

## DISPERBYK-180

Version 1.2  
SDS\_NZ

Revision Date: 14.04.2026

Date of last issue: 19.11.2025  
Print Date 15.04.2026**Section 1: Identification**

Product name : DISPERBYK-180  
Product code : 000000000000105621

**Manufacturer or supplier's details**

Company : BYK-Chemie GmbH  
Address : Abelstrasse 45  
46483 Wesel  
Telephone : +49 281 670-23532  
Telefax : +49 281 670-23533  
E-mail address : GHS.BYK@altana.com  
Emergency telephone number : 0800 446 881 (toll-free number, access from New Zealand only)  
+64 9 929 1483

**Importer**

Company : Alchemy Agencies Ltd  
Level 2, 20 Centre St  
Freemans Bay  
Auckland 1010 NZ  
Tel: +64(0)93770613  
Use of the Substance/Mixture : Wetting & Dispersing Additive

**Section 2: Hazard identification****GHS Classification**

Not a hazardous substance or mixture.

**GHS label elements**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

**Other hazards which do not result in classification**

None known.

**Section 3: Composition/information on ingredients**

Substance / Mixture : Polymer  
Chemical nature : Alkylolammonium salt of a copolymer with acidic groups

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
Poly(oxy-1,2-ethanediyl), $\alpha$ -methyl- $\omega$ -hydroxy-, reaction products with 2-oxeapanone, 2H-pyran-	162627-22-7	$\geq 12.5$ -< 20

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2-one, tetrahydro-, and polyphosphoric acids		
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**Section 4: First-aid measures**

General advice	:	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 eye contact	:	Remove contact lenses. Protect unharmed eye. 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.
Most important symptoms and effects, both acute and delayed	:	No information available.
Notes to physician	:	No information available.

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**Section 5: Fire-fighting measures**

Suitable extinguishing media	:	Foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion products	:	Nitrogen oxides (NO <sub>x</sub> ) Carbon oxides Sulphur oxides Oxides of phosphorus
Specific extinguishing methods	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

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**Section 6: Accidental release measures**

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Methods and materials for containment and cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

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**Section 7: Handling and storage**

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

- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.
- Hygiene measures : General industrial hygiene practice.
- Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : No materials to be especially mentioned.
- Further information on storage stability : No decomposition if stored and applied as directed.

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**Section 8: Exposure controls/personal protection**
**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection
- Material : Nitrile rubber
  - Break through time : > 120 min
- Remarks : Wear suitable gloves.
- Eye protection : Safety glasses
- Skin and body protection : Protective suit

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**Section 9: Physical and chemical properties**

- Appearance : liquid
- Colour : yellow
- Odour : amine-like
- Odour Threshold : No data available
- pH : 8 (20 °C)  
Concentration: 10 %  
Method: Universal pH-value indicator
- Melting point/ range : < 0 °C  
Method: derived
- Initial boiling point : > 200 °C  
Method: derived  
Decomposition
- Flash point : > 100.00 °C  
Method: 49 (Pensky-Martens)
- Evaporation rate : No data available

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Flammability (liquids)	:	Sustains combustion
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	< 1 hPa (20.00 °C) Method: derived
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1.0750 g/cm <sup>3</sup> (20.00 °C) Method: 4 (20°C oscillating U-tube)
Bulk density	:	Not applicable
Solubility(ies)		
Water solubility	:	> 432 g/l (20 °C, 1,013 hPa) Method: OECD Test Guideline 105 GLP: yes
Solubility in other solvents	:	> 479 g/l (20 °C) completely soluble Method: OECD Test Guideline 105 GLP: yes
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	> 200 °C Method: DIN 51794
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Surface tension	:	37.20 mN/m

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**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	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	No data available
Incompatible materials	:	Strong oxidizing agents

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Hazardous decomposition products : No decomposition if stored and applied as directed.

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**Section 11: Toxicological information****Acute toxicity**

Not classified due to lack of data.

**Product:**

Acute oral toxicity : Remarks: No data available

LD50 Oral (Rat, male and female): 3,850 mg/kg  
GLP: yes**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Product:**Species : Rabbit  
Assessment : No skin irritation  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Product:**Species : Rabbit  
Result : No eye irritation  
Assessment : No eye irritation  
Method : OECD Test Guideline 405  
GLP : yes**Respiratory or skin sensitisation****Skin sensitisation**

Not classified due to lack of data.

**Respiratory sensitisation**

Not classified due to lack of data.

**Product:**

Remarks : No data available

**Chronic toxicity****Germ cell mutagenicity**

Not classified due to lack of data.

**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Result: No data available

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### **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

### **Further information**

#### **Product:**

Remarks : No data available

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## **Section 12: Ecological information**

### **Ecotoxicity**

#### **Product:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test

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Method: OECD Test Guideline 203  
GLP: yes

NOEC (Oncorhynchus mykiss (rainbow trout)): 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203  
GLP: yes

Remarks: No data available

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

Toxicity to algae/aquatic :  
plants : Remarks: No data available

ErC50 (Pseudokirchneriella subcapitata): > 100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
GLP: yes

Toxicity to daphnia and other : Remarks: No data available  
aquatic invertebrates :  
(Chronic toxicity)

#### Persistence and degradability

##### Product:

Biodegradability : Result: Inherently biodegradable.  
Method: OECD Test Guideline 301B  
GLP: yes

#### Bioaccumulative potential

##### Product:

Bioaccumulation : Remarks: No data available

#### Mobility in soil

No data available

#### Other adverse effects

##### Product:

Additional ecological : No data available  
information

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### Section 13: Disposal considerations

#### Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Environmentally hazardous : no

**IATA-DGR**

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

**IMDG-Code**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****NZS 5433**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Hazchem Code : Not applicable

**Special precautions for user**

Not applicable

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Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

**HSW Controls**

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

**Section 16: Other information**Revision Date : 14.04.2026  
Date format : dd.mm.yyyy**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; GHS - Globally Harmonised 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 - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods;

# SAFETY DATA SHEET



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vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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.

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