

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

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

#### 1.1 Product identifier

Trade name : BELOCID PLUS

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

Use of the Sub- : PROC10: Roller application or brushing  
stance/Mixture PC9a: Coatings and paints, thinners, paint removers

Recommended restrictions : Reserved for industrial and professional use.  
on use

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

Company : KANSAI HELIOS Slovenija d.o.o.  
Količevo 65  
1230 Domžale  
Slovenia

Telephone Company : 386 (1) 722 4383

Telefax Company : 386 (1) 722 4310

Responsible/issuing person : 386 (1) 722 4383  
productsafety@kansai-helios.si

#### 1.4 Emergency telephone number

- emergency number (for cases of poisoning, national number - like 911)

The National Poisons Information Centre, Ireland: 01 809 2166

National Emergency Health Line: 999

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Eye irritation, Category 2 H319: Causes serious eye irritation.

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.

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version  
6.0



Revision Date:  
02.07.2024

SDS Number:  
MAT000465022  
IE/EN

Date of last issue: 13.06.2024  
Date of first issue: 22.11.2023

### 2.2 Label elements

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

Hazard pictograms	:		
Signal word	:	Warning	
Hazard statements	:	H319 H410	Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	<b>Prevention:</b> P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear eye protection/ face protection. <b>Response:</b> P337 + P313 If eye irritation persists: Get medical advice/ attention. P391 Collect spillage. <b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.	

#### Additional Labelling

EUH208	Contains permethrin (ISO), 3-iodo-2-propynyl butylcarbamate, propiconazole (ISO), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
--------	---

### 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

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version  
6.0

Revision Date:  
02.07.2024

SDS Number:  
MAT000465022  
IE/EN

Date of last issue: 13.06.2024  
Date of first issue: 22.11.2023

Chemical nature : Waterborne paint

### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
alcohols, C9-11 ethoxylated	68439-46-3	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	$\geq 1 - < 3$
permethrin (ISO)	52645-53-1 258-067-9 613-058-00-2	Acute Tox. 4; H302 Acute Tox. 3; H331 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1,000 M-Factor (Chronic aquatic toxicity): 1,000  Acute toxicity esti- mate  Acute oral toxicity: 500 mg/kg 1,479 mg/kg Acute inhalation tox- icity (dust/mist): 0.5991 mg/l	$\geq 0.1 - < 0.25$
3-iodo-2-propynyl butylcarbamate	55406-53-6 259-627-5 616-212-00-7 01-2120762115-60	Acute Tox. 4; H302 Acute Tox. 3; H331 Eye Dam. 1; H318 Skin Sens. 1; H317 STOT RE 1; H372 (larynx) Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1	$\geq 0.1 - < 0.25$

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version  
6.0

Revision Date:  
02.07.2024

SDS Number:  
MAT000465022  
IE/EN

Date of last issue: 13.06.2024  
Date of first issue: 22.11.2023

		Acute toxicity estimate  Acute oral toxicity: 500 mg/kg 300.03 mg/kg Acute inhalation toxicity (dust/mist): 0.67 mg/l	
propiconazole (ISO)	60207-90-1 262-104-4 613-205-00-0	Acute Tox. 4; H302 Skin Sens. 1; H317 Repr. 1B; H360D Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 0.1 - < 0.25
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411  specific concentration limit Skin Sens. 1; H317 >= 0.05 %	>= 0.025 - < 0.05

### 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 skin irritation persists, call a physician.

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

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 : Clean mouth with water and drink afterwards plenty of water.  
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.

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

Risks : Causes serious eye irritation.  
  
Causes serious eye irritation.

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

Treatment : Treat symptomatically.  
  
Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.  
  
Hazardous combustion products : No hazardous combustion products are known

### 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.

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

---

### 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 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

See sections: 7, 8, 11, 12 and 13.

---

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : 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.  
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 : When using do not eat or drink. When using do not smoke.  
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 re-sealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

Further information on storage conditions : Protect from frost.

Store at the temperature from 5°C to 35°C.

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

### 7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

Consult the technical guidelines for the use of this substance/mixture.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
3-iodo-2-propynyl butylcarbamate	55406-53-6	OELV - 8 hrs (TWA) (Inhalable fraction and vapour)	0.01 mg/m3	IE OEL

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

Substance name	End Use	Exposure routes	Potential health effects	Value
1,2-benzisothiazol-3(2H)-one	Workers	Inhalation	Long-term systemic effects	6.81 mg/m3
	Workers	Dermal	Long-term systemic effects	0.966 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	1.2 mg/m3
	Consumers	Dermal	Long-term systemic effects	0.345 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
1,2-benzisothiazol-3(2H)-one	Fresh water	0.00403 mg/l
	Intermittent use/release	0.0011 mg/l
	Marine water	0.000403 mg/l
	Sewage treatment plant	1.03 mg/l
	Fresh water sediment	0.0499 mg/kg dry weight (d.w.)
	Marine sediment	0.00499 mg/kg

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

		dry weight (d.w.)
	Soil	3 mg/kg dry weight (d.w.)

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Equipment should conform to EN 166  
Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Gloves : Nitrile rubber (> 0,1 mm; < 60 min); ISO EN374 |  
butyl-rubber (> 0,6 mm; < 240 min); ISO EN374 |  
Viton® (> 0,6 mm; < 240 min); ISO EN374 |  
PE laminate (> 0,1 mm; < 240 min); ISO EN374 |

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

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

Respiratory protection : No personal respiratory protective equipment normally required.  
  
Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.  
In the case of dust or aerosol formation use respirator with an approved filter.  
Respirator with a half face mask  
Equipment should conform to EN-136; EN-143; EN-149; EN-529

Filter type : Combined particulates and organic vapour type (A - P2)

Protective measures : Handle in accordance with good industrial hygiene and safety practice.

Wash thoroughly after handling.

Avoid contact with skin, eyes and clothing.



# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

Keep away from food, drink and animal feedingstuffs.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Colour	:	colourless
Odour	:	characteristic
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	100 °C
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	Not applicable
Ignition temperature	:	No data available
pH	:	6 - 8 Concentration: 100 %
Viscosity	:	
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Flow time	:	No data available
Solubility(ies)	:	

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

Water solubility : completely miscible

Partition coefficient: n-octanol/water : No data available

Vapour pressure : No data available

Relative density : No data available

Density : 1.01 g/cm<sup>3</sup>

### 9.2 Other information

Explosives : No data available

Oxidizing properties : No data available

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 : Incompatible with strong acids and bases.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

### SECTION 11: Toxicological information

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

##### Acute toxicity

Not classified based on available information.

Not classified due to lack of data.

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

##### Components:

##### **Alcohols, C9-11, ethoxylated:**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

##### **permethrin (ISO):**

Acute oral toxicity : LD50 Oral (Rat): 1,479 mg/kg  
Acute toxicity estimate: 500 mg/kg  
Method: Converted acute toxicity point estimate

Acute inhalation toxicity : LC50 (Rat): > 0.599 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rat): > 2,000 mg/kg

##### **3-iodo-2-propynyl butylcarbamate:**

Acute oral toxicity : LD50 Oral (Rat): >= > 300 - 500 mg/kg  
Method: OECD Test Guideline 423  
Acute toxicity estimate: 500 mg/kg  
Method: Converted acute toxicity point estimate

Acute inhalation toxicity : LC50 (Rat, male and female): 0.67 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

##### **propiconazole (ISO):**

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

LD50 Oral (Rat):  $\geq 1,517$  mg/kg

Acute dermal toxicity : LD50 (Rat):  $> 4,000$  mg/kg

### **1,2-benzisothiazol-3(2H)-one:**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

### **Skin corrosion/irritation**

Not classified based on available information.

Not classified due to lack of data.

### **Product:**

Remarks : May cause skin irritation and/or dermatitis.

### **Components:**

#### **Alcohols, C9-11, ethoxylated:**

Result : irritating

#### **permethrin (ISO):**

Species : Rabbit

Result : No skin irritation

#### **3-iodo-2-propynyl butylcarbamate:**

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

#### **1,2-benzisothiazol-3(2H)-one:**

Result : irritating

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

Causes serious eye irritation.

Causes serious eye irritation.

### **Product:**

Remarks : May cause irreversible eye damage.

### **Components:**

#### **Alcohols, C9-11, ethoxylated:**

Result : Corrosive

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

### **permethrin (ISO):**

Species	:	Rabbit
Result	:	No eye irritation

### **3-iodo-2-propynyl butylcarbamate:**

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Risk of serious damage to eyes.

### **1,2-benzisothiazol-3(2H)-one:**

Result	:	Corrosive
--------	---	-----------

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Skin sensitisation**

Not classified due to lack of data.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified due to lack of data.

### **Product:**

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

### **Components:**

#### **permethrin (ISO):**

Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	May cause sensitisation by skin contact.

#### **3-iodo-2-propynyl butylcarbamate:**

Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	May cause sensitisation by skin contact.

#### **propiconazole (ISO):**

Result	:	Probability or evidence of skin sensitisation in humans
--------	---	---

#### **1,2-benzisothiazol-3(2H)-one:**

Result	:	Probability or evidence of skin sensitisation in humans
--------	---	---

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version  
6.0

Revision Date:  
02.07.2024

SDS Number:  
MAT000465022  
IE/EN

Date of last issue: 13.06.2024  
Date of first issue: 22.11.2023

### Germ cell mutagenicity

Not classified based on available information.  
Not classified due to lack of data.

#### Components:

##### **permethrin (ISO):**

Genotoxicity in vitro : Result: negative

##### **3-iodo-2-propynyl butylcarbamate:**

Genotoxicity in vitro : Method: OECD Test Guideline 471  
Result: negative

Method: OECD Test Guideline 476  
Result: negative

Method: OECD Test Guideline 473  
Result: negative

### Carcinogenicity

Not classified based on available information.  
Not classified due to lack of data.

#### Components:

##### **permethrin (ISO):**

Remarks : No significant adverse effects were reported

### Reproductive toxicity

Not classified based on available information.  
Not classified due to lack of data.

#### Components:

##### **permethrin (ISO):**

Effects on fertility : No significant adverse effects were reported

Effects on foetal development : No significant adverse effects were reported

### STOT - single exposure

Not classified based on available information.  
Not classified due to lack of data.

### STOT - repeated exposure

Not classified based on available information.  
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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

### Components:

#### **permethrin (ISO):**

Remarks : No significant adverse effects were reported

#### **3-iodo-2-propynyl butylcarbamate:**

Target Organs : larynx  
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

### **Repeated dose toxicity**

### Components:

#### **3-iodo-2-propynyl butylcarbamate:**

Species : Rat  
NOAEL : 1,16 mg/m3  
Application Route : Inhalation  
Test atmosphere : dust/mist  
Exposure time : 13 w  
Number of exposures : 7 d/w  
Method : OECD Test Guideline 413  
GLP : yes  
Remarks : Subchronic toxicity

Species : Rat  
NOAEL : 20 mg/kg  
Application Route : Oral  
Exposure time : 2 yr  
Number of exposures : 7 d/w

### **Aspiration toxicity**

Not classified based on available information.  
Not classified due to lack of data.

## **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 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

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **permethrin (ISO):**

Toxicity to fish	:	LC50 (Fish): 0.0076 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 0.00017 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (algae): 0.5 mg/l Exposure time: 72 h
M-Factor (Acute aquatic toxicity)	:	1,000
M-Factor (Chronic aquatic toxicity)	:	1,000

##### **Ecotoxicology Assessment**

Acute aquatic toxicity	:	Very toxic to aquatic life.
Chronic aquatic toxicity	:	Very toxic to aquatic life with long lasting effects.

##### **3-iodo-2-propynyl butylcarbamate:**

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0.067 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): $\geq 0.16$ mg/l Exposure time: 48 h Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): $\geq 0.022$ mg/l Exposure time: 72 h Method: OECD Test Guideline 201  NOEC (Desmodesmus subspicatus (green algae)): 0.0046 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic tox-	:	10



# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

icity)

Toxicity to microorganisms : EC50 (Bacteria): 44 mg/l  
Exposure time: 3 h

Toxicity to fish (Chronic toxicity) : NOEC: 0.0084 mg/l  
Exposure time: 35 d  
Species: Pimephales promelas (fathead minnow)  
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.05 mg/l  
Exposure time: 21 d  
Species: Daphnia (water flea)

M-Factor (Chronic aquatic toxicity) : 1

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### propiconazole (ISO):

Toxicity to fish : LC50 (Salvelinus namaycush (lake trout)):  $\geq 5.3$  mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)):  $\geq 10.2$  mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : LC50 (algae):  $\geq 0.76$  mg/l  
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### 1,2-benzisothiazol-3(2H)-one:

### Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

### 12.2 Persistence and degradability

#### Components:

##### **permethrin (ISO):**

Biodegradability : Result: Not readily biodegradable.

##### **3-iodo-2-propynyl butylcarbamate:**

Biodegradability : Concentration: 0.02 mg/l  
Result: Biodegradable  
Biodegradation: > 80 %  
Exposure time: 1 d  
Method: OECD Test Guideline 302B

### 12.3 Bioaccumulative potential

#### Components:

##### **permethrin (ISO):**

Partition coefficient: n-octanol/water : log Pow: 5.95

##### **3-iodo-2-propynyl butylcarbamate:**

Partition coefficient: n-octanol/water : log Pow: 2.8

##### **1,2-benzisothiazol-3(2H)-one:**

Partition coefficient: n-octanol/water : log Pow: 1.3

### 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.

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

### 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. Dispose of as unused product. Do not re-use empty containers.
Waste Code	: 08 00 00, WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS 08 01 00, wastes from MFSU and removal of paint and varnish 08 01 11, waste paint and varnish containing organic solvents or other hazardous substances 15 00 00, WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED 15 01 00, packaging (including separately collected municipal packaging waste) 15 01 10, packaging containing residues of or contaminated by hazardous substances HP4, Irritant - skin irritation and eye damage HP14, Ecotoxic

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN	: UN 3082
ADR	: UN 3082
RID	: UN 3082
IMDG	: UN 3082

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

**IATA** : UN 3082

### 14.2 UN proper shipping name

**ADN** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(permethrin, 3-iodo-2-propynyl butylcarbamate)

**ADR** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(permethrin, 3-iodo-2-propynyl butylcarbamate)

**RID** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(permethrin, 3-iodo-2-propynyl butylcarbamate)

**IMDG** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(permethrin, 3-iodo-2-propynyl butylcarbamate)

**IATA** : Environmentally hazardous substance, liquid, n.o.s.  
(permethrin, 3-iodo-2-propynyl butylcarbamate)

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADN</b>	: 9	
<b>ADR</b>	: 9	
<b>RID</b>	: 9	
<b>IMDG</b>	: 9	
<b>IATA</b>	: 9	

### 14.4 Packing group

**ADN**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

**ADR**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (-)

**RID**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

**IMDG**

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

Packing group : III  
Labels : 9  
EmS Code : F-A, S-F

### IATA (Cargo)

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

### IATA (Passenger)

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

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : yes

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

### IATA (Passenger)

Environmentally hazardous : yes

### IATA (Cargo)

Environmentally hazardous : 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 75, 3
--	---

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

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). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : permethrin (ISO)  
propiconazole (ISO)

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Not applicable

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

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H302	: Harmful if swallowed.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H331	: Toxic if inhaled.
H360D	: May damage the unborn child.
H372	: Causes damage to organs through prolonged or repeated exposure.
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.

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



Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Repr.	:	Reproductive toxicity
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
IE OEL	:	Ireland. List of Chemical Agents and Carcinogens with Occupational Exposure Limit Values - Code of Practice, Schedule 1 and 2
IE OEL / OELV - 8 hrs (TWA)	:	Occupational exposure limit value (8-hour reference period)

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 - 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; TECI - 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

**Classification of the mixture:**

Eye Irrit. 2

H319

**Classification procedure:**

## Calculation method

# SAFETY DATA SHEET

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



## BELOCID PLUS

Version	Revision Date:	SDS Number:	Date of last issue: 13.06.2024
6.0	02.07.2024	MAT000465022	Date of first issue: 22.11.2023
		IE/EN	

Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	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.