

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date : 2022/07/19

Version: 1.4

Page: 1/13

(30694860/SDS\_CPA\_CA/EN)

### 1. Identification

#### Product identifier used on the label

## Seclira® Pressurized Insecticide

#### Recommended use of the chemical and restriction on use

Recommended use\*: crop protection product, insecticide

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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

##### Company:

BASF Canada Inc.  
5025 Creekbank Road  
Building A, Floor 2  
Mississauga, ON, L4W 0B6, CANADA

Telephone: +1 289 360-1300

#### Emergency telephone number

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: (800) 454-COPE (2673)

#### Other means of identification

PCP # 33422

Synonyms: Dinotefuran

### 2. Hazards Identification

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

#### Classification of the product

Flam. Liq.	2	Flammable liquids
Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 2/13  
(30694860/SDS\_CPA\_CA/EN)

STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic
Flam. Aerosol	1	Flammable aerosols

### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P243	Take action to prevent static discharges.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P240	Ground and bond container and receiving equipment.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332 + P313	If skin irritation occurs: Get medical attention.
P337 + P311	If eye irritation persists: Call a POISON CENTER or physician.
P370 + P378	In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Storage):

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 3/13  
(30694860/SDS\_CPA\_CA/EN)

P403 + P235	Store in a well-ventilated place. Keep cool.
P233	Keep container tightly closed.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P405	Store locked up.
Precautionary Statements (Disposal):	
P501	Dispose of contents and container to hazardous or special waste collection point.

### 3. Composition / Information on Ingredients

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Dinotefuran technical

CAS Number: 165252-70-0

Content (W/W): 0.5 %

Synonym: 1 Guanidine, N"-methyl-N-nitro-N'-[(tetrahydro-3-furanyl)methyl]-

2-Propanone

CAS Number: 67-64-1

Content (W/W): 25.0 - 50.0%

Synonym: 2-Propanone Acetone; Dimethyl ketone

carbon dioxide

CAS Number: 124-38-9

Content (W/W): 1.0 - 3.0%

Synonym: No data available.

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

##### If inhaled:

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

##### If on skin:

Rinse skin immediately with plenty of water for 15 - 20 minutes.

##### If in eyes:

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 4/13  
(30694860/SDS\_CPA\_CA/EN)

### **If swallowed:**

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

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

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

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

#### Note to physician

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

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

Hazards during fire-fighting:  
carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides  
The substances/groups of substances mentioned can be released in case of fire. Aerosol container contains flammable gas under pressure.

### **Advice for fire-fighters**

Protective equipment for fire-fighting:  
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, protective equipment and emergency procedures**

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 and material for containment and cleaning up**

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

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 5/13  
(30694860/SDS\_CPA\_CA/EN)

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

### Precautions for safe 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:

Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight. Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

Protect from temperatures above: 50 °C

The packed product must be protected against exceeding the indicated temperature.

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## 8. Exposure Controls/Personal Protection

**Users of a pesticidal product should refer to the product label for personal protective equipment requirements.**

### Components with occupational exposure limits

Acetone	ACGIH, US:	TWA value 250 ppm ;
	ACGIH, US:	STEL value 500 ppm ;
	OSHA Z1:	PEL 1,000 ppm 2,400 mg/m3 ;
carbon dioxide	ACGIH, US:	TWA value 5,000 ppm ;
	ACGIH, US:	STEL value 30,000 ppm ;
	OSHA Z1:	PEL 5,000 ppm 9,000 mg/m3 ;

### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 6/13  
(30694860/SDS\_CPA\_CA/EN)

### Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

### Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

### 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:	aerosol	
Odour:	of acetone	
Odour threshold:	Not determined due to potential health hazard by inhalation.	
Colour:	colourless	
pH value:	approx. 8 - 10 ( 23 °C)	
Melting point:	approx. -95 °C	
Boiling range:	Information applies to the solvent. approx. 56 - 57 °C	
Flash point:	Information applies to the solvent. < -20 °C	(Regulation 440/2008/EC, A.9)
Flammability:	Extremely flammable.	
Flammability of Aerosol Products:	> 90 cm	(UN Test Sub- section 31.4)
NFPA 30B flammability:	Level 1 Aerosol	
Lower explosion limit:	approx. 2 %(V) Information applies to the propellant.	
Upper explosion limit:	approx. 27 %(V) Information applies to the propellant.	
Autoignition:	630 °C	(Regulation 440/2008/EC, A.15)
SADT:	> 75 °C	
Vapour pressure:	approx. 5,330 hPa ( 20 °C) Information applies to the propellant.	
Density:	approx. 0.95 g/cm <sup>3</sup> ( 20 °C)	
Vapour density:	2 Information based on the main component/s.	
Partitioning coefficient n- octanol/water (log Pow):	not applicable	
<i>Information on: Dinotefuran technical</i>		
Partitioning coefficient n- octanol/water (log Pow):	-0.549 ( 25 °C)	

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 7/13  
(30694860/SDS\_CPA\_CA/EN)

----- Thermal decomposition:	(DSC (OECD 113)) No exothermic decomposition within the mentioned temperature range.
Viscosity, dynamic:	approx. 1.75 mPa.s (approx. 21 °C)
Solubility in water:	soluble
Evaporation rate:	not applicable
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

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## 10. Stability and Reactivity

### Reactivity

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

Oxidizing properties:  
not fire-propagating (Regulation 440/2008/EC, A.21)

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

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

### Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid prolonged storage. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures.

### Incompatible materials

strong oxidizing agents, strong bases, strong acids

### Hazardous decomposition products

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

Thermal decomposition:  
(DSC (OECD 113))  
No exothermic decomposition within the mentioned temperature range.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

Acute toxicity

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 8/13  
(30694860/SDS\_CPA\_CA/EN)

Assessment of acute toxicity: Relatively nontoxic after single ingestion. Relatively nontoxic after short-term skin contact. Relatively nontoxic after short-term inhalation.

### Oral

Type of value: LD50  
Species: rat  
Value: > 5,000 mg/kg

### Inhalation

Type of value: LC50  
Species: rat  
Value: > 2.05 mg/l  
No mortality was observed.

### Dermal

Type of value: LD50  
Species: rat  
Value: > 5,000 mg/kg

### Assessment other acute effects

Assessment of STOT single:  
Possible narcotic effects (drowsiness or dizziness).

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

### Irritation / corrosion

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

### Skin

Species: rabbit  
Result: non-irritant

### Eye

Species: rabbit  
Result: non-irritant

### Sensitization

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

modified Buehler test

Species: guinea pig  
Result: Non-sensitizing.

### Aspiration Hazard

The product has not been tested. The statement has been derived from the properties of the individual components. May also damage the lung at swallowing (aspiration hazard).

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

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: Acetone*



# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 9/13  
(30694860/SDS\_CPA\_CA/EN)

*Assessment of repeated dose toxicity: The substance may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the hematological system after repeated ingestion of high doses. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.*

*Information on: carbon dioxide*

*Assessment of repeated dose toxicity: Prolonged or repeated exposure by inhalation to high concentrations may cause circulatory insufficiency leading to headache, nausea, vomiting and potentially death.*

### Genetic toxicity

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.

*Information on: Acetone*

*Assessment of reproduction toxicity: As shown in animal studies, the product may cause damage to the testes after repeated high exposures that cause other toxic effects.*

### Teratogenicity

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.

### Other Information

Misuse can be harmful to health.

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## 12. Ecological Information

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

Harmful 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.

#### Toxicity to fish

*Information on: Dinotefuran technical*

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

*LC50 (96 h) > 100 mg/l, Cyprinus carpio*

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 10/13  
(30694860/SDS\_CPA\_CA/EN)

### Aquatic invertebrates

*Information on: Dinotefuran technical*  
*EC50 (48 h) > 1,000 mg/l, Daphnia magna*  
*EC50 (96 h) 0.79 mg/l, Mysidopsis bahia*  
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### Aquatic plants

*Information on: Dinotefuran technical*  
*EC50 (72 h) 97.6 mg/l (biomass), Pseudokirchneriella subcapitata*  
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### Chronic toxicity to aquatic invertebrates

*Information on: Dinotefuran technical*  
*No observed effect concentration 0.089 mg/l, Mysidopsis bahia*  
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## **Persistence and degradability**

### Assessment biodegradation and elimination (H2O)

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

### Assessment biodegradation and elimination (H2O)

*Information on: Dinotefuran technical*

*Not readily biodegradable (by OECD criteria).*  
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## **Bioaccumulative potential**

### Assessment bioaccumulation potential

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

### Assessment bioaccumulation potential

*Information on: Dinotefuran technical*

*Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.*  
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## **Mobility in soil**

### 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: Dinotefuran technical*

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 11/13  
(30694860/SDS\_CPA\_CA/EN)

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

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### Additional information

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

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## 13. Disposal considerations

Waste disposal of substance:  
See product label for disposal and recycling instructions.

### Container disposal:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product. Emptied gas pressure vessels must not be opened.

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## 14. Transport Information

### Land transport

TDG

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1  
Proper shipping name: AEROSOLS

### Sea transport

IMDG

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1  
Marine pollutant: NO  
Proper shipping name: AEROSOLS

### Air transport

IATA/ICAO

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1  
Proper shipping name: AEROSOLS, FLAMMABLE

### Further information

DOT: This product may be classified as ORM-D (Consumer Commodity) or Limited Quantity. After 12/31/2020, ORM-D will not apply.

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## 15. Regulatory Information

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 12/13  
(30694860/SDS\_CPA\_CA/EN)

### Federal Regulations

#### Registration status:

Crop Protection      DSL, CA      released / exempt

Chemical              DSL, CA released; restriction on quantity / not listed

Biocide                DSL, CA blocked / not listed

### Labeling requirements under Pest Control Products Act

Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label:



Danger: Flammable



Caution:  
Explosive

DANGER:  
EXTREMELY FLAMMABLE.  
Explosive  
KEEP OUT OF REACH OF CHILDREN.  
KEEP OUT OF REACH OF DOMESTIC ANIMALS.  
Wash thoroughly after handling.

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There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label.

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## 16. Other Information

SDS Prepared by:

# Safety Data Sheet

## Seclira® Pressurized Insecticide

Revision date: 2022/07/19  
Version: 1.4

Page: 13/13  
(30694860/SDS\_CPA\_CA/EN)

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BASF NA Product Regulations  
SDS Prepared on: 2022/07/19

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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