

# Safety data sheet

Page: 1/12

BASF Safety data sheet  
Date / Revised: 10.11.2016  
Product: **INTERVIX HERBICIDE**

Version: 2.0

(30608242/SDS\_CPA\_AU/EN)

Date of print 11.11.2016

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

### INTERVIX HERBICIDE

Use: herbicide

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:

| 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

BASF Safety data sheet  
Date / Revised: 10.11.2016  
Product: **INTERVIX HERBICIDE**

Version: 2.0

(30608242/SDS\_CPA\_AU/EN)

Date of print 11.11.2016

**Hazard Statement:**

| Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**Precautionary Statements (Response):**

| Collect spillage.

**Precautionary Statements (Disposal):**

| Dispose of contents/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

### 3. Composition/information on ingredients

**Chemical nature**

herbicide, Soluble concentrate (SL)

Preparation based on: imazapyr, 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, ammonium salts

**Hazardous ingredients****| imazamox**

Content (W/W): 3.1 %  
CAS Number: 114311-32-9

Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor chronic: 10

**| imazapyr**

Content (W/W): 1.4 %  
CAS Number: 81334-34-1

Eye Dam./Irrit.: Cat. 2A  
Aquatic Acute: Cat. 3  
Aquatic Chronic: Cat. 3

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

Content (W/W): < 0.05 %  
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  
M-factor acute: 10

### 4. First-Aid Measures

**General advice:**

| Remove contaminated clothing.

If inhaled:

| Keep patient calm, remove to fresh air.

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:

| Rinse mouth and then drink plenty of water.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

| Treatment: Symptomatic treatment (decontamination, vital functions).

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

Specific hazards:

carbon monoxide, ammonia, carbon dioxide, nitrogen 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.

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.

---

## 6. Accidental Release Measures

Personal precautions:

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

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.

---

## 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.

Protect from temperatures below: -10 °C

The product can crystallize below the limit temperature.

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:

Body protection not required.

**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: yellow to amber  
Odour: aliphatic  
Odour threshold: Not determined due to potential health hazard by inhalation.

pH value: approx. 5 - 7  
(approx. 20 °C)  
(measured with the undiluted substance)

solidification temperature: approx. -14 °C  
(1,013.3 hPa)

Boiling point: approx. 100 °C  
(1,013.3 hPa)  
Information applies to the solvent.

Flash point: Non-flammable.

Evaporation rate: not applicable

Flammability (solid/gas): not flammable  
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: 398 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Explosion hazard: Based on the chemical structure there is no indicating of explosive properties.

BASF Safety data sheet  
Date / Revised: 10.11.2016  
Product: **INTERVIX HERBICIDE**

Version: 2.0

(30608242/SDS\_CPA\_AU/EN)

Date of print 11.11.2016

Fire promoting properties: Based on its structural properties the product is not classified as oxidizing.

Vapour pressure: approx. 23.4 hPa  
(20 °C)  
Information applies to the solvent.

Density: approx. 1.08 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
not applicable

Solubility in water: soluble  
Partitioning coefficient n-octanol/water (log Pow):  
not applicable

Viscosity, dynamic: approx. 83 mPa.s  
(20 °C)  
not determined

**Other Information:**

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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

---

## 10. Stability and Reactivity

Conditions to avoid:  
See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
strong bases, strong acids, 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.

---

## 11. Toxicological Information

### Acute toxicity

**Assessment of acute toxicity:**

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg (OECD Guideline 401)

LC50 rat (by inhalation): > 6.18 mg/l 4 h (OECD Guideline 403)

LD50 rabbit (dermal): > 5,000 mg/kg (OECD Guideline 402)

### **Irritation**

Assessment of irritating effects:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Not irritating to the eyes. Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit:

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

### **Respiratory/Skin sensitization**

Assessment of sensitization:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. 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:

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

### **Carcinogenicity**

Assessment of carcinogenicity:

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

### **Reproductive toxicity**

Assessment of reproduction toxicity:

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

### **Developmental toxicity**

Assessment of teratogenicity:

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

| The product contains: 1,2-benzisothiazol-3(2H)-one

May produce an allergic reaction.

### 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. No substance-specific organotoxicity was observed after repeated administration to animals.

### 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.

---

## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

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

Information on: imazapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1 H-imidazol-2-yl]-3-pyridine carboxylate

Toxicity to fish:

LC50 (96 h) > 100 mg/l, *Oncorhynchus mykiss*

Information on: imazamox

Toxicity to fish:

LC50 (96 h) > 119 mg/l, *Lepomis macrochirus*  
 -----

Information on: imazapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1 H-imidazol-2-yl]-3-pyridine carboxylate

Aquatic invertebrates:

EC50 (48 h) > 100 mg/l, *Daphnia magna*



| Information on: imazamox  
Aquatic invertebrates:  
| EC50 (48 h) > 100 mg/l, Daphnia magna  
-----

| Information on: imazapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1 H-imidazol-2-yl]-3-  
pyridine carboxylate  
Aquatic plants:  
| EC50 (7 d) 11.7 mg/l, Anabaena flos-aquae

| No observed effect concentration 5.26 mg/l, Anabaena flos-aquae

| Information on: imazamox  
Aquatic plants:  
| EC10 (7 d) 0.0095 mg/l, Lemna gibba

| EC50 (72 h) 29.1 mg/l (growth rate), Pseudokirchneriella subcapitata

| EC50 (7 d) 0.031 mg/l (growth rate), Lemna gibba  
-----

| Information on: imazapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1 H-imidazol-2-yl]-3-  
pyridine carboxylate  
Chronic toxicity to fish:  
| No observed effect concentration (33 d) 118 mg/l, Oncorhynchus mykiss

| Information on: imazamox  
Chronic toxicity to fish:  
| No observed effect concentration (96 d) 11.8 mg/l, Oncorhynchus mykiss  
-----

| Information on: imazapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1 H-imidazol-2-yl]-3-  
pyridine carboxylate  
Chronic toxicity to aquatic invertebrates:  
| No observed effect concentration (21 d), 97.1 mg/l, Daphnia magna

| Information on: imazamox  
Chronic toxicity to aquatic invertebrates:  
| No observed effect concentration (21 d), 137 mg/l, Daphnia magna  
-----

## 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: imazamox

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.

(30608242/SDS\_CPA\_AU/EN)

Date of print 11.11.2016

Information on: imazapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1 H-imidazol-2-yl]-3-pyridine carboxylate  
Assessment transport between environmental compartments:  
The substance will not evaporate into the atmosphere from the water surface.  
Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.  
-----

### **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: imazapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1 H-imidazol-2-yl]-3-pyridine carboxylate  
Assessment biodegradation and elimination (H<sub>2</sub>O):  
Not readily biodegradable (by OECD criteria).

Information on: imazamox  
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: imazamox  
Bioaccumulation potential:  
Bioconcentration factor: < 1, *Lepomis macrochirus* (OECD-Guideline 305)  
Does not accumulate in organisms.

Information on: imazapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1 H-imidazol-2-yl]-3-pyridine carboxylate  
Bioaccumulation potential:  
Bioconcentration factor: < 1.0, *Lepomis macrochirus*  
-----

### **Additional information**

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

---

## **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.

BASF Safety data sheet  
Date / Revised: 10.11.2016  
Product: **INTERVIX HERBICIDE**

Version: 2.0

(30608242/SDS\_CPA\_AU/EN)

Date of print 11.11.2016

## 14. Transport Information

### **Domestic transport:**

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains IMAZAMOX)

### **Further information**

Hazchem Code:3Z  
IERG Number:47

### **Sea transport**

IMDG

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

### **Air transport**

IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains IMAZAMOX)

### **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.

## 15. Regulatory Information

### **Other regulations**

---

BASF Safety data sheet  
Date / Revised: 10.11.2016  
Product: **INTERVIX HERBICIDE**

Version: 2.0

---

(30608242/SDS\_CPA\_AU/EN)

Date of print 11.11.2016

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

**Registration status:**

AICS, AU released w/o restriction f. BASF / not listed  
APVMA Approval 59735

---

## 16. Other Information

---

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.