

DISPERPLAST-P

Version 5

Revision Date 11/17/2023

Print Date 01/06/2026

SECTION 1. IDENTIFICATION

Product name : DISPERPLAST-P

Manufacturer or supplier's detailsCompany : BYK USA LLC
524 South Cherry Street
Wallingford CT 06492

Telephone : (203) 265-2086

Visit our web site : www.byk.comE-mail address : BRIEF.BYK.NAFTA@altana.comEmergency 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**

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.**Other hazards**

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None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
 Chemical nature : Solution of unsaturated polycarboxylic acid polymer
Hazardous components

Component	CAS-No.	Concentration (%)
Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids	85711-46-2	>= 49 - < 50

SECTION 4. FIRST AID MEASURES

General advice : Show this safety data sheet to the doctor in attendance.
 Move out of dangerous area.
 Do not leave the victim unattended.

If inhaled : Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.
 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.
 If skin irritation persists, call a physician.

In case of eye contact : Immediately flush with plenty of water for at least 20 minutes.
 Get medical aid.
 Remove contact lenses.
 Protect unharmed eye.
 Keep eye wide open while rinsing.
 Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

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.
 Keep respiratory tract clear.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.
 Do NOT induce vomiting.

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

SECTION 5. FIREFIGHTING MEASURES

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Suitable extinguishing media	: Foam Carbon dioxide (CO ₂) Dry chemical Alcohol-resistant foam Carbon dioxide (CO ₂)
Unsuitable extinguishing media	: No information available. No information available.
Specific hazards during firefighting	: Cool closed containers exposed to fire with water spray. Will not explode on mechanical impact. Do not allow run-off from fire fighting to enter drains or water courses. May release toxic, irritating and/or corrosive gases. Cool closed containers exposed to fire with water spray.
Hazardous combustion products	: Carbon oxides Oxides of phosphorus
Further information	: Keep away from heat and sources of ignition. Keep away from oxidizing agents. Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system. Immediately evacuate personnel to safe areas.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Structural fire-fighting protective clothing provides limited protection in fire situations only. Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Eliminate all sources of ignition. Wear protective equipment: safety glasses, gloves and an appropriate respirator. : Do not touch or walk through spill
Environmental precautions	: Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods. If the product contaminates rivers and lakes or drains inform respective authorities. Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

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Do not flush into surface water or sanitary sewer system.

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.

Prevent further leakage or spillage if safe to do so.

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 : Harmful in contact with skin.
 Avoid contact with skin and eyes.
 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 Handle as an industrial chemical.
 Keep container tightly closed.
 Do not breathe vapours/dust.
 Avoid contact with skin and eyes.
 Provide sufficient air exchange and/or exhaust in work rooms.
 Open drum carefully as content may be under pressure.
 For personal protection see section 8.
 Smoking, eating and drinking should be prohibited in the application area.
 Dispose of rinse water in accordance with local and national regulations.
 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.

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.
 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.

No special restrictions on storage with other products.

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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.
 Use with local exhaust ventilation.
 Engineering and/or work practice controls should be implemented to maintain exposure to respirable crystalline silica below the permissible exposure limit.

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.
 When using this product at elevated temperatures, wear a respirator with a vapour filter (see section 8).
 If there is potential for overexposure, wear a respirator that is appropriate for the state of matter (mist/vapor/aerosol/particulate) and is NIOSH approved and properly fitted in accordance with applicable regulations

Hand protection

Material : Neoprene gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

: Safety Glasses
 Goggles
 Ensure that eyewash stations and safety showers are close to the workstation location.
 Wear eye/face protection if there is potential for direct contact of vapors/mists/dusts/aerosol/liquid to the eye or face.

Skin and body protection

Eye wash bottle with pure water
 Tightly fitting safety goggles
 : 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.
 Wash hands before breaks and at the end of workday.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Colour : light brown
Odour : not significant
Odour Threshold : No data available

pH : 6, Concentration: 1 % (68 °F (20 °C)) Method: Universal pH-value indicator

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

Initial boiling point : > 392.00 °F (> 200.00 °C)
Method: derived

Vapour pressure : < 1 hPa (68 °F (20 °C))
Method: derived

Flash point : 248.00 °F (120.00 °C)
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 : 1.003 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

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Thermal decomposition : No data available

Viscosity
Viscosity, dynamic : No data available**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Not classified as a reactivity hazard.
Not classified as a reactivity hazard.

Chemical stability : Stable; polymerization will not occur
No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No data available

Stable under recommended storage conditions.
No hazards to be specially mentioned.

No data available

No data available

Conditions to avoid : None known.
No data available

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : None expected
No data available

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, male and female): > 5,000.000000 mg/kg

Components:**85711-46-2 Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids:**Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg
Method: OECD Test Guideline 423
GLP: yes

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Skin corrosion/irritation**Product:**

Species: Rabbit
Method: OECD Test Guideline 404
Result: Mild skin irritation

Remarks: May cause skin irritation and/or dermatitis.

Components:**85711-46-2 Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids:**

Species: EPISKIN human epidermis skin constructs
Assessment: Irritating to skin.
Method: OECD Test Guideline 439
Result: Irritating to skin.
GLP: yes

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

Species: Rabbit
Result: No eye irritation
Assessment: No eye irritation
Method: OECD Test Guideline 405
GLP: yes

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

Components:**85711-46-2 Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids:**

Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
GLP: yes

Respiratory or skin sensitisation**Product:**

Remarks: No data available

Remarks: Causes sensitisation.

Components:**85711-46-2 Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids:**

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Test Type: Mouse Local Lymph Node assay (LLNA)
Species: Mouse
Assessment: May cause sensitisation by skin contact.
Method: OECD Test Guideline 429
Result: May cause sensitisation by skin contact.
GLP: yes

Germ cell mutagenicity**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

Components:**85711-46-2 Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids:**

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

: Test Type: In vitro mammalian cell gene mutation test (mouse lymphoma)
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

: Test Type: Chromosome aberration test in vitro
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes

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.

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.

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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

Components:

85711-46-2 Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids:

Effects on fertility :
Species: Rat
Sex: male and female
Application Route: Oral
NOAEL: 1,000 mg/kg,
F1: > 1,000 mg/kg,
Method: OECD Test Guideline 422
GLP: yes

Effects on foetal development : Species: Rat
Application Route: Oral
> 1,000 mg/kg
1,000 mg/kg
Method: OECD Test Guideline 422
GLP: yes

STOT - single exposure**Product:**

Remarks: No data available

STOT - repeated exposure**Product:**

Remarks: No data available

Repeated dose toxicity**Product:**

Remarks: No data available

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Components:**85711-46-2 Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids:**

Species: Rat, male and female

NOAEL: 1,000 mg/kg

Application Route: Oral

Method: OECD Test Guideline 422

GLP: yes

Target Organs: Stomach

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, mucous membranes, and CNS depression.

Skin contact:

Symptoms:

Contact will probably cause irritation; may cause skin sensitization.

Eye contact:

Symptoms:

Contact may cause irritation.

Ingestion:

Symptoms:

Ingestion may irritate the digestive tract.

Further information**Product:**

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

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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).

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.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

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

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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

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 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).

Non-volatile (Wt) : 1.8 %
Method: 22 (10min/150°C)
DIN EN ISO 3251

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Massachusetts Right To Know

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

Pennsylvania Right To Know

1,2-Benzenedicarboxylic acid branch alkyl esters (DIDP)	26761-40-0
Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids	85711-46-2

New Jersey Right To Know

New Jersey Trade Secret Registry Number for the product (NJ TSRN) : 800963-5016

California Prop. 65

⚠ WARNING: This product can expose you to chemicals including 1,2-Benzenedicarboxylic acid branch alkyl esters (DIDP), 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	: 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
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.
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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	: We certify that all of the components of this product are listed on the DSL.

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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.