can expose you to chemicals including 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 : All substances listed as active on the TSCA inventory

Section 5a : No substances are subject to a Significant New Use Rule.

Section 4 / 12(b) : No substances are subject to TSCA 12(b) export notification requirements.

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

CEPA Category : Polymer

Weight percent : 21 %

NSN Filed : None

Max. NSN Required : Schedule 10

**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.