

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



*Rivere Scientific Ltd*

Version	Revision Date:	Region: CZ	Date of last issue: 06.12.2022
4.1	24.12.2022	Language: EN	Date of first issue: 05.11.2020
			Print Date: 13.10.2023

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

### 1.1 Product identifier

Trade name BOLLWARK

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

Use of the Sub-stance/Mixture Fungicide

Uses advised against No data available.

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

Company RIVERE SCIENTIFIC LTD  
Berkeley Square House,  
Berkeley Square, London,  
WU 6BD, United Kingdom

Telephone +44 (0) 207 887 6024

E-mail address of person responsible for the SDS Litaozhou@foxmail.com

### 1.4 Emergency telephone number

For medical advice:  
+420 224919293; +420 224 915 402 (Toxicological Information Center)

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## 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.

Specific target organ toxicity - single exposure, Category 3, Respiratory system H335: May cause respiratory 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



Rivere Scientific Ltd

## BOLLWARK

Version	Revision Date:	SDS Number:	Date of last issue:
4.1	24.12.2022	106135	06.12.2022
		Region: CZ	Date of first issue: 05.11.2020
		Language: EN	Print Date: 13.10.2023

### 2.2 Label elements

Labelling (REGULATION (EC) No J272/2008)

Hazard pictograms



GHS07

GHS09

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

**Prevention:**

P261 Avoid breathing vapours/ spray.  
P280 Wear protective gloves/ protective clothing/ eye protection.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P391 Collect spillage.

**Disposal:**

P501 Dispose of contents / container to an authorized person

Hazardous components which must be listed on the label

N,N-Dimethyldecanamide

### Additional Labelling

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

### 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Rivere Scientific Ltd

## BOLLWARK

Version 4.1      Revision Date: 24.12.2022      SDS Number: 106135      Date of last issue: 06.12.2022  
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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

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

##### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
N,N-Dimethyldecanamide	14433-76-2 238-405-1 01-2119485027-36	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 3; H412	>= 50 - < 70
prothioconazole	178928-70-6 613-337-00-9	Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1	>= 25 - < 30

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice

Take off all contaminated clothing immediately.  
Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.  
When symptoms persist or in all cases of doubt seek medical advice.

If inhaled

If inhaled, remove to fresh air.

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		Language: EN	

---

In case of skin contact	In case of skin contact Wash off with plenty of water.
In case of eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye.
If swallowed	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

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

Symptoms	No information available.
Risks	Causes serious eye irritation. May cause respiratory irritation.

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

Treatment	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media	Alcohol-resistant foam Dry chemical Carbon dioxide (CO <sub>2</sub> ) Water spray
Unsuitable extinguishing media	High volume water jet

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

Hazardous combustion products	No hazardous combustion products are known
	In the event of fire, the following can be released: Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide Nitrogen oxides (NO <sub>x</sub> ) Sulphur oxides Hydrogen cyanide (HCN)

#### 5.3 Advice for firefighters

Special protective equipment	In the event of fire, wear self-contained breathing apparatus.
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# SAFETY DATA SHEET

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Version	Revision Date:	SDS Number:	Date of last issue:
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---

for firefighters	Use personal protective equipment.
Further information	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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### SECTION 6: Accidental release measures

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

Personal precautions	Refer to protective measures listed in sections 7 and 8.
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#### 6.2 Environmental precautions

Environmental precautions	Do not flush into surface water or sanitary sewer system. Do not allow uncontrolled discharge of product into the environment. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.
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#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
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#### 6.4 Reference to other sections

Information regarding safe handling, see chapter 7. For personal protection see section 8. For disposal considerations see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling	Handle with care. Avoid inhalation, ingestion and contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms.
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Advice on protection against fire and explosion	: Keep away from heat and sources of ignition.
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Hygiene measures	Avoid contact with skin, eyes and clothing. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and at the end of workday. Wash hands before eating, drinking, or smoking.
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#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage	Keep containers tightly closed in a dry, cool and well-
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---

areas and containers	ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers.  Keep away from heat. Keep away from direct sunlight. Always keep in containers of same material as the original.
Advice on common storage	Substances to be avoided, pis. See chapter 10.
Recommended storage temperature	0 - 30 °C
Packaging material	Suitable material: Plastic container of HDPE

7.3 Specific end use(s)  
Specific use(s) No data available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

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

Substance name	End Use	Exposure routes	Potential health effects	Value
N,N-dimethyldecan-1-amide	Workers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	166,67 mg/m <sup>3</sup>
		Dermal	Long-term exposure, Chronic effects, Systemic effects	23,81 mg/kg
	Consumers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	50 mg/m <sup>3</sup>
		Dermal	Long-term exposure, Chronic effects, Systemic effects	14,29 mg/kg
	Consumers	Oral	Long-term exposure, Chronic effects, Systemic effects	14,29 mg/kg

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

Substance name	Environmental Compartment	Value
N,N-dimethyldecan-1-amide	Fresh water	0,028 mg/l
	Marine water	0,0028 mg/l
	Aqua intermittent	0,077 mg/l

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	Fresh water sediment	0,335 mg/kg dry weight (d.w.)
	Other environmental compartments	0,0335 mg/kg dry weight (d.w.)
	Soil	5,3 mg/kg
	Sewage treatment plant	2,12 mg/l
	Secondary poisoning: mammal	12,71 mg/kg food

### 8.2 Exposure controls

#### Engineering measures

Effective exhaust ventilation system

Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection

Safety glasses with side-shields  
Equipment should conform to EN 166

Hand protection

Remarks

Protective gloves complying with EN 374. Gloves must be inspected prior to use. 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. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Material

Break through time

Glove thickness

Nitrile rubber

> 480 min

> 0,4 mm

Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Preventive skin protection

Respiratory protection

Apply technical measures to comply with the occupational exposure limits.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Filter type

A (DIN EN 140)

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*Rivere Scientific Ltd*

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4.1	24.12.2022	106135	Date of first issue: 05.11.2020
		Region: CZ	Print Date: 13.10.2023
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---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
COLOUR	brown, clear
Odour	mild
Odour Threshold	No data available
Melting point/freezing point	No data available
Boiling point/boiling range	No data available
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Flash point	> 100 °C Method: EEC A9
Auto-ignition temperature	No data available
pH	ca. 5,9 (20 °C) Concentration: 1 / Method: CIPAC MT 75.3
Viscosity	
Viscosity, dynamic	87 mPa.s (20 °C) Method: OECD Test Guideline 114
	23 mPa.s (40 °C) Method: OECD Test Guideline 114
Viscosity, kinematic	86 mm <sup>2</sup> /s (20 °C) Method: OECD Test Guideline 114
Solubility(ies)	
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Vapour pressure	No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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4.1	24.12.2022	106135	Date of first issue: 05.11.2020
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---

Relative density	No data available
Density	ca. 1,01 g/cm <sup>3</sup> (20 °C) Method: EEC A3
Relative vapour density	No data available
Particle characteristics Particle size	Not applicable

## 9.2 Other information

Explosives	Not explosive
Oxidizing properties	not oxidizing
Self-ignition	241 °C Method: EEC A.15
Surface tension	28,7 mN/m, 19,9 °C, OECD Test Guideline 115

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	No dangerous reaction known under conditions of normal use.
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### 10.4 Conditions to avoid

Conditions to avoid	Keep away from open flames, hot surfaces and sources of ignition.
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### 10.5 Incompatible materials

Materials to avoid	Oxidizing agents
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### 10.6 Hazardous decomposition products

None, when used as directed.

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Rivere Scientific Ltd

## BOLLWARK

Version	Revision Date:	SDS Number:	Date of last issue: 06.12.2022
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		Region: CZ	Print Date: 13.10.2023
		Language: 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.

##### Components:

##### **N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

Acute oral toxicity	LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 420 Remarks: Source: ECHA
Acute inhalation toxicity	LC50 (Rat): > 3,551 mg/l Exposure time: 4 h Test atmosphere: Mist Method: OECD Test Guideline 403 Remarks: Based on available data, the classification criteria are not met. Source: ECHA
Acute dermal toxicity	LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 402 Remarks: Source: ECHA

##### Skin corrosion/irritation

Not classified based on available information.

##### Product:

Species	Rabbit
Result	No skin irritation
Remarks	Analogous to product with a similar composition.

##### Components:

##### **N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

Species	Rabbit
Method	OECD Test Guideline 404
Result	irritant
Test substance	CAS 67359-57-3
Remarks	Source: ECHA

Serious eye damage/eye irritation  
Causes serious eye irritation.

##### Product:

Species	Rabbit
Result	irritating

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Version	Revision Date:	SDS Number:	Date of last issue:
4.1	24.12.2022	106135	06.12.2022
		Region: CZ	Date of first issue: 05.11.2020
		Language: EN	Print Date: 13.10.2023

Remarks Analogous to product with a similar composition.

### Components:

**N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

Species	Rabbit
Method	OECD Test Guideline 405
Result	irritant
Remarks	Source: ECHA

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### Product:

Exposure routes	Dermal
Species	Guinea pig
Method	OECD Test Guideline 406
Result	non-sensitizing
Remarks	Analogous to product with a similar composition.

### Components:

**N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1:**

Exposure routes	Dermal
Species	Guinea pig
Method	OECD Test Guideline 406
Result	non-sensitizing
Remarks	Source: ECHA

### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

**N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

Genotoxicity in vitro	Test system: Salmonella typhimurium
	Method: OECD Test Guideline 471
	Remarks: Based on available data, the classification criteria are not met.
	Source: ECHA

### **Carcinogenicity**

Not classified based on available information.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Rivere Scientific Ltd

## BOLLWARK

Version	Revision Date:	SDS Number:	Date of last issue: 06.12.2022
4.1	24.12.2022	106135	Date of first issue: 05.11.2020
		Region: CZ	Print Date: 13.10.2023
		Language: EN	

### Reproductive toxicity

Not classified based on available information.

### Components:

**N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

Effects on foetal development

Species: Rat

Method: OECD Test Guideline 414

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

Source: ECHA

Reference substance: CAS 67359-57-3

STOT - single exposure

May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

### Repeated dose toxicity

### Components:

**N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

Species

Dog

Application Route

Oral

Method

OECD Test Guideline 409

Test substance

CAS 67359-57-3

Assessment

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

Remarks

Source: ECHA

### Aspiration toxicity

Not classified based on available information.

## 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Rivere Scientific Ltd

## BOLLWARK

Version	Revision Date:	SDS Number:	Date of last issue: 06.12.2022
4.1	24.12.2022	106135	Date of first issue: 05.11.2020
		Region: CZ	Print Date: 13.10.2023
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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

**N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

Toxicity to fish LC50 (Danio rerio (zebra fish)): 14,8 mg/l  
Exposure time: 96 h  
Test substance: CAS 67359-57-3  
Method: OECD Test Guideline 203  
Remarks: Source: ECHA

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 7,7 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Test substance: CAS 67359-57-3  
Method: EPA OTS 797.1300  
Remarks: Source: ECHA

Toxicity to algae/aquatic EC50 (Pseudokirchneriella subcapitata): 16,06 mg/l  
plants  
Exposure time: 72 h  
Test substance: CAS 67359-57-3  
Method: OECD Test Guideline 201  
Remarks: Source: ECHA

Toxicity to microorganisms EC50 (activated sludge): 212,3 mg/l  
Exposure time: 3 h  
Test substance: CAS 67359-57-3  
Method: OECD Test Guideline 209  
Remarks: Source: ECHA

Toxicity to fish (Chronic tox- NOEC:  $\geq 0,71$  mg/l  
icity)  
Exposure time: 35 d  
Species: Danio rerio (zebra fish)  
Method: OECD Test Guideline 210  
Remarks: Source: ECHA

**prothioconazole (ISO), CAS: 178928-70-6**

M-Factor (Acute aquatic tox- 10  
icity)

M-Factor (Chronic aquatic 1  
toxicity)

#### 12.2 Persistence and degradability

##### Components:

**N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Rivere Scientific Ltd

## BOLLWARK

Version	Revision Date:	SDS Number:	Date of last issue:
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		Language: EN	Print Date: 13.10.2023

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Biodegradability	Result: Readily biodegradable. Biodegradation: 60,15 % Related to: aerobic Exposure time: 11 d Method: OECD Test Guideline 301B Remarks: Source: ECHA
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Stability in water	Degradation half life: 462 d (25 °C) pH: 7 Hydrolysis: ca. Method: EPA N 161-1 Remarks: Hydrolysis Source: ECHA
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### 12.3 Bioaccumulative potential

#### Components:

**N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

Partition coefficient: n-octanol/water	log Pow: 3,44 Method: QSAR Remarks: Source: ECHA
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### 12.4 Mobility in soil

#### Components:

**N,N-dimethyldecan-1-amide, CAS: 14433-76-2, EINECS: 238-405-1**

Distribution among environmental compartments	Koc: 2,72 Method: OECD Test Guideline 106 Remarks: Source: ECHA
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### 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.
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### 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.
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# SAFETY DATA SHEET

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		Language: EN	Print Date: 13.10.2023

### 12.7 Other adverse effects

**Product:**

Environmental fate and pathways

Do not discharge into the drains or waters and do not store on public depositories.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product

In accordance with local and national regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Avoid discharge to drain or surface water.

Contaminated packaging

Packaging that is not properly emptied must be disposed of as the unused product.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN	UN 3082
ADR	UN 3082
RID	UN 3082
<b>IMDG</b>	UN 3082
<b>IATA</b>	UN 3082

### 14.2 UN proper shipping name

ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (prothioconazole)
ADR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (prothioconazole)
RID	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (prothioconazole)
<b>IMDG</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (prothioconazole)
<b>IATA</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (prothioconazole)

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according to Regulation (EC) No. 1907/2006



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## 14.3 Transport hazard class(es)

ADN	9
ADR	9
RID	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
<b>IMDG</b>	
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 Dangerous Goods
IATA (Passenger)	
Packing instruction (passenger aircraft)	964
Packing instruction (LQ)	Y964
Packing group	III
Labels	Miscellaneous Dangerous Goods

## 14.5 Environmental hazards

### ADN

Environmentally hazardous	yes
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# SAFETY DATA SHEET

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Version	Revision Date:	SDS Number:	Date of last issue:
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		Language: EN	Print Date: 13.10.2023

### 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 3
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	Not listed
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	Not listed
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	Not listed
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	Not listed
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	ENVIRONMENTAL HAZARDS

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Rivere Scientific Ltd

## BOLLWARK

Version	Revision Date:	SDS Number:	Date of last issue: 06.12.2022
4.1	24.12.2022	106135	Date of first issue: 05.11.2020
		Region: CZ	Print Date: 13.10.2023
		Language: EN	

### Other regulations:

Adhere to the national sanitary and occupational safety regulations when using this product.

National regulations CZ

Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP)

Regulation of the European Parliament and Council Regulation (EC) No 286/2011 amending, for the purposes of its adaptation to technical progress, Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP)

Act No. 350/2011 Sb. on chemical substances and chemical mixtures, as amended

Act No. 258/2000 Sb. the protection of public health, as amended

Act No. 262/2006 Sb. The Labour Code, as amended

Law No. 201/2012 Sb. On air protection, as amended

Act No. 254/2001 Sb. Water, as amended

Government Regulation No. 361/2007 Sb. Laying down the conditions of health of workers at work, as amended

Act No. 185/2001 Sb. On waste, as amended

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

TCSI	Not in compliance with the inventory
TSCA	Product contains substance(s) not listed on TSCA inventory.
AIIC	Not in compliance with the inventory
DSL	This product contains one or several components that are not on the Canadian DSL nor NDSL.
ENCS	Not in compliance with the inventory
ISHL	Not in compliance with the inventory
KECI	Not in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	Not in compliance with the inventory
NZIoC	Not in compliance with the inventory
TECI	Not in compliance with the inventory

Regulation (EC) Nr. 1107/2009 concerning the placing of plant protection products on the market

SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains)

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from farmyards and roads).

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

### Sources of key data used to compile the Safety Data Sheet

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case. EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

### Full text of H-Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Acute	Short-term (acute) aquatic hazard
Aquatic Chronic	Long-term (chronic) aquatic hazard
Eye Irrit.	Eye irritation
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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;

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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

Other information Safety data sheet according to regulation (EC) No. 2020/878

#### Classification of the mixture:

Eye Irrit. 2	H319
STOT SE 3	H335
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

#### Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method

CZ/EN