

**SAFETY DATA SHEET**

LEEDOR

SDS date: 24/03/2026

Version: 1.0

This safety data sheet was created pursuant to the requirements of: Canada Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), as amended

**Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product Identifier**

Product Name: LEEDOR

Product Code: 178-02

PCPA Registration No.: 35916

**Relevant identified uses of the substance or mixture and uses advised against**

Product Use: Fungicide

Restrictions on use: See product label for restrictions

**Details of the supplier of the safety data sheet**

Company: Life Scientific (Canada) Inc.  
525-8<sup>th</sup> Avenue S.W., 43<sup>rd</sup> Floor  
Eighth Avenue Place East  
Calgary, Alberta T2P 1G1  
Telephone: 403-498-6623  
Email: [info@lifescientific.com](mailto:info@lifescientific.com)  
Web: [www.lifescientific.com](http://www.lifescientific.com)

**Emergency contact information**

In case of Emergency: 1-800-424-9300

**Section 2. HAZARD IDENTIFICATION****WARNING**

May cause an allergic skin reaction. (H317)  
May cause harm to breast-fed children. (H362)

**HAZARD CLASSIFICATION****Health Hazards**Skin Sensitization  
Repro. Tox**Category**1  
-**Physical Hazards**

None

**Category**

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**Environmental Hazards**

None

**Category**

-

**HAZARDS NOT REQUIRING CLASSIFICATION**

None

**Precautionary Statements**

Do not breathe dust or mist. (P260)  
Contaminated work clothing should not be allowed out of the workplace. (P272)  
Wear protective gloves. (P280)  
Obtain special instructions before use. (P201)  
Avoid contact during pregnancy/ while nursing. (P263)  
Wash thoroughly after handling. (P264)  
Do not eat, drink or smoke when using this product. (P270)  
IF ON SKIN: Wash with plenty of water/ soap. (P302 + P352)  
If skin irritation or rash occurs: Get medical advice/ attention. (P333 + P313)

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Specific treatment (see supplemental first aid instructions on this label). (P321)

Wash contaminated clothing before reuse. (P362+P364)

IF exposed or concerned: Get medical advice/ attention. (P308 + P313)

Protect from sunlight. (P410)

Dispose of contents/container in accordance with local regulation. (P501)

**Section 3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name                | CAS         | Concentration<br>(% w/w) |
|------------------------------|-------------|--------------------------|
| Trifloxystrobin              | 141517-21-7 | 13.67                    |
| Prothioconazole              | 178928-70-6 | 15.91                    |
| fatty alcohol polyglycoether | 61791-13-7  | 7-8                      |

**Section 4. FIRST AID MEASURES****Description of first aid measures**

General information: Have the product container, label or Safety Data Sheet with you when calling the emergency number, a Poison Control Centre or physician, or going for treatment.

Inhalation: Move to fresh air. If breathing is irregular or stopped, call an ambulance, then administer artificial respiration, preferably mouth-to-mouth if possible. Call a physician or Poison Control Centre immediately.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Rinse out mouth and give water in small sips to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

Skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water for 15-20 minutes. Call a physician or poison control center immediately.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Immediate medical attention is required.

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

Symptoms: None known.

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

Note to physicians: There is no specific antidote available. Treat symptomatically.

**Section 5. FIREFIGHTING MEASURES****Extinguishing media**

Suitable: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable: High volume water jet

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

In the event of fire, the following may be released: Hydrogen cyanide (hydrocyanic acid), Hydrogen fluoride, Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides.

**Advice for firefighters**



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Special protective equipment for fire fighters: In the event of fire, wear NIOSH approved self-contained breathing apparatus.

Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

|                           |                   |
|---------------------------|-------------------|
| Flash point               | N/A               |
| Auto-ignition temperature | No data available |
| Lower explosion limit     | No data available |
| Upper explosion limit     | No data available |
| Explosivity               | Not explosive     |

### Section 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Isolate hazard area. Keep unauthorized people away. Avoid contact with spilled product or contaminated surfaces.

#### Environmental precautions

If the product is accidentally spilled, do not allow to enter soil, waterways or wastewater canal.

#### Methods and materials for containment and cleaning up

Pick up with suitable absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations. Contaminated soil may have to be removed and disposed.

Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal.

#### Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

### Section 7. HANDLING AND STORAGE

#### Precautions for safe handling

Handle and open container in a manner as to prevent spillage. Ensure thorough ventilation of stores and work areas.

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

#### Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from direct sunlight.

Segregate from foods, drinks, and animal feeds.

**Section 8. EXPOSURE CONTROL/PERSONAL PROTECTION**
**Control parameters**

| Component       | Control parameters                | Source   |
|-----------------|-----------------------------------|----------|
| Trifloxystrobin | 2.7 mg/m <sup>3</sup><br>(SK-SEN) | OES BCS* |
| Prothioconazole | 1.4 mg/m <sup>3</sup><br>(SK-ABS) | OES BCS* |

\*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

**Exposure controls**

When using this product refer to the label for details. In all other cases, use the following Personal Protective Equipment:

|                         |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory protection: | When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations. |
| Skin protection:        | Wear long-sleeved shirt and long pants and shoes plus socks                                                                                                                                                      |
| Hand protection:        | Chemical resistant nitrile rubber gloves                                                                                                                                                                         |
| Eye protection:         | Safety glasses with side-shields                                                                                                                                                                                 |
| Protective measures:    | Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.                     |

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**
**Information on basic physical and chemical properties**

|                               |                                |
|-------------------------------|--------------------------------|
| Physical state                | Liquid.                        |
| Colour:                       | White to beige                 |
| Odour:                        | Slight, characteristic         |
| Melting point (°C):           | No data available              |
| Boiling point (°C):           | No data available              |
| Flammability:                 | No data available              |
| Lower and upper exp. Limit:   | No data available              |
| Flash Point:                  | Not applicable                 |
| Auto. Ignition temp (°C):     | No data available              |
| Decomposition temp (°C):      | No data available              |
| pH (at 20 °C):                | 5-7                            |
| Viscosity:                    | 165.5-490.0 mPa(s)             |
| Solubility:                   | No data available              |
| Vapour pressure:              | No data available              |
| Density and/or relative den.: | 1.11 g/cm <sup>3</sup> (20 °C) |
| Relative vapour density:      | No data available              |
| Explosivity                   | Not explosive                  |

**Other Information**

None.

## Section 10. STABILITY AND REACTIVITY

### Reactivity

No information available.

### Thermal decomposition

Stable under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

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

### Conditions to avoid

Extremes of temperature and direct sunlight. Freezing

### Incompatible material

No incompatible materials known.

### Hazardous decomposition products

No decomposition products expected under normal conditions of use.

## Section 11. TOXICOLOGICAL INFORMATION

The results are based on a similar composition.

### Information on likely routes of exposure

|            |                                                                |
|------------|----------------------------------------------------------------|
| Eye        | Moderate eye irritation.                                       |
| Skin       | Harmful if absorbed through skin. May cause slight irritation. |
| Ingestion  | Harmful if swallowed                                           |
| Inhalation | Harmful if inhaled.                                            |

### Information on toxicological effects

#### Acute Oral Toxicity

LD<sub>50</sub> (rat): >= 5,000 mg/kg

#### Acute Inhalation Toxicity

LC<sub>50</sub> (rat) > 2.189 mg/l/4h  
Highest attainable concentration.

#### Acute Dermal Toxicity

LD<sub>50</sub> (rat): > 4,000 mg/kg

### Skin corrosion/irritation

No skin irritation (Rabbit)

### Serious eye damage/eye irritation

Slight irritation (Rabbit)

### Respiratory or skin sensitisation

Skin: Sensitising (Guinea pig)  
OECD Test Guideline 406, Magnusson & Kligman test

### Assessment STOT Specific target organ toxicity – single exposure

Trifloxystrobin: Based on available data, the classification criteria are not met.

Prothioconazole: Based on available data, the classification criteria are not met.

#### Assessment STOT Specific target organ toxicity – repeated exposure

Trifloxystrobin did not cause specific target organ toxicity in experimental animal studies.  
Prothioconazole did not cause specific target organ toxicity in experimental animal studies.

#### Assessment mutagenicity

Trifloxystrobin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.  
Prothioconazole was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

#### Assessment carcinogenicity

Trifloxystrobin was not carcinogenic in lifetime feeding studies in rats and mice.  
Prothioconazole was not carcinogenic in lifetime feeding studies in rats and mice.

#### ACGIH

None.

#### NTP

None.

#### IARC

None.

#### OSHA

None.

#### Assessment toxicity to reproduction

Trifloxystrobin caused reduced body weight development in offspring during lactation only at doses also producing systemic toxicity in adult rats.  
Prothioconazole caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Prothioconazole is related to parental toxicity.

#### Assessment developmental toxicity

Trifloxystrobin caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Trifloxystrobin are related to maternal toxicity.

Prothioconazole caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Prothioconazole are related to maternal toxicity.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Further information

Only acute toxicity studies have been performed on the formulated product. The non-acute information pertains to the active ingredient(s).

## Section 12. ECOLOGICAL INFORMATION

The results are based on a similar composition.

#### Prothioconazole

##### Toxicity to fish

LC<sub>50</sub> *Oncorhynchus mykiss* (rainbow trout) 0.125 mg/l/96 h

##### Toxicity to aquatic invertebrates

EC<sub>50</sub> *Daphnia magna* (Water flea) 0.126 mg/l/48 h  
LC<sub>50</sub> *Mysidopsis bahia* (mysid shrimp) 0.00862 mg/l/96 h

**Toxicity to aquatic plants**

IC<sub>50</sub> *Raphidocelis subcapitata* (freshwater green alga): 0.68 mg/l/72 h

**Prothioconazole**

ErC<sub>50</sub> *Skeletonema costatum* 0.03278 mg/l/ 72 h  
EC<sub>10</sub> *Skeletonema costatum* 0.01427 mg/l/ 72 h

**Trifloxystrobin**

EC<sub>10</sub> *Desmodesmus subspicatus* (green algae) 0.0025 mg/l/ 72 h

**Biodegradability**

Trifloxystrobin: Not rapidly biodegradable

Prothioconazole: Not rapidly biodegradable

**Koc**

Trifloxystrobin:: 2377

Prothioconazole: 1765

**Bioaccumulative potential**

Trifloxystrobin: Bioconcentration factor (BCF) 431

Does not bioaccumulate.

Prothioconazole: Bioconcentration factor (BCF) 19

Does not bioaccumulate.

**Mobility in soil**

Trifloxystrobin: Slightly mobile in soils

Prothioconazole: Slightly mobile in soils

**Environmental precautions**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not allow product to enter streams, sewers or other waterways. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.

**Section 13. DISPOSAL CONSIDERATIONS**
**Waste treatment methods**

Waste disposal procedures: Do not contaminate water, food, or feed by disposal. Dispose in accordance with all local, state/provincial and federal regulations. Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility. Follow container label instructions for disposal of wastes generated during use in compliance with the product label.

Contaminated packaging: Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.

**Section 14. TRANSPORT INFORMATION**

Transport the product in accordance with the provisions of ADR for road, RID for rail, IMDG for the sea, and ICAO / IATA for air transport

**UN Number**

3082.

**UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (TRIFLOXYSTROBIN, PROTHIOCONAZOLE).

**Transport hazard class(es)**

9.

**Packing group**

III.

**Environmental hazards**

Marine Pollutant.

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

**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.

Freight Classification: INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON

**Section 15. REGULATORY INFORMATION**
**Safety, health and environmental regulation/legislation specific for the substance or mixture**

PCP Registration No. 35916

PMRA Information: 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 regulated 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.

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

**Section 16. OTHER INFORMATION**
**Abbreviations and acronyms**

|         |                                                                       |
|---------|-----------------------------------------------------------------------|
| ACGIH   | US. ACGIH Threshold Limit Values                                      |
| ATE     | Acute toxicity estimate                                               |
| CAS No. | Chemical Abstracts Service number                                     |
| CERCLA  | Comprehensive Environmental Response, Compensation, and Liability Act |
| EINECS  | European inventory of existing commercial substances                  |
| ELINCS  | European list of notified chemical substances                         |
| GHS     | Globally harmonized system                                            |
| IARC    | International Agency for Research on Cancer                           |
| IATA    | International Air Transport Association                               |
| ICAO    | International Civil Aviation Organization                             |
| IMDG    | International Maritime Dangerous Goods                                |
| IMO     | International Maritime Organization                                   |
| LC50    | Lethal concentration to 50% of a test population                      |
| LD50    | Lethal dose to 50% of a test population (median lethal dose)          |
| NOEC    | No observed effect concentration                                      |
| N.O.S.  | Not otherwise specified                                               |
| NTP     | US. National Toxicology Program (NTP) Report on Carcinogens           |
| OECD    | Organization for Economic Co-operation and Development                |
| PPE     | Personal protective equipment                                         |
| SDS     | Safety data sheet                                                     |



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|         |                                                    |
|---------|----------------------------------------------------|
| STOT RE | Specific target organ toxicity – repeated exposure |
| STOT SE | Specific target organ toxicity – single exposure   |
| TDG     | Transportation of Dangerous Goods                  |
| TWA     | Time weighted average                              |
| UN      | United Nations                                     |
| WHO     | World health organization                          |

NFPA 704 (National Fire Protection Association):

Health - 0 Flammability - 0 Instability - 0 Others - none

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 0 Flammability - 0 Physical Hazard - 0 PPE – 0

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

The information presented in this document is accurate to the best of our knowledge at the date of its publication. However, the information given is designed only as a guide for the methods of handling, storage, use, transportation and disposal of the product and is not considered a warranty or quality specification. Life Scientific Inc. cannot be held responsible for any loss or damage resulting from the handling, storage, use or disposal of the product. The information contained in this document relates only to this specific product.

LEEDOR ® - trademark pending, Life Scientific Inc.

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