

# Safety Data Sheet

## Insignia SC Fungicide

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Version: 3.0

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### 1. Identification

#### Product identifier used on the label

## Insignia SC Fungicide

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

Recommended use\*: crop protection product, fungicide

\* 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 # 32247

Synonyms: Pyraclostrobin

### 2. Hazards Identification

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

##### Classification of the product

|                   |                                      |  |
|-------------------|--------------------------------------|--|
| Acute Tox.        | 4 (oral)                             | Acute toxicity                                   |
| Acute Tox.        | 4 (Inhalation - mist)                | Acute toxicity                                   |
| Skin Corr./Irrit. | 2                                    | Skin corrosion/irritation                        |
| STOT SE           | 3 (irritating to respiratory system) | Specific target organ toxicity — single exposure |

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|                 |   |  |
|-----------------|---|--|
| Aquatic Acute   | 1 | Hazardous to the aquatic environment - acute   |
| Aquatic Chronic | 1 | Hazardous to the aquatic environment - chronic |

### Label elements

Pictogram:



Signal Word:

Warning

Hazard Statement:

|             |   |
|-------------|---|
| H315        | Causes skin irritation.                               |
| H335        | May cause respiratory irritation.                     |
| H302 + H332 | Harmful if swallowed or if inhaled                    |
| H400        | Very toxic to aquatic life.                           |
| H410        | Very toxic to aquatic life with long lasting effects. |

Precautionary Statements (Prevention):

|      |   |
|------|---|
| P271 | Use only outdoors or in a well-ventilated area.         |
| P273 | Avoid release to the environment.                       |
| P280 | Wear protective gloves.                                 |
| P260 | Do not breathe mist or vapour.                          |
| P270 | Do not eat, drink or smoke when using this product.     |
| P264 | Wash contaminated body parts thoroughly after handling. |

Precautionary Statements (Response):

|             |  |
|-------------|--|
| P312        | Call a POISON CENTER or physician if you feel unwell.                      |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.                            |
| P330        | Rinse mouth  |
| P391        | Collect spillage.  |
| P332 + P313 | If skin irritation occurs: Get medical attention.                          |
| P362 + P364 | Take off contaminated clothing and wash it before reuse.                   |

Precautionary Statements (Storage):

|             |  |
|-------------|--|
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405        | Store locked up.   |

Precautionary Statements (Disposal):

|      |   |
|------|---|
| P501 | Dispose of contents/container in accordance with local regulations. |
|------|---|

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## 3. Composition / Information on Ingredients

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

Pyraclostrobin

CAS Number: 175013-18-0

Content (W/W): 23.3 %

Synonym: No data available.

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### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary.

##### 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.

##### 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.

### 5. Fire-Fighting Measures

#### Extinguishing media

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, Hydrogen chloride, hydrogen bromide, nitrogen oxides, halogenated compounds, Phosphorus compounds, silica compounds, sulfur oxides  
The substances/groups of substances mentioned can be released in case of fire.

#### Advice for fire-fighters

Protective equipment for fire-fighting:  
Wear self-contained breathing apparatus and chemical-protective clothing.

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### Further information:

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

### Methods and material for containment and cleaning up

Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

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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:

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear. Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

### Conditions for safe storage, including any incompatibilities

Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed.

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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.**

No substance specific occupational exposure limits known.

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### **Advice on system design:**

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

### **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.

#### **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. Wear face shield or tightly fitting safety goggles (chemical goggles) 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:**

Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

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## 9. Physical and Chemical Properties

|                        |  |                               |
|------------------------|--|-------------------------------|
| Form:                  | liquid   |                               |
| Odour:                 | faint odour, sweetish  |                               |
| Odour threshold:       | Not determined since harmful by inhalation.  |                               |
| Colour:                | off-white  |                               |
| Melting point:         | approx. 0 °C   |                               |
|                        | Information applies to the solvent.  |                               |
| Boiling point:         | approx. 95 °C  |                               |
|                        | Information applies to the solvent.  |                               |
| Flash point:           | No flash point - Measurement made up to the boiling point.   | (Regulation 440/2008/EC, A.9) |
| Flammability:          | 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. |                               |

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|   |  |                                |
|---|--|--------------------------------|
| 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. |                                |
| Autoignition:                                       | 540 °C   | (Regulation 440/2008/EC, A.15) |
| SADT:   | > 75 °C<br>Heat accumulation / Dewar 500 ml (SADT, UN-Test H.4, 28.4.4)  |                                |
| Vapour pressure:                                    | approx. 23.3 hPa<br>( 20 °C)   |                                |
| Density:  | Information applies to the solvent.<br>approx. 1.08 g/cm <sup>3</sup><br>( 20 °C)  |                                |
| Vapour density:                                     | not applicable   |                                |
| Partitioning coefficient n-octanol/water (log Pow): | not applicable   |                                |
| Thermal decomposition:                              | 170 °C, 1,630 kJ/kg (DSC (OECD 113))<br>Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.   |                                |
| Viscosity, dynamic:                                 | approx. 23 mPa.s<br>( 20 °C)   |                                |
| Solubility in water:                                | dispersible  |                                |
| Molar mass:   | 387.82 g/mol   |                                |
| Evaporation rate:                                   | not applicable   |                                |
| Other Information:                                  | If necessary, information on other physical and chemical parameters is indicated in this section.  |                                |

## 10. Stability and Reactivity

### Reactivity

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

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

not fire-propagating

### 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

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Decomposition products:

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

Thermal decomposition:

170 °C, 3 K/min (DSC (OECD 113))

Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

## 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

Assessment of acute toxicity: Of moderate toxicity after single ingestion. Of moderate toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Oral

Type of value: LD50

Species: rat (male/female)

Value: approx. 455 mg/kg (OECD Guideline 423)

#### Inhalation

Type of value: LC50

Species: rat (female)

Value: 4.52 mg/l (OECD Guideline 403)

Exposure time: 4 h

An aerosol was tested.

#### Dermal

Type of value: LD50

Species: rat (male/female)

Value: > 5,000 mg/kg (OECD Guideline 402)

#### Assessment other acute effects

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

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

#### Irritation / corrosion

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. Skin contact causes irritation.

#### Skin

Species: rabbit

Result: Irritant.

Method: OECD Guideline 404

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### Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

### Sensitization

Assessment of sensitization: Sensitization after skin contact possible. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Buehler test

Species: guinea pig

Result: sensitizing

Method: OECD Guideline 406

## **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: pyraclostrobin*

*Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation. The substance may cause damage to the olfactory epithelium after repeated inhalation.*

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### Genetic toxicity

Assessment of mutagenicity: 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. 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.

### 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:



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Very toxic (acute effect) to aquatic organisms.

### Toxicity to fish

*Information on: pyraclostrobin*

*LC50 (96 h) 0.00616 mg/l, Oncorhynchus mykiss (EPA 72-1, Flow through.)*

### Aquatic invertebrates

*Information on: pyraclostrobin*

*EC50 (48 h) 0.0157 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)*

### Aquatic plants

*Information on: pyraclostrobin*

*EC50 (72 h) > 0.843 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201)*

*EC10 (72 h) 0.078 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201)*

### Assessment of terrestrial toxicity

With high probability not acutely harmful to terrestrial organisms.

## **Persistence and degradability**

### Assessment biodegradation and elimination (H2O)

*Information on: pyraclostrobin*

*Not readily biodegradable (by OECD criteria).*

## **Bioaccumulative potential**

### Bioaccumulation potential

*Information on: pyraclostrobin*

*Bioconcentration factor: 379 - 507, Oncorhynchus mykiss (OECD-Guideline 305)*

*Accumulation in organisms is not to be expected.*

## **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: pyraclostrobin*

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

## **Additional information**

Other ecotoxicological advice:

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Do not discharge product into the environment without control.

### 13. Disposal considerations

#### Waste disposal of substance:

See product label for disposal and recycling instructions.

#### Container disposal:

Rinse the container or liner as needed for disposal. Add rinsate to spray tank. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Consult the product label for additional details.

### 14. Transport Information

#### Land transport

TDG

Not classified as a dangerous good under transport regulations

#### 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 PYRACLOSTROBIN) |

#### 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 PYRACLOSTROBIN) |

#### Further information

Exempt from regulation when transported by road or rail, in accordance with TDG Regulations 1.45.1. This exemption provides that this product does not require dangerous goods shipping documentation or safety marks when transported on land by road or rail.

### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Crop Protection      DSL, CA      released / exempt

#### Labeling requirements under Pest Control Products Act

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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: Poison

Skin Irritant

KEEP OUT OF REACH OF UNAUTHORIZED PERSONNEL.

May be fatal if swallowed.

MAY CAUSE SKIN IRRITATION.

Avoid contact with the skin, eyes and clothing.

Wash thoroughly after handling.

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

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2022/03/31

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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