

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : BYKJET-9150  
UFI : 7GN1-00TP-M00S-YMXC  
Product code : 000000000000146998

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Wetting & Dispersing Additive

#### 1.3 Details of the supplier of the safety data sheet

Company : BYK-Chemie GmbH  
Abelstrasse 45  
46483 Wesel  
Telephone : +49 281 670-0  
Telefax : +49 281 65735  
  
Information : Regulatory Affairs  
Telephone : +49 281 670-23532  
Telefax : +49 281 670-23533  
E-mail address : GHS.BYK@altana.com

#### 1.4 Emergency telephone number

Europe +44 1235 239670  
Middle East/Africa +44 1235 239671  
Americas +1 215 207 0061  
East/South East Asia +65 3158 1074  
(Local India: 000 800 100 7479)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

|                                                |                                                             |
|------------------------------------------------|-------------------------------------------------------------|
| Skin sensitisation, Category 1                 | H317: May cause an allergic skin reaction.                  |
| Short-term (acute) aquatic hazard, Category 1  | H400: Very toxic to aquatic life.                           |
| Long-term (chronic) aquatic hazard, Category 1 | H410: Very toxic to aquatic life with long lasting effects. |

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

|                          |   |                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms        | : |                                                                                                                                                                            |
| Signal word              | : | Warning                                                                                                                                                                                                                                                                                                                                      |
| Hazard statements        | : | H317 May cause an allergic skin reaction.<br>H410 Very toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                      |
| Precautionary statements | : | <b>Prevention:</b><br>P261 Avoid breathing mist or vapours.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves.<br><b>Response:</b><br>P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.<br>P362 + P364 Take off contaminated clothing and wash it before reuse.<br>P391 Collect spillage. |

### Hazardous components which must be listed on the label:

- 84170-74-1 Poly[oxy(methyl-1,2-ethanediyl)], a,a'-(2,2-dimethyl-1,3-propanediyl)bis[w-[(1-oxo-2-propenyl)oxy]-
- 150-76-5 mequinol

### 2.3 Other hazards

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Solution of a copolymer with pigment affinic groups

#### Components

| Chemical name | CAS-No.<br>EC-No.<br>Index-No. | Classification | Concentration<br>(% w/w) |
|---------------|--------------------------------|----------------|--------------------------|
|               |                                |                |                          |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0

SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023

Print Date 13.05.2025

|                                                                                                                                                                                                                                               | Registration number                       |                                                                                                                                        |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, 3-(dimethylamino)propyl imide, imide with polyethylene-polypropylene glycol 2-aminopropyl Me ether, 2-[(C10-16-alkyloxy)methyl]oxirane-quaternized, benzoates (salts) | 1431957-88-8                              | Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br><br>M-Factor (Acute aquatic toxicity): 1<br>M-Factor (Chronic aquatic toxicity): 1 | $\geq 50 - \leq 100$ |
| Poly[oxy(methyl-1,2-ethanediyl)], a,a'-(2,2-dimethyl-1,3-propanediyl)bis[w-[(1-oxo-2-propenyl)oxy]-mequinol                                                                                                                                   | 84170-74-1                                | Skin Sens. 1; H317<br>Aquatic Chronic 2; H411                                                                                          | $\geq 25 - < 30$     |
|                                                                                                                                                                                                                                               | 150-76-5<br>205-769-8<br>01-2119541813-40 | Acute Tox. 4; H302<br>Eye Irrit. 2; H319<br>Skin Sens. 1; H317                                                                         | $\geq 0,1 - < 0,25$  |
| 2,6-di-tert-butyl-p-cresol                                                                                                                                                                                                                    | 128-37-0<br>204-881-4<br>01-2119565113-46 | Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br><br>M-Factor (Acute aquatic toxicity): 1<br>M-Factor (Chronic aquatic toxicity): 1 | $\geq 0,1 - < 0,25$  |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of 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 : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Flush eyes with water as a precaution.  
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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.  
Risks : May cause an allergic skin reaction.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

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<sub>x</sub>)

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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.

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

### 6.2 Environmental precautions

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for 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.

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : 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. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0

SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023

Print Date 13.05.2025

| Substance name                                                                                      | End Use   | Exposure routes | Potential health effects   | Value                      |
|-----------------------------------------------------------------------------------------------------|-----------|-----------------|----------------------------|----------------------------|
| Poly[oxy(methyl-1,2-ethanediyl)], a,a'-(2,2-dimethyl-1,3-propanediyl)bis[w-[(1-oxo-2-propenyl)oxy]- | Workers   | Inhalation      |                            | 11,75 mg/m3                |
|                                                                                                     | Workers   | Skin contact    |                            | 0,117 mg/cm2<br>3,33 mg/kg |
|                                                                                                     | Consumers | Inhalation      |                            | 2,9 mg/m3                  |
|                                                                                                     | Consumers | Ingestion       |                            | 1,67 mg/kg                 |
|                                                                                                     | Consumers | Skin contact    |                            | 0,117 mg/cm2<br>1,67 mg/kg |
| 2,6-di-tert-butyl-p-cresol                                                                          | Workers   | Inhalation      | Long-term systemic effects | 1,76 mg/m3                 |
|                                                                                                     | Workers   | Skin contact    | Long-term systemic effects | 0,5 mg/kg                  |
|                                                                                                     | Consumers | Oral            | Long-term systemic effects | 0,25 mg/kg                 |
|                                                                                                     | Consumers | Inhalation      | Long-term systemic effects | 0,435 mg/m3                |
|                                                                                                     | Consumers | Dermal          | Long-term systemic effects | 0,25 mg/kg                 |

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

| Substance name                                                                                      | Environmental Compartment | Value         |
|-----------------------------------------------------------------------------------------------------|---------------------------|---------------|
| Poly[oxy(methyl-1,2-ethanediyl)], a,a'-(2,2-dimethyl-1,3-propanediyl)bis[w-[(1-oxo-2-propenyl)oxy]- | Fresh water               | 0,0027 mg/l   |
|                                                                                                     | Fresh water sediment      | 0,1881 mg/kg  |
|                                                                                                     | Intermittent releases     | 0,027 mg/l    |
|                                                                                                     | Marine water              | 0,00027 mg/l  |
|                                                                                                     | Sewage treatment plant    | 0,2 mg/l      |
|                                                                                                     | Soil                      | 0,036 mg/kg   |
|                                                                                                     | Marine sediment           | 0,01881 mg/kg |
| 2,6-di-tert-butyl-p-cresol                                                                          | Fresh water               | 0,000199 mg/l |
|                                                                                                     | Marine water              | 0,00002 mg/l  |
|                                                                                                     | Soil                      | 0,04769 mg/l  |
|                                                                                                     | Intermittent releases     | 0,00199 mg/l  |
|                                                                                                     | Fresh water sediment      | 0,0996 mg/kg  |
|                                                                                                     | Marine sediment           | 0,00996 mg/kg |

## 8.2 Exposure controls

### Personal protective equipment

Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Hand protection  
Material : butyl-rubber  
Break through time : > 120 min

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0

SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023

Print Date 13.05.2025

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

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

### Environmental exposure controls

General advice : 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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : amber

Odour : characteristic

Odour Threshold : No data available

Melting point/freezing point : < 5 °C  
Method: derived

Initial boiling point and boiling range : 225 °C  
Method: derived

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Flash point : 138 °C  
Method: 49 (Pensky-Martens)

Auto-ignition temperature : > 200 °C  
Method: DIN 51794

Decomposition temperature : No data available

pH : 7 (20 °C)  
Concentration: 10 %  
Method: Universal pH-value indicator

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : 7,37 mm<sup>2</sup>/s (20 °C)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

|                                        |                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------|
| Solubility(ies)                        |                                                                                     |
| Water solubility                       | : completely miscible                                                               |
| Solubility in other solvents           | : No data available                                                                 |
| Partition coefficient: n-octanol/water | : No data available                                                                 |
| Vapour pressure                        | : 0,0000040 hPa (26 °C)<br>Method: derived                                          |
| Relative density                       | : No data available                                                                 |
| Density                                | : 1,071 g/cm <sup>3</sup> (20 °C, 1.013 hPa)<br>Method: 4 (20°C oscillating U-tube) |
| Bulk density                           | : Not applicable                                                                    |
| Relative vapour density                | : No data available                                                                 |

### 9.2 Other information

|                        |                       |
|------------------------|-----------------------|
| Flammability (liquids) | : Sustains combustion |
| Evaporation rate       | : No data available   |

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Hazardous reactions | : No decomposition if stored and applied as directed. |
|---------------------|-------------------------------------------------------|

### 10.4 Conditions to avoid

|                     |                     |
|---------------------|---------------------|
| Conditions to avoid | : No data available |
|---------------------|---------------------|

### 10.5 Incompatible materials

|                    |                                             |
|--------------------|---------------------------------------------|
| Materials to avoid | : Strong oxidizing agents<br>Bases<br>Acids |
|--------------------|---------------------------------------------|

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

Not classified due to lack of data.

##### Product:

Acute oral toxicity : Remarks: No data available

##### Components:

2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, 3-(dimethylamino)propyl imide, imide with polyethylene-polypropylene glycol 2-aminopropyl Me ether, 2-[(C10-16-alkyloxy)methyl]oxirane-quaternized, benzoates (salts):

Acute oral toxicity : LD50 (Rat, female): > 2.000 mg/kg  
Method: OECD Test Guideline 420  
GLP: yes

##### **Poly[oxy(methyl-1,2-ethanediyl)], a,a'-(2,2-dimethyl-1,3-propanediyl)bis[w-[(1-oxo-2-propenyl)oxy]-:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : LC50 (Rat, male and female): 2 mg/l  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
GLP: yes

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

##### **2,6-di-tert-butyl-p-cresol:**

Acute oral toxicity : LD50 (Rat): > 6.000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

##### **Skin corrosion/irritation**

Not classified due to lack of data.

##### Product:

Remarks : May cause skin irritation and/or dermatitis.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0

SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023

Print Date 13.05.2025

### Components:

**Poly[oxy(methyl-1,2-ethanediyl)], a,a'-(2,2-dimethyl-1,3-propanediyl)bis[w-[(1-oxo-2-propenyl)oxy]-]:**

|         |                           |
|---------|---------------------------|
| Species | : Rabbit                  |
| Method  | : OECD Test Guideline 404 |
| Result  | : No skin irritation      |
| GLP     | : yes                     |

### **Serious eye damage/eye irritation**

Not classified due to lack of data.

### Product:

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

### Components:

**Poly[oxy(methyl-1,2-ethanediyl)], a,a'-(2,2-dimethyl-1,3-propanediyl)bis[w-[(1-oxo-2-propenyl)oxy]-]:**

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

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified due to lack of data.

### Product:

|         |                         |
|---------|-------------------------|
| Remarks | : Causes sensitisation. |
|---------|-------------------------|

### Components:

**Poly[oxy(methyl-1,2-ethanediyl)], a,a'-(2,2-dimethyl-1,3-propanediyl)bis[w-[(1-oxo-2-propenyl)oxy]-]:**

|                 |                                       |
|-----------------|---------------------------------------|
| Test Type       | : Mouse Local Lymph Node assay (LLNA) |
| Exposure routes | : Dermal                              |
| Species         | : Mouse                               |
| Method          | : OECD Test Guideline 429             |
| Result          | : Causes sensitisation.               |
| GLP             | : yes                                 |

### **Germ cell mutagenicity**

Not classified due to lack of data.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

### **Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

### **Carcinogenicity**

Not classified due to lack of data.

### **Product:**

Remarks : No data available

### **Reproductive toxicity**

Not classified due to lack of data.

### **Product:**

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

### **STOT - single exposure**

Not classified due to lack of data.

### **Product:**

Remarks : No data available

### **STOT - repeated exposure**

Not classified due to lack of data.

### **Product:**

Remarks : No data available

### **Repeated dose toxicity**

### **Product:**

Remarks : No data available

### **Aspiration toxicity**

Not classified due to lack of data.

### **Product:**

No data available

## 11.2 Information on other hazards

### **Endocrine disrupting properties**

### **Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

to REACH Article 57(f) or Commission Delegated regulation  
(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at  
levels of 0.1% or higher.

### Further information

#### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available

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

#### Components:

2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, 3-(dimethylamino)propyl imide, imide with polyethylene-polypropylene glycol 2-aminopropyl Me ether, 2-[(C10-16-alkyloxy)methyl]oxirane-quaternized, benzoates (salts):

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,25 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201  
GLP: yes

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

#### **2,6-di-tert-butyl-p-cresol:**

Toxicity to fish : LC50 : 199 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0,42 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: Regulation (EC) No. 440/2008, Annex, C.3  
GLP: yes

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

toxicity)

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

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.

### 12.6 Endocrine disrupting properties

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0  
SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023  
Print Date 13.05.2025

Dispose of as unused product.  
Do not re-use empty containers.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

|      |   |         |
|------|---|---------|
| ADR  | : | UN 3082 |
| RID  | : | UN 3082 |
| IMDG | : | UN 3082 |
| IATA | : | UN 3082 |

#### 14.2 UN proper shipping name

|      |   |                                                                                                      |
|------|---|------------------------------------------------------------------------------------------------------|
| ADR  | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,<br>N.O.S.<br>(Polymer with quaternized ammonium groups) |
| RID  | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,<br>N.O.S.<br>(Polymer with quaternized ammonium groups) |
| IMDG | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,<br>N.O.S.<br>(Polymer with quaternized ammonium groups) |
| IATA | : | Environmentally hazardous substance, liquid, n.o.s.<br>(Polymer with quaternized ammonium groups)    |

#### 14.3 Transport hazard class(es)

|      |   |   |
|------|---|---|
| ADR  | : | 9 |
| RID  | : | 9 |
| IMDG | : | 9 |
| IATA | : | 9 |

#### 14.4 Packing group

|                              |       |
|------------------------------|-------|
| <b>ADR</b>                   |       |
| Packing group                | : III |
| Classification Code          | : M6  |
| Hazard Identification Number | : 90  |
| Labels                       | : 9   |
| Tunnel restriction code      | : -   |
| <b>RID</b>                   |       |
| Packing group                | : III |
| Classification Code          | : M6  |
| Hazard Identification Number | : 90  |
| Labels                       | : 9   |
| <b>IMDG</b>                  |       |
| Packing group                | : III |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0

SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023

Print Date 13.05.2025

Labels : 9  
EmS Code : F-A, S-F  
Remarks : IMDG Code segregation group - none

### IATA (Cargo)

Packing instruction (cargo aircraft) : 964  
Packing instruction (LQ) : Y964  
Packing group : III  
Labels : Miscellaneous Dangerous Goods

### IATA (Passenger)

Packing instruction (passenger aircraft) : 964  
Packing instruction (LQ) : Y964  
Packing group : III  
Labels : Miscellaneous Dangerous Goods

## 14.5 Environmental hazards

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 3  
  
Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0

SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023

Print Date 13.05.2025

REACH - List of substances subject to authorisation (Annex XIV) : (Regulation (EC) No 1907/2006 (REACH), Article 57).  
Fire Hazard Class : - : -

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E1 ENVIRONMENTAL HAZARDS

### 15.2 Chemical safety assessment

Not applicable

### SECTION 16: Other information

Items where relevant changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

#### Full text of H-Statements

H302 : Harmful if swallowed.  
H317 : May cause an allergic skin reaction.  
H319 : Causes serious eye irritation.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Irrit. : Eye irritation  
Skin Sens. : Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## BYKJET-9150

Version 3.0

SDB\_LI

Revision Date: 28.03.2025

Date of last issue: 01.02.2023

Print Date 13.05.2025

International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

|                   |      |
|-------------------|------|
| Skin Sens. 1      | H317 |
| Aquatic Acute 1   | H400 |
| Aquatic Chronic 1 | H410 |

#### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |

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.

REG\_EU / EN