

**BYK-022**

Version 9

Revision Date 05/11/2022

Print Date 01/12/2024

**SECTION 1. IDENTIFICATION**

Product name : BYK-022

**Manufacturer or supplier's details**

Company : BYK USA Inc.  
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 : 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 : Compound of modified polysiloxanes, polyether and hydrophobic particles

**Hazardous components**

No hazardous ingredients

**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.

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

In case of eye contact : Remove contact lenses.  
Protect unharmed eye.

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If swallowed	: If eye irritation persists, consult a specialist. : 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. : No information available.
Notes to physician	: No information available.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Foam : Carbon dioxide (CO2) : Dry chemical : Foam : Carbon dioxide (CO2) : Dry chemical
Unsuitable extinguishing media	: High volume water jet : High volume water jet
Specific hazards during firefighting	: Cool closed containers exposed to fire with water spray. : Will not explode on mechanical impact.
Hazardous combustion products	: Carbon oxides : Nitrogen oxides (NOx) : silicone compounds : formaldehyde
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 further leakage or spillage if safe to do so.
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.
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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**

Contains no substances with occupational exposure limit values.

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

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection  
Material : Impervious gloves

Eye protection : Safety glasses

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

Hygiene measures : General industrial hygiene practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : gray - light yellow, cloudy

Odour : not significant

Odour Threshold : No data available

pH : 7, Concentration: 1 % (68 °F (20 °C)) Method: Universal pH-value indicator

Melting point/range : No data available

Initial boiling point : No data available

Vapour pressure : < 1 hPa (68.00 °F (20.00 °C))  
Method: derived

Flash point : > 212.00 °F (> 100.00 °C)  
Method: 49 (Pensky-Martens)

> 212 °F (> 100 °C)  
Method: 49 (Pensky-Martens)

Upper explosion limit : No data available

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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	: 0.9950 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	: 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
Surface tension	: 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 Strong oxidizing agents
Hazardous decomposition products	: No data available

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

Inhalation

Ingestion

Eyes

Skin contact

Skin Absorption

**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

**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**

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.

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**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: No known chronic health effects.

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

No data available

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

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

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

Bioaccumulation : Remarks: No data available

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**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.

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

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

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**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 I Intermediate or Final VOC's (40 CFR 60.489).

**Non-volatile (Wt)** : 97 - 100 %  
Method: 51 (60min/105°C/ 1g)  
DIN EN ISO 3251  
Non-volatile information is not a specification.

**Massachusetts Right To Know**



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1,4-Dioxane	123-91-1
Ethylene oxide	75-21-8

**Pennsylvania Right To Know**


Polymer	-
Polysiloxanes	-
Castor oil derivative	-
Organo zinc compound	-

**New Jersey Right To Know**

Polymer	-
Polysiloxanes	-
Castor oil derivative	-

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : 800963-5021

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including 1,4-Dioxane, Ethylene oxide, Ethyl benzene, Propylene oxide, Cumene, Acetaldehyde, Formaldehyde, Benzene, which is/are known to the State of California to cause cancer, and Ethylene oxide, Toluene, Methanol, Chloromethane, Benzene, 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.