

**Disperbyk-116**

Version 4

Revision Date 05/01/2015

Print Date 05/12/2015

**SECTION 1. IDENTIFICATION**

Product name : Disperbyk-116

**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 : [ehs.byk.usa@altana.com](mailto:ehs.byk.usa@altana.com)

Emergency telephone : 203-265-2086; CHEMTREC 1-800-424-9300 / +1 703-527-  
number 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

**GHS Label element**

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.  
H318 Causes serious eye damage.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.  
P280 Wear protective gloves.

**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 or doctor/ physician.  
P332 + P313 If skin irritation occurs: Get medical advice/

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attention.  
P362 Take off contaminated clothing and wash before reuse.

**Other hazards**

None known.

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

Chemical nature : Acrylate copolymer with pigment affinic groups

**Hazardous components**

Component	CAS-No.	Concentration (%)
2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine	222417-26-7	>= 49 - < 50

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

**SECTION 4. FIRST AID MEASURES**

If inhaled : Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.

In case of skin contact : 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.

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.

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

Unsuitable extinguishing media : No information available.

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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 (NO <sub>x</sub> ) Sulphur oxides
Further information	: Keep away from heat and sources of ignition. Keep away from oxidizing agents.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	: Wear protective equipment: goggles, chemically resistant clothing and gloves, and appropriate respirator if in a confined area.
Environmental precautions	: Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.
Methods and materials for containment and cleaning up	: Stop leak. Dike and contain spill. Pump into salvage tanks and/or absorb with suitable material. Use sparkless shovels to remove material.

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling	: Avoid contact with skin and eyes. Handle as an industrial chemical. Keep container tightly closed.
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.
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.

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

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**Personal protective equipment**

Respiratory protection	: Not necessary.
Hand protection	
Material	: Neoprene gloves
Eye protection	: Safety Glasses Goggles
Skin and body protection	: 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.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Colour	: tan
Odour	: not significant
Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: > 212.00 °F (> 100.00 °C) Method: 49 (Pensky-Martens)
Evaporation rate	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: < 1.0000000 hPa (68.00 °F (20.00 °C)) Method: calculated
Relative vapour density	: No data available
Relative Density/Specific Gravity	: No data available

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Density : 0.9900 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

Auto-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 : Not classified as a reactivity hazard.

Chemical stability : Stable; polymerization will not occur

Possibility of hazardous  
reactions : No data available

Conditions to avoid : None known.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition  
products : None expected

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

Skin contact

Skin absorption

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Inhalation

Eyes

Ingestion

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

Acute oral toxicity : Remarks: No data available

Remarks: No data available

**Components:****222417-26-7 2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine:**Acute oral toxicity : LD50 Oral (Rat, male and female): > 5,000 mg/kg  
GLP: yes**Skin corrosion/irritation****Product:**

Remarks: No data available

Remarks: No data available

**Components:****222417-26-7 2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine:**

Species: Rabbit

Assessment: Irritating to skin.

Method: OECD Test Guideline 404

Result: Skin irritation

GLP: yes

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

Remarks: No data available

Remarks: No data available

**Components:****222417-26-7 2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine:**

Species: Rabbit

Result: Severe eye irritation

Assessment: Risk of serious damage to eyes.

Method: OECD Test Guideline 405

GLP: yes

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

Remarks: No data available

**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.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**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: None expected.

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.

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**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.

**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.



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**SECTION 14. TRANSPORT INFORMATION****International Regulation****IATA-DGR**

UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(Polyacrylate)  
Class : 9  
Packing group : III  
Labels : Miscellaneous substances and articles  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964

**IMDG-Code**

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(Polyacrylate)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
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.

**National Regulations****49 CFR**

UN/ID/NA number : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(Polyacrylate)  
Class : 9  
Packing group : III  
Labels : Miscellaneous substances and articles  
ERG Code : 171  
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 Act**

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**CERCLA Reportable Quantity**

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

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a SARA 302 RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**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 12 (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).

**Non-volatile (Wt)** : 97 - 100 %  
Method: 22 (10min/150°C)  
DIN EN ISO 3251  
Non-volatile information is not a specification.

**Massachusetts Right To Know**

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

**Pennsylvania Right To Know**

Polymer	-
2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine	222417-26-7

**New Jersey Right To Know**

Polymer	-
2-Propenoic acid, butyl ester, homopolymer, reaction products with N,N-dimethyl-1,3-propanediamine	222417-26-7

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : 800963-5152

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**California Prop 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

**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
- 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.