

**DISPERBYK-103**

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

**SECTION 1. IDENTIFICATION**

Product name : DISPERBYK-103

**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  
703-527-3887**Recommended use of the chemical and restrictions on use**

Recommended use : Wetting &amp; Dispersing Additive

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

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

Flammable liquids : Category 3

Serious eye damage : Category 1

Specific target organ toxicity : Category 3 (Central nervous system)  
- single exposure**GHS label elements**

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H226 Flammable liquid and vapor.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.Precautionary Statements : **Prevention:**  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/  
equipment.  
P242 Use only non-sparking tools.

## DISPERBYK-103

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

P243 Take precautionary measures against static discharge.  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

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.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

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 : solution of polyester phosphoric acid ester salt

**Hazardous ingredients**

HMIRA# 6247 Exemption Granted 07.04.2008

Component	CAS-No.	Concentration (%)
1-Methoxy-2-propanol acetate	108-65-6	>= 30 - < 60
Polyphosphoric acids, reaction products with 2-oxepanone and polyethylene glycol monomethyl ether	162627-21-6	>= 5 - < 10

### SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
 Consult a physician.  
 Show this material safety data sheet to the doctor in attendance.

## DISPERBYK-103

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

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

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	<p>: Alcohol-resistant foam Carbon dioxide (CO<sub>2</sub>) Dry chemical</p>
Unsuitable extinguishing media	<p>: High volume water jet</p>
Specific hazards during fire fighting	<p>: Do not allow run-off from fire fighting to enter drains or water courses.</p>
Further information	<p>: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.</p>
Special protective equipment for fire-fighters	<p>: Wear self-contained breathing apparatus for firefighting if necessary.</p>

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	<p>: Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas.</p>
---	---

## DISPERBYK-103

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

- Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- 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 : 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).

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. 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 : Avoid exposure to excessive heat, light, and air for prolonged periods of time. 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. Store in original container. No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. 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 metals.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

## DISPERBYK-103

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1-Methoxy-2-propanol acetate	108-65-6	TWA	50 ppm	US WEEL

Hazardous components without workplace control parameters

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

**Personal protective equipment**

Respiratory protection : Unless air monitoring demonstrates dusts/mists/vapors are below the recommended exposure levels and/or WEEL, wear a properly fitted respirator (NIOSH) or dust mask during exposure.  
In the case of vapor formation use a respirator with an approved filter.

Hand protection

Material : Nitrile rubber

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  
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

: Clean long legged, long sleeved work clothes.  
Handle in accordance with good industrial hygiene and safety practice.  
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

Appearance : liquid  
Color : light yellow  
Odor : ester-like  
Odor Threshold : No data available

pH : 6, Concentration: 10 % (68 °F (20 °C)) Method: Universal pH-value indicator

Melting point/ range : < 32 °F (< 0 °C)

**DISPERBYK-103**

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

	Method: derived
Initial boiling point	: 294.80 °F (146.00 °C) Method: derived
Vapor pressure	: 3.0000000 hPa (68.00 °F (20.00 °C)) Method: derived
Flash point	: 116.60 °F (47.00 °C) Method: 48 (Abel-Pensky) DIN 51755
Upper explosion limit	: 7.00 %(V)
Lower explosion limit	: 1.50 %(V)
Evaporation rate	: No data available
Relative vapor density	: No data available
Relative Density/Specific Gravity	: No data available
Density	: 1.0600 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	: completely miscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: > 392.00 °F (> 200.00 °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**

**DISPERBYK-103**

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: 1-Methoxy-2-propanol acetate may form peroxides of unknown stability. Vapors may form explosive mixture with air. Gives off hydrogen by reaction with metals.  No decomposition if stored and applied as directed.  Vapors may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents Metals
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 : LD50 (Rat): > 6,000.000000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: active ingredient  
  
Remarks: No data available

**Components:****108-65-6 1-Methoxy-2-propanol acetate:**

Acute oral toxicity : LD50 (Rat, female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : LC50 (Rat): > 100 ppm  
Exposure time: 4 h

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

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

Remarks: No data available

**DISPERBYK-103**

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

Remarks: Extremely corrosive and destructive to tissue.

**Components:****108-65-6 1-Methoxy-2-propanol acetate:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

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

Remarks: May cause irreversible eye damage.

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

**Components:****108-65-6 1-Methoxy-2-propanol acetate:**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

**Respiratory or skin sensitization****Product:**

Remarks: No data available

**Components:****108-65-6 1-Methoxy-2-propanol acetate:**

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Not a skin sensitizer.

GLP: yes

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

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

**Carcinogenicity****Product:**

Remarks: No data available

**DISPERBYK-103**

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

**IARC**

No ingredient 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 ingredient 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 fetal 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: Solvent absorption by inhalation and/or repeated skin contact may cause injury to liver, kidney and respiratory system.

Animal studies show that 1-Methoxy-2-propanol acetate has caused damage to the respiratory system.

Studies suggest that 2-Methoxy-1-propanol acetate is teratogenic in animals. There is also evidence of fetotoxicity.

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

No data available

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

Inhalation:

Symptoms:

High concentrations of vapors may be irritating to the respiratory tract. May cause headaches, dizziness, nausea and vomiting.

**DISPERBYK-103**

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

		May cause 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 may irritate the digestive tract; high dosages may cause CNS depression.

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

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

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

Toxicity to fish : Remarks: No data available

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

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available

**Persistence and degradability**
**Product:**

Biodegradability : Remarks: No data available

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

Bioaccumulation : Remarks: No data available

## DISPERBYK-103

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

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

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

EPA Hazardous Waste Code(s) : D001: Ignitable

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

UN/ID No. : UN 3272  
 Proper shipping name : Esters, n.o.s.  
 (1-Methoxy-2-propanol acetate)  
 Class : 3  
 Packing group : III  
 Labels : Flammable Liquids  
 Packing instruction (cargo aircraft) : 366  
 Packing instruction : 355

**DISPERBYK-103**

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

(passenger aircraft)

**IMDG-Code**

UN number : UN 3272  
Proper shipping name : ESTERS, N.O.S.  
(1-Methoxy-2-propanol acetate)  
: )  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-D  
Marine pollutant : no  
Remarks : IMDG Code segregation group - none

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****49 CFR**

UN/ID/NA number : UN 3272  
Proper shipping name : Esters, n.o.s.  
(1-Methoxy-2-propanol acetate)  
Class : 3  
Packing group : III  
Labels : FLAMMABLE LIQUID  
ERG Code : 127  
Marine pollutant : no  
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****US. EPA CERCLA Hazardous Substances (40 CFR 302)**

Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 - Emergency Release Notification**

Calculated RQ exceeds reasonably attainable upper limit.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

Calculated RQ exceeds reasonably attainable upper limit.

**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

**DISPERBYK-103**

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

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).

Non-volatile (Wt) : 38 - 42 %  
Method: 22 (10min/150°C)  
DIN EN ISO 3251  
Non-volatile information is not a specification.

**Massachusetts Right To Know**

Sulfuric acid 7664-93-9

**Pennsylvania Right To Know**

1-Methoxy-2-propanol acetate 108-65-6  
Polyester -  
Polyphosphoric acids, reaction products 162627-21-6  
with 2-oxepanone and polyethylene glycol  
monomethyl ether

**New Jersey Right To Know**

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : 800963-5106

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including Sulfuric acid, which is/are known to the State of California to cause cancer, and , 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 ingredients of this product are reported in the following inventories:**

TSCA : All substances listed as active on the TSCA inventory

**DISPERBYK-103**

Version 9

Revision Date 10/17/2025

Print Date 04/23/2026

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 : 35.00 %  
NSN Filed : Schedule 9  
Max. NSN Required : Schedule 10

**SECTION 16. OTHER INFORMATION**

Revision Date : 10/17/2025

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.