

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

SECTION 1. IDENTIFICATION

Product name : DISPERBYK-115

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

E-mail address : 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 & 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

Skin irritation : Category 2

Eye irritation : Category 2A

Carcinogenicity : Category 2

Reproductive toxicity : Category 2

Specific target organ toxicity : Category 3 (Central nervous system)
- single exposure

Specific target organ toxicity : Category 2 (Kidney, Liver)
- repeated exposure

GHS label elements

Hazard pictograms :   

Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

Precautionary statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (Kidney, Liver) through prolonged or repeated exposure.

: **Prevention:**

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
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.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ 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 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: 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 + 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.

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Solution of a high molecular weight block copolymer with pigment affinic groups

Hazardous components

Component	CAS-No.	Concentration (%)
Xylene	1330-20-7	≥ 23 - < 24
Ethyl benzene	100-41-4	≥ 9 - < 10
1-Methoxy-2-propanol acetate	108-65-6	≥ 7 - < 8
n-Butyl Acetate	123-86-4	≥ 6 - < 7

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.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.

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 : Immediately flush eye(s) with plenty of water.
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 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.

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

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

Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

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

Hazardous combustion products : Carbon oxides
Nitrogen oxides (NO_x)

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.
For safety reasons in case of fire, cans should be stored separately in closed containments.
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

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours 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

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
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.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : 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.

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Xylene	1330-20-7	TWA	100 ppm 435 mg/m ³	OSHA Z-1
Xylene		STEL	150 ppm 655 mg/m ³	OSHA P0
Xylene		TWA	100 ppm 435 mg/m ³	OSHA P0
Xylene		TWA	100 ppm	ACGIH
Xylene		STEL	150 ppm	ACGIH
Ethyl benzene	100-41-4	TWA	20 ppm	ACGIH
Ethyl benzene		TWA	100 ppm 435 mg/m ³	OSHA Z-1
Ethyl benzene		TWA	100 ppm 435 mg/m ³	OSHA P0

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

Ethyl benzene		STEL	125 ppm 545 mg/m ³	OSHA P0
1-Methoxy-2-propanol acetate	108-65-6	TWA	50 ppm	US WEEL
n-Butyl Acetate	123-86-4	TWA	150 ppm	ACGIH
n-Butyl Acetate		STEL	200 ppm	ACGIH
n-Butyl Acetate		TWA	150 ppm 710 mg/m ³	OSHA Z-1
n-Butyl Acetate		TWA	150 ppm 710 mg/m ³	OSHA P0
n-Butyl Acetate		STEL	200 ppm 950 mg/m ³	OSHA P0

Engineering measures : Use with local exhaust ventilation.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

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.

Hygiene measures : 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

Colour : yellow

Odour : solvent-like

Odour Threshold : No data available

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

pH : 6, Concentration: 1 % (68 °F (20 °C)) Method: DIN 19268 (1% in water)

Melting point/freezing point : < 41 °F (< 5 °C)
Method: derived

Initial boiling point and boiling range : 255.20 °F (124.00 °C)
Method: derived

Vapour pressure : 8 hPa (68.00 °F (20.00 °C))
Method: derived

Flash point : 75.20 °F (24.00 °C)
Method: 48 (Abel-Pensky)

Upper explosion limit : 10.80 %(V)

Lower explosion limit : 1.00 %(V)

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 : 0.9600 g/cm³ (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

Ignition temperature : > 392 °F (> 200 °C)
Method: DIN 51794

Thermal decomposition : No data available

Viscosity

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

Viscosity, dynamic : No data available

Viscosity, kinematic : 30 mm²/s (104.00 °F (40.00 °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 : 1-Methoxy-2-propanol acetate may form peroxides of unknown stability.

No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents

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 : Remarks: No data available

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

Acute inhalation toxicity : Acute toxicity estimate : 30.61 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : 4,123 mg/kg
Method: Calculation method

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

Components:**1330-20-7 Xylene:**

Acute oral toxicity : LD50 (Rat): 4,300 mg/kg
Method: EC Directive 92/69/EEC B.1 Acute Toxicity (Oral)
GLP: no

Acute inhalation toxicity : LC50 (Rat): 5000 ppm
Exposure time: 4 h

Acute dermal toxicity : LD50 (Rabbit): 1,700 mg/kg

LD50 (Rabbit): > 4,200 mg/kg
GLP: No information available.

100-41-4 Ethyl benzene:

Acute oral toxicity : LD50 (Rat): 3,500 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 5,510 mg/kg

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

123-86-4 n-Butyl Acetate:

Acute oral toxicity : LD50 (Rat, male): > 10,000 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity : LC50 (Rat, male and female): > 21.1 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
GLP: yes

Acute dermal toxicity : LD50 (Rabbit, male and female): > 14,000 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation**Product:**

Remarks: May cause skin irritation in susceptible persons.

Components:

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

1330-20-7 Xylene:

Species: Rabbit

Result: Moderate skin irritation

100-41-4 Ethyl benzene:

Species: Rabbit

Result: Moderate skin irritation

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

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

123-86-4 n-Butyl Acetate:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

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

Remarks: Causes serious eye irritation.

Components:**1330-20-7 Xylene:**

Species: Rabbit

Result: Eye irritation

100-41-4 Ethyl benzene:

Species: Rabbit

Result: Moderate eye irritation

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

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

123-86-4 n-Butyl Acetate:

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

Respiratory or skin sensitisation**Product:**

Remarks: No data available

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

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

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Not a skin sensitizer.

GLP: yes

123-86-4 n-Butyl Acetate:

Test Type: Buehler Test

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

Carcinogenicity**IARC**

Group 2B: Possibly carcinogenic to humans

Ethyl benzene

100-41-4

Cumene

98-82-8

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

Reasonably anticipated to be a human carcinogen

Cumene

98-82-8

Repeated dose toxicity**Product:**

Remarks: Absorption of ingredients (solvents) by inhalation and/or repeated skin contact has caused injury to liver, kidney, brain, respiratory system, blood, and/or bone marrow in laboratory animals

Animal studies have shown ingredients caused fetotoxic effects at or near maternally toxic levels. Excessive inhalation of Xylene has caused hearing loss in laboratory animals. Hexane used in conjunction w/Xylene increased this effect. Chronic skin contact w/Xylene has caused dermatitis. Ingestion of Ethanol can increase the effects of over-exposure to Xylene. Studies suggest n-Butyl acetate has caused teratogenic effects in laboratory animals at maternally toxic doses.

Ethylbenzene is an IARC Group 2B carcinogen based on animal studies (increased tumors in rats and mice).

Subacute toxicity

Experience with human exposure**Product:**

Inhalation:

Symptoms:

High concentrations of vapors may be irritating to the respiratory tract. May cause

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

headaches, dizziness, nausea and vomiting.
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 irritation.

Ingestion:

Symptoms:

May irritate the digestive tract and cause
same symptoms as inhalation; high dosages
may result in unconsciousness.

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

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:**

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

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	: No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

EPA Hazardous Waste Code(s)	: D001: Ignitable D018: Benzene
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. Do not burn, or use a cutting torch on, the empty drum.

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

UN/ID No.	: UN 1993
Proper shipping name	: Flammable liquid, n.o.s. (Xylene, Butyl acetate)
Class	: 3
Packing group	: III
Labels	: Flammable Liquids
Packing instruction (cargo aircraft)	: 366
Packing instruction (passenger aircraft)	: 355

IMDG-Code

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

UN number : UN 1993
Proper shipping name : FLAMMABLE LIQUID, N.O.S.
(XYLENE, BUTYL ACETATE)
:)
Class : 3
Packing group : III
Labels : 3
EmS Code : F-E, S-E
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 1993
Proper shipping name : Flammable liquids, n.o.s.
(Xylene, Butyl acetate)
Class : 3
Packing group : III
Labels : FLAMMABLE LIQUID
ERG Code : 128
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****US. EPA CERCLA Hazardous Substances (40 CFR 302)**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Xylene	1330-20-7	100	429

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

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022

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.

Xylene	1330-20-7	23.3 %
Ethyl benzene	100-41-4	9.5 %

Clean Air Act

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

Xylene	1330-20-7	23.3 %
Ethyl benzene	100-41-4	9.5 %

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):

Xylene	1330-20-7	23.3 %
Ethyl benzene	100-41-4	9.5 %
n-Butyl Acetate	123-86-4	6.9 %

Non-volatile (Wt)

: 50 - 54 %

Method: 23 (20min/150°C)

DIN EN ISO 3251

Non-volatile information is not a specification.

Massachusetts Right To Know

Xylene	1330-20-7
n-Butyl Acetate	123-86-4
Ethyl benzene	100-41-4
Benzene	71-43-2

Pennsylvania Right To Know

Polymer	-
Xylene	1330-20-7
1-Methoxy-2-propanol acetate	108-65-6
n-Butyl Acetate	123-86-4
Ethyl benzene	100-41-4
Cumene	98-82-8

DISPERBYK-115

Version 8

Revision Date 05/12/2022

Print Date 09/29/2022


Toluene 108-88-3

New Jersey Right To Know

Polymer	-
Xylene	1330-20-7
1-Methoxy-2-propanol acetate	108-65-6
n-Butyl Acetate	123-86-4
Ethyl benzene	100-41-4
Toluene	108-88-3

New Jersey Trade Secret : 800963-5095
Registry Number for the product (NJ TSNR)

California Prop. 65

 **WARNING:** This product can expose you to chemicals including Ethyl benzene, Cumene, Benzene, which is/are known to the State of California to cause cancer, and Toluene, 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.

The components of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

TSCA Inventory Active List : All components of this product are listed active and/or are exempt

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

DSL : Not listed

SECTION 16. OTHER INFORMATION

Revision Date : 05/12/2022

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.