

**DISPERBYK-2158**

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

**SECTION 1. IDENTIFICATION**

Product name : DISPERBYK-2158

**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 : Wetting &amp; Dispersing Additive

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

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

Skin irritation : Category 2

Serious eye damage : Category 1

Skin sensitisation : Category 1

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
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

## DISPERBYK-2158

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

**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 modified polyalkylene imine

**Hazardous components**

| Component                                | CAS-No.    | Concentration (%) |
|--|------------|-------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate | 57472-68-1 | >= 30 - < 60      |

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

### 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.  
If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.

In case of eye contact : 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.

If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.

## DISPERBYK-2158

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

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.

Most important symptoms and effects, both acute and delayed : No information available.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam  
 Carbon dioxide (CO<sub>2</sub>)  
 Dry chemical

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.  
 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>)  
 Sulphur oxides

Further information : 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.

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 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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
 Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not breathe vapours/dust.  
 Avoid contact with skin and eyes.

## DISPERBYK-2158

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

|                             |  |
|-----------------------------|--|
|                             | <p>For personal protection see section 8.<br/>Smoking, eating and drinking should be prohibited in the application area.<br/>To avoid spills during handling keep bottle on a metal tray.<br/>Dispose of rinse water in accordance with local and national regulations.<br/>Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.</p> |
| Conditions for safe storage | : Keep container tightly closed in a dry and well-ventilated place.<br>Electrical installations / working materials must comply with the technological safety standards.   |
| Materials to avoid          | : Keep away from oxidizing agents.   |

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

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

#### Personal protective equipment

Respiratory protection : Users of this product are required to use a respirator with a minimum Assigned Protection Factor of 10 (APF 10).

Hand protection  
Material : Impervious gloves

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  
Wear face-shield and protective suit for abnormal processing problems.

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

Hygiene measures : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
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

**DISPERBYK-2158**

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

|  |   |  |
|--|---|--|
| Colour                                 | : | yellow-orange  |
| Odour                                  | : | characteristic   |
| Odour Threshold                        | : | No data available  |
| pH                                     | : | 6, Concentration: 1 % (68 °F (20 °C)) Method: Universal pH-value indicator     |
| Melting point/ range                   | : | < 50 °F (< 10 °C)<br>Method: derived   |
| Initial boiling point                  | : | > 212 °F (> 100 °C)<br>Method: derived   |
| Vapour pressure                        | : | < 0.00085 hPa (68 °F (20 °C))<br>Method: derived                               |
| Flash point                            | : | 289 °F (143 °C)<br>Method: 49 (Pensky-Martens)                                 |
| Upper explosion limit                  | : | No data available  |
| 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                                | : | 1.084 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                       | : | insoluble  |
| 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                              | : |  |

**DISPERBYK-2158**

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

Viscosity, dynamic : 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 : No decomposition if stored and applied as directed.  
Conditions to avoid : No data available  
Incompatible materials : Strong oxidizing agents  
Hazardous decomposition products : No data available

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

Acute oral toxicity : Remarks: No data available  
Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method  
Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:****57472-68-1 Oxybis(methyl-2,1-ethanediyl) diacrylate:**

Acute oral toxicity : LD50 (Rat): 3,530 mg/kg  
Method: OECD Test Guideline 401  
GLP: no  
Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

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

Remarks: Extremely corrosive and destructive to tissue.

**Components:****57472-68-1 Oxybis(methyl-2,1-ethanediyl) diacrylate:**

Species: Rabbit

**DISPERBYK-2158**

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

Method: OECD Test Guideline 404  
Result: Skin irritation  
GLP: no

**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:****57472-68-1 Oxybis(methyl-2,1-ethanediyl) diacrylate:**

Species: Rabbit  
Result: Irreversible effects on the eye  
Method: OECD Test Guideline 405  
GLP: yes

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

Remarks: Causes sensitisation.

**Components:****57472-68-1 Oxybis(methyl-2,1-ethanediyl) diacrylate:**

Test Type: Mouse Local Lymph Node assay (LLNA)  
Exposure routes: Skin contact  
Species: Mouse  
Method: OECD Test Guideline 429  
Result: Causes sensitisation.  
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

**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.

**DISPERBYK-2158**

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

**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: No known chronic health effects.

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

No data available

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

Inhalation:

Symptoms:

High concentrations of vapors resulting from the product being heated, misted or sprayed may cause irritation of the respiratory tract and mucous membranes.

Skin contact:

Symptoms:

Contact will probably cause irritation; may cause skin sensitization.

**DISPERBYK-2158**

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

Eye contact:

Symptoms:

Contact will probably cause severe irritation and corrosion.

Ingestion:

Symptoms:

Ingestion will probably cause irritation of the digestive tract.

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

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:**

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).

**DISPERBYK-2158**

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

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**

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)**

This material does not contain any components with a CERCLA RQ.

**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

**DISPERBYK-2158**

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

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).

Non-volatile (Wt) : 60 %  
Method: Not applicable.  
  
see user defined free text

**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

|  |              |
|--|--------------|
| Copolymer                                | Not Assigned |
| Oxybis(methyl-2,1-ethanediyl) diacrylate | 57472-68-1   |
| Zinc neodecanoate                        | 27253-29-8   |

**New Jersey Right To Know**

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : 800963-5488

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including Toluene, Bisphenol A, 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:**

**DISPERBYK-2158**

Version 2

Revision Date 10/08/2024

Print Date 04/30/2026

|                   |   |  |
|-------------------|---|--|
| TSCA              | : | All substances listed as active on the TSCA inventory  |
| Section 5a        | : | 40 CFR 721.11303 (P-17-220). Limitations: Import only. Use only as a dispersing agent applied at concentrations <3% weight as solids (or active) for wood coatings containing silica in an industrial setting. |
| Section 4 / 12(b) | : | If exporting, contact EHS Department.  |
| DSL               | : | The following component(s) is/are not listed on the DSL:   |
| CEPA Category     | : | Polymer  |
| Weight percent    | : | 60 %   |
| NSN Filed         | : | Schedule 9   |
| Max. NSN Required | : | Schedule 10  |

**SECTION 16. OTHER INFORMATION**

Revision Date : 10/08/2024

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.