

# Safety data sheet

Page: 1/12

BASF Safety data sheet  
Date / Revised: 20.06.2021  
Product: **SERCADIS**

Version: 3.0

(10962921/SDS\_CPA\_AU/EN)

Date of print 27.07.2022

## 1. Substance/preparation and manufacturer/supplier identification

### SERCADIS

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)  
Level 12, 28 Freshwater Place Southbank  
Victoria 3006, AUSTRALIA  
Telephone: +61 3 8855-6600  
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]  
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

Classification of the substance and mixture:

Reproductive toxicity: Cat. Additional category for effects on or via lactation.

Hazardous to the aquatic environment - acute: Cat. 1

Hazardous to the aquatic environment - chronic: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:

Warning

Hazard Statement:

BASF Safety data sheet  
Date / Revised: 20.06.2021  
Product: **SERCADIS**

Version: 3.0

(10962921/SDS\_CPA\_AU/EN)

Date of print 27.07.2022

H362 May cause harm to breast-fed children.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statement:**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.

**Precautionary Statements (Prevention):**

P260 Do not breathe dust or mist.  
P263 Avoid contact during pregnancy and while nursing.  
P270 Do not eat, drink or smoke when using this product.  
P264 Wash contaminated body parts thoroughly after handling.

**Precautionary Statements (Response):**

P391 Collect spillage.  
P308 + P313 IF exposed or concerned: Get medical attention.

**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

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

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

May produce an allergic reaction. Contains: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 2-METHYL-2H-ISOTHIAZOL-3-ONE

### 3. Composition/information on ingredients

**Chemical nature**

fungicide, suspension concentrate (SC)

**Hazardous ingredients****| Fluxapyroxad**

Content (W/W): 26.53 %  
CAS Number: 907204-31-3

Repr.: Cat. Add. cat. lact.  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1

**| 1,2-benzisothiazol-3(2H)-one**

BASF Safety data sheet  
Date / Revised: 20.06.2021  
Product: **SERCADIS**

Version: 3.0

(10962921/SDS\_CPA\_AU/EN)

Date of print 27.07.2022

Content (W/W): < 0.01 %  
CAS Number: 2634-33-5

Acute Tox.: Cat. 4 (oral)  
Skin Corr./Irrit.: Cat. 2  
Eye Dam./Irrit.: Cat. 1  
Skin Sens.: Cat. 1  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

| 2-methyl-2H-isothiazol-3-one

Content (W/W): < 0.01 %  
CAS Number: 2682-20-4

Acute Tox.: Cat. 2 (Inhalation - dust)  
Acute Tox.: Cat. 3 (oral)  
Acute Tox.: Cat. 3 (dermal)  
Skin Corr./Irrit.: Cat. 1B  
Eye Dam./Irrit.: Cat. 1  
Skin Sens.: Cat. 1A  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 10  
M-factor chronic: 1

#### 4. First-Aid Measures

General advice:

| Remove contaminated clothing.

If inhaled:

| Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

| Wash thoroughly with soap and water

On contact with eyes:

| Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

| Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

| Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

#### 5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

Specific hazards:

carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides, halogenated compounds, sulfur oxides, silica compounds

The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

Personal precautions:

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Dispose of absorbed material in accordance with regulations. Wear suitable protective equipment.

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## 7. Handling and Storage

### Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

### Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Storage stability:

Storage duration: 36 Months

BASF Safety data sheet  
Date / Revised: 20.06.2021  
Product: **SERCADIS**

Version: 3.0

(10962921/SDS\_CPA\_AU/EN)

Date of print 27.07.2022

Protect from temperatures below: -10 °C  
Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.  
Protect from temperatures above: 40 °C  
Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

No occupational exposure limits known.

### Personal protective equipment

Respiratory protection:  
Respiratory protection not required.

Hand protection:  
Chemical resistant protective gloves

Eye protection:  
Eye protection not required.

Body protection:  
Standard work clothes and shoes.

General safety and hygiene measures:  
Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Wash contaminated clothing before reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Before eating, drinking, or smoking, wash face and hands with soap and water.

## 9. Physical and Chemical Properties

Form: liquid  
Colour: off-white, pink tint  
Odour: faint odour, fruity  
Odour threshold: Not determined due to potential health hazard by inhalation.

pH value: approx. 6 - 8 (pH Meter)  
(1 % (m), approx. 20 °C)

crystallization temperature: -5.5 °C (measured)  
Boiling point: approx. 100 °C  
Information applies to the solvent.

Flash point: Non-flammable.

Evaporation rate: not applicable

Flammability (solid/gas):	not applicable	
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.	
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.	
Ignition temperature:	> 650 °C	(Directive 92/69/EEC, A.15)
Thermal decomposition:	305 °C , 90 kJ/kg	(DSC (OECD 113))
	395 °C , 20 kJ/kg	(DSC (OECD 113))
	Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	(Directive 2004/73/EC, A.21)
Vapour pressure:	approx. 23 hPa (20 °C) Information applies to the solvent.	
Density:	approx. 1.13 g/cm <sup>3</sup> (approx. 20 °C)	(OECD Guideline 109)
Relative density:	1.131 (20 °C)	(calculated)
Relative vapour density (air):	not applicable	
Solubility in water:	dispersible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Viscosity, dynamic:	39 mPa.s (20 °C, 100 1/s)	(OECD 114)

## Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

## 10. Stability and Reactivity

## Conditions to avoid:

See SDS section 7 - Handling and storage.

BASF Safety data sheet  
Date / Revised: 20.06.2021  
Product: **SERCADIS**

Version: 3.0

(10962921/SDS\_CPA\_AU/EN)

Date of print 27.07.2022

Thermal decomposition: 305 °C, 90 kJ/kg (DSC (OECD 113))

Thermal decomposition: 395 °C, 20 kJ/kg (DSC (OECD 113))  
Not a substance liable to self-decomposition according to  
UN transport regulations, class 4.1.

Substances to avoid:  
strong acids, strong bases, strong oxidizing agents

Hazardous reactions:  
No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:  
No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Experimental/calculated data:  
LD50 rat (oral): > 2,000 mg/kg (OECD Guideline 423)  
No mortality was observed.

LC50 rat (by inhalation): > 5.9 mg/l 4 h (OECD Guideline 403)  
No mortality was observed. An aerosol with respirable particles was tested.

LD50 rat (dermal): > 5,000 mg/kg (OECD Guideline 402)  
No mortality was observed.

### Irritation

Assessment of irritating effects:  
Not irritating to the eyes. Not irritating to the skin.

Experimental/calculated data:  
Skin corrosion/irritation rabbit: (OECD Guideline 404)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

### Respiratory/Skin sensitization

Assessment of sensitization:  
There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:  
Buehler test guinea pig: (OECD Guideline 406)

### Germ cell mutagenicity

**Assessment of mutagenicity:**

Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

**Carcinogenicity****Assessment of carcinogenicity:**

The product has not been tested. The statement has been derived from the properties of the individual components.

**Information on: Fluxapyroxad****Assessment of carcinogenicity:**

Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part.

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**Reproductive toxicity****Assessment of reproduction toxicity:**

The product has not been tested. The statement has been derived from the properties of the individual components.

**Information on: Fluxapyroxad****Assessment of reproduction toxicity:**

The results of animal studies gave no indication of a fertility impairing effect. May cause harm to children via breast-feeding.

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**Developmental toxicity****Assessment of teratogenicity:**

Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals. The product has not been tested. The statement has been derived from the properties of the individual components.

**Specific target organ toxicity (single exposure):****Assessment of STOT single:**

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

**Repeated dose toxicity and Specific target organ toxicity (repeated exposure)****Assessment of repeated dose toxicity:**

The product has not been tested. The statement has been derived from the properties of the individual components.

**Information on: Fluxapyroxad****Assessment of repeated dose toxicity:**

Adaptive effects were observed after repeated exposure in animal studies.

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### Aspiration hazard

No aspiration hazard expected.

The product has not been tested. The statement has been derived from the properties of the individual components.

### Other relevant toxicity information

Misuse can be harmful to health.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

Toxicity to fish:

LC50 (96 h) 0.97 mg/l, *Cyprinus carpio* (OECD 203; ISO 7346; 84/449/EEC, C.1, static)

Nominal concentration.

Aquatic invertebrates:

EC50 (48 h) 109.23 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Nominal concentration.

Aquatic plants:

EC50 (72 h) 13.12 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)

Nominal concentration.

EC10 (72 h) 1.72 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)

Nominal concentration.

Information on: Fluxapyroxad

Chronic toxicity to fish:

No observed effect concentration (33 d) 0.0359 mg/l, *Pimephales promelas* (OECD Guideline 210, Flow through.)

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Information on: Fluxapyroxad

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), 0.5 mg/l, *Daphnia magna* (OECD Guideline 211, semistatic)

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### Mobility

Assessment transport between environmental compartments:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fluxapyroxad

Assessment transport between environmental compartments:

(10962921/SDS\_CPA\_AU/EN)

Date of print 27.07.2022

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fluxapyroxad  
Assessment biodegradation and elimination (H<sub>2</sub>O):  
Not readily biodegradable (by OECD criteria).

### **Bioaccumulation potential**

Assessment bioaccumulation potential:  
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fluxapyroxad  
Bioaccumulation potential:  
Bioconcentration factor: 36 - 37 (28 d), Lepomis macrochirus (OECD-Guideline 305)  
Does not accumulate in organisms.

### **Additional information**

Other ecotoxicological advice:  
Do not discharge product into the environment without control.

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## **13. Disposal Considerations**

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## **14. Transport Information**

### **Domestic transport:**

Packing group:	III
ID number:	UN 3082
Transport hazard class(es):	9, EHS
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FLUXAPYROXAD)

### **Further information**

Hazchem Code:3Z

BASF Safety data sheet  
Date / Revised: 20.06.2021  
Product: **SERCADIS**

Version: 3.0

(10962921/SDS\_CPA\_AU/EN)

Date of print 27.07.2022

IERG Number:47

**Sea transport**

## IMDG

Packing group: III  
ID number: UN 3082  
Transport hazard class(es): 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains FLUXAPYROXAD)

**Air transport**

## IATA/ICAO

Packing group: III  
ID number: UN 3082  
Transport hazard class(es): 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains FLUXAPYROXAD)

**Further information**

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 kg(L) or IBCs.

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**15. Regulatory Information****Other regulations**

To avoid risks to man and the environment, comply with the instructions for use.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5

APVMA Registration Number: 85638

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**16. Other Information**

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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