

# Safety data sheet

Page: 1/9

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BASF Safety data sheet  
Date / Revised: 27.03.2022  
Product: DANISARABA MITICIDE

Version: 1.0

(1029635/SDS\_CPA\_AU/EN)

Date of print 28.03.2022

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

### DANISARABA MITICIDE

Recommended use: crop protection product

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]

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## 2. Hazard identification

Label elements and precautionary statement:

The product does not require a hazard warning label in accordance with GHS criteria.

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## 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

crop protection product, insecticide, suspension concentrate (SC)

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#### Hazardous ingredients

Cyflumetofen (ISO); 2-methoxyethyl (RS)-2-(4-tert-butylphenyl)-2-cyano-3-oxo-3-( $\alpha,\alpha,\alpha$ -trifluoro-o-tolyl) propionate

Content (W/W): 18.73 %  
CAS Number: 400882-07-7

Skin Sens.: Cat. 1A  
Carc.: Cat. 2

bentonite

Content (W/W): < 5 %  
CAS Number: 1302-78-9

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## 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.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

Specific hazards:

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

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.

BASF Safety data sheet  
Date / Revised: 27.03.2022  
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Further information:

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. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

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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.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental 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: 24 Months

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## 8. Exposure controls and personal protection

Components with occupational exposure limits

No substance specific occupational exposure limits known.

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (e. g. EN 14387 Type ABEK-P3)

#### Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: milky white  
 Odour: odourless  
 Odour threshold: not applicable, odour not perceivable

pH value: 6 - 8

Melting point: < 20 °C  
 onset of boiling: approx. 99 °C

Flash point: (Directive 92/69/EEC, A.9)  
 No flash point - Measurement made up to the boiling point.

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:	430 °C	
Thermal decomposition:	175 °C , 80 kJ/kg	(DSC (OECD 113))
	310 °C , 50 kJ/kg	(DSC (OECD 113))
	400 °C , > 120 kJ/kg	(DSC (OECD 113))
Explosion hazard:	Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.	
Fire promoting properties:	not explosive not fire-propagating	
Vapour pressure:	approx. 23.4 hPa (20 °C) Information applies to the solvent.	
Density:	approx. 1.07 g/cm <sup>3</sup> (20 °C)	
	1.06 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	not applicable	
Solubility in water:	dispersible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Viscosity, dynamic:	16 - 23 mPa.s (20 °C)	

## 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.

Thermal decomposition:	175 °C, 80 kJ/kg (DSC (OECD 113))
Thermal decomposition:	310 °C, 50 kJ/kg (DSC (OECD 113))
Thermal decomposition:	400 °C, > 120 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:  
Slightly toxic after single ingestion. Relatively nontoxic after short-term skin contact. Relatively nontoxic after short-term inhalation.

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

LC50 rat (by inhalation): > 5.01 mg/m<sup>3</sup> 4 h

LD50 rat (dermal): > 2,000 mg/kg

### Irritation

Assessment of irritating effects:  
May cause slight irritation to the skin. May cause slight but temporary irritation to the eyes.

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

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

### Respiratory/Skin sensitization

Assessment of sensitization:  
Skin sensitizing effects were not observed in animal studies.

### Germ cell mutagenicity

Information on: Cyflumetofen (ISO); 2-methoxyethyl (RS)-2-(4-tert-butylphenyl)-2-cyano-3-oxo-3-( $\alpha,\alpha,\alpha$ -trifluoro-*o*-tolyl) propionate  
Assessment of mutagenicity:  
Mutagenicity tests revealed no genotoxic potential.  
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### Carcinogenicity

Assessment of carcinogenicity:  
No carcinogenic effects reported.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

### **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:

No known chronic effects.

### **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**

Toxicity to fish:

LC50 (96 h) > 5.0 mg/l, *Oncorhynchus mykiss*

Aquatic invertebrates:

EC50 (48 h) > 5.0 mg/l, *Daphnia magna*

Aquatic plants:

ErC50 (72 h) > 5.0 mg/l, *Pseudokirchneriella subcapitata*

## 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: Cyflumetofen (ISO); 2-methoxyethyl (RS)-2-(4-tert-butylphenyl)-2-cyano-3-oxo-3-( $\alpha,\alpha,\alpha$ -trifluoro-*o*-tolyl) propionate

Assessment transport between environmental compartments:

Adsorption to solid soil phase is 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: Cyflumetofen (ISO); 2-methoxyethyl (RS)-2-(4-tert-butylphenyl)-2-cyano-3-oxo-3-( $\alpha,\alpha,\alpha$ -trifluoro-*o*-tolyl) propionate

## 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: Cyflumetofen (ISO); 2-methoxyethyl (RS)-2-(4-tert-butylphenyl)-2-cyano-3-oxo-3-( $\alpha,\alpha,\alpha$ -trifluoro-*o*-tolyl) propionate

Bioaccumulation potential:

Bioconcentration factor: < 100, *Cyprinus carpio*

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:**



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Not classified as a dangerous good under transport regulations

**Sea transport**  
IMDG

Not classified as a dangerous good under transport regulations

**Air transport**  
IATA/ICAO

Not classified as a dangerous good under transport regulations

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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 Approval No: 89701

Additional information in relation to the ecotoxicity data in Section 12:

Affect was not observed at the concentration under the water solubility of active ingredient 28 ai µg/l  
(0.14 mg product/l)

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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.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.