

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

1/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name PROSPER® EVERGOL®
Product code (UVP) 79659202
SDS Number 102000022377
EPA Registration No. 264-1121

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

Use Fungicide, Insecticide, Seed treatment

Restrictions on use See product label for restrictions.

Information on supplier

Supplier Bayer CropScience LP
800 North Lindbergh Blvd.
St. Louis, MO 63167
USA

Responsible Department Email: SDSINFO.BCS-NA@bayer.com

Emergency telephone no.

Emergency Telephone Number (24hr/ 7 days) 1-800-334-7577

Product Information Telephone Number 1-866-99BAYER (1-866-992-2937)

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200

Reproductive toxicity: Effects on or via lactation
Specific target organ toxicity - single exposure: Category 2

Labelling in accordance with regulation HCS 29CFR §1910.1200



Signal word: Warning

Hazard statements

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

2/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

May cause harm to breast-fed children.
May cause damage to organs (Nervous system).

Precautionary statements

Obtain special instructions before use.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Avoid contact during pregnancy/ while nursing.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
IF exposed or if you feel unwell:
Call a POISON CENTER/ doctor.
Store locked up.
Dispose of contents/container in accordance with local regulation.

Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.
No health hazards not otherwise classified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Clothianidin	210880-92-5	22.30
Penflufen	494793-67-8	0.82
Trifloxystrobin	141517-21-7	0.55
Metalaxyl	57837-19-1	0.55

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
Inhalation	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
Eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

3/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

Ingestion Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

Most important symptoms and effects, both acute and delayed

Symptoms To date no symptoms are known.

Indication of any immediate medical attention and special treatment needed

Treatment Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

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 Dangerous gases are evolved in the event of a fire.

Advice for firefighters

Special protective equipment for firefighters In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

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

Specific hazards from the substance or mixture which can increase the fire

Flash point > 93.3 °C / > 199.94 °F

Auto-ignition temperature 425 °C / 797 °F

Lower explosion limit No data available

Upper explosion limit No data available

Explosivity Not applicable

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

4/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert 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.

Additional advice 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 safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use only in area provided with appropriate exhaust ventilation. Handle and open container in a manner as to prevent spillage.

Hygiene measures 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. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Keep away from direct sunlight. Protect from freezing.

Advice on common storage Keep away from food, drink and animal feedingstuffs.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Clothianidin	210880-92-5	0.1 mg/m ³	01 2022	ACGIH

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

5/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

(Inhalable fraction.)		(TWA)		
Clothianidin	210880-92-5	2.8 mg/m ³ (TWA)		OES BCS*
Penflufen	494793-67-8	1.1 mg/m ³ (TWA)		OES BCS*
Trifloxystrobin	141517-21-7	2.7 mg/m ³ (SK-SEN)		OES BCS*

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

Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

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.

Hand protection

Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber or Viton)

Eye protection

Tightly fitting safety goggles

Skin and body protection

Wear long-sleeved shirt and long pants and shoes plus socks.

General 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

Form	Liquid
Colour	blue
Odour	musty
Odour Threshold	No data available
pH	7.5 - 9.5 (100 %) (23 °C)
Melting point/range	No data available
Boiling Point	No data available
Flash point	> 93.3 °C / > 199.94 °F
Flammability	No data available

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

6/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

Auto-ignition temperature	425 °C / 797 °F
Thermal decomposition	No data available
Minimum ignition energy	Not applicable
Self-accelerating decomposition temperature (SADT)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Evaporation rate	No data available
Relative vapour density	No data available
Relative density	No data available
Density	1.30 g/cm ³ (20 °C)
Water solubility	dispersible
Partition coefficient: n-octanol/water	Clothianidin: log Pow: 0.9 Penflufen: log Pow: 3.3 (25 °C) Trifloxystrobin: log Pow: 4.5 (25 °C)
Viscosity, dynamic	210 - 320 mPa.s (20 °C) Velocity gradient 20 /s 115 - 180 mPa.s (20 °C) Velocity gradient 100 /s
Viscosity, kinematic	No data available
Oxidizing properties	No data available
Explosivity	Not applicable
Other information	Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

7/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	No incompatible materials known.
Hazardous decomposition products	No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes	Skin contact, Ingestion, Eye contact, Inhalation
Immediate Effects	
Eye	Not expected to produce significant adverse effects when recommended use instructions are followed.
Skin	May be harmful if absorbed through skin.
Ingestion	May be harmful if swallowed.
Inhalation	Not expected to produce significant adverse effects when recommended use instructions are followed.

Information on toxicological effects

Acute oral toxicity	LD50 (Rat) > 2,000 mg/kg
Acute inhalation toxicity	LC50 (Rat) > 2.254 mg/l Exposure time: 4 h Determined in the form of liquid aerosol. Highest attainable concentration.
Acute dermal toxicity	LD50 (Rat) > 2,000 mg/kg
Skin corrosion/irritation	No skin irritation (Rabbit)
Serious eye damage/eye irritation	No eye irritation (Rabbit)
Respiratory or skin sensitisation	Skin: Non-sensitizing. (Mouse)

Assessment STOT Specific target organ toxicity – single exposure

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

Assessment STOT Specific target organ toxicity – repeated exposure

Clothianidin did not cause specific target organ toxicity in experimental animal studies.
Penflufen did not cause specific target organ toxicity in experimental animal studies.
Trifloxystrobin did not cause specific target organ toxicity in experimental animal studies.
Metalaxyl did not cause specific target organ toxicity in experimental animal studies.

Assessment mutagenicity

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

8/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

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

Penflufen was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Trifloxystrobin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Metalaxyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Clothianidin was not carcinogenic in lifetime feeding studies in rats and mice.

Penflufen caused at high dose levels an increased incidence of tumours in rats in the following organ(s): ovaries, Brain, hematopoietic system. The mechanism that triggers these tumours is not relevant to humans.

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

Metalaxyl was not carcinogenic in lifetime feeding studies in rats and mice.

ACGIH

Clothianidin	210880-92-5	Group A4
--------------	-------------	----------

NTP

None.

IARC

None.

Assessment toxicity to reproduction

Clothianidin 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 Clothianidin is related to parental toxicity.

Penflufen did not cause reproductive toxicity in a two-generation study in rats.

Trifloxystrobin caused reduced body weight development in offspring during lactation only at doses also producing systemic toxicity in adult rats.

Metalaxyl did not cause reproductive toxicity in a multi-generation study in rats.

Assessment developmental toxicity

Clothianidin did not cause developmental toxicity in rats.

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

Penflufen did not cause developmental toxicity in rats and rabbits.

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

Metalaxyl did not cause developmental toxicity in rats and rabbits.

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).

No further toxicological information is available.

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

9/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) > 104.2 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient clothianidin.
	LC50 (Oncorhynchus mykiss (rainbow trout)) 0.015 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient trifloxystrobin.
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) > 119 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient clothianidin.
	EC50 (Chironomus riparius (non-biting midge)) 0.00106 mg/l Exposure time: 28 d The value mentioned relates to the active ingredient clothianidin.
	EC50 (Daphnia magna (Water flea)) 0.016 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient trifloxystrobin.
	LC50 (Mysidopsis bahia (mysid shrimp)) 0.00862 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient trifloxystrobin.
Toxicity to aquatic plants	IC50 (Raphidocelis subcapitata (freshwater green alga)) > 120 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient clothianidin.
	IC50 (Desmodesmus subspicatus (green algae)) 0.0053 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient trifloxystrobin.
	EC10 (Desmodesmus subspicatus (green algae)) 0.0025 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient trifloxystrobin.
Biodegradability	Clothianidin: Not rapidly biodegradable Penflufen: Not rapidly biodegradable Trifloxystrobin: Not rapidly biodegradable Metalaxyl: Not rapidly biodegradable
Koc	Clothianidin: Koc: 84 - 345 Penflufen: Koc: 280 Trifloxystrobin: Koc: 2377 Metalaxyl: Koc: 163
Bioaccumulation	Clothianidin: Does not bioaccumulate.

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

10/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

Penflufen: Bioconcentration factor (BCF) 142
Does not bioaccumulate.
Trifloxystrobin: Bioconcentration factor (BCF) 431
Does not bioaccumulate.
Metalaxyl: Bioconcentration factor (BCF) < 7
Does not bioaccumulate.

Mobility in soil

Clothianidin: Moderately mobile in soils
Penflufen: Moderately mobile in soils
Trifloxystrobin: Slightly mobile in soils
Metalaxyl: Moderately mobile in soils

Results of PBT and vPvB assessment

PBT and vPvB assessment

Clothianidin: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
Penflufen: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
Trifloxystrobin: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
Metalaxyl: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

Additional ecological information

Exposed treated seed may be hazardous to birds.

Environmental precautions

Do not allow to get into surface water, drains and ground water.
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Dispose in accordance with all local, state/provincial and federal regulations.

Contaminated packaging

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

RCRA Information

Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

SECTION 14: TRANSPORT INFORMATION

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

11/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

49CFR Not dangerous goods / not hazardous material

IMDG

UN number **3082**
Class **9**
Packaging group **III**
Marine pollutant **YES**
Proper shipping name **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CLOTHIANIDIN, TRIFLOXYSTROBIN SOLUTION)**

IATA

UN number **3082**
Class **9**
Packaging group **III**
Environm. Hazardous Mark **YES**
Proper shipping name **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CLOTHIANIDIN, TRIFLOXYSTROBIN SOLUTION)**

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.

SECTION 15: REGULATORY INFORMATION

EPA Registration No. 264-1121

US Federal Regulations

TSCA list

Water 7732-18-5
Titanium dioxide (>10 µm) 13463-67-7
1,2-Propanediol 57-55-6
White mineral oil 8042-47-5
29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper 147-14-8
Polyethylene-polypropylene copolymer 9003-11-6

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

No export notification needs to be made.

SARA Title III - Section 302 - Notification and Information

Not applicable.

SARA Title III - Section 313 - Toxic Chemical Release Reporting

None.

US States Regulatory Reporting

CA Prop65

WARNING: This product contains a chemical known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Titanium dioxide (>10 µm) 13463-67-7 Carcinogenic

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

12/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

This product does not contain any substances known to the State of California to cause reproductive harm.

US State Right-To-Know Ingredients

Titanium dioxide (>10 µm)	13463-67-7	MN, RI
1,2-Propanediol	57-55-6	MN, RI
29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper	147-14-8	CT, IL, MI, NJ

Environmental

CERCLA

Yes

29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper	147-14-8
---	----------

Listed.

Clean Water Section 307(a)(1)

Yes

29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper	147-14-8
---	----------

Safe Drinking Water Act Maximum Contaminant Levels

Yes

29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper	147-14-8
---	----------

EPA/FIFRA Information:

This chemical is a pesticide product regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

Signal word: Caution!

Hazard statements: Harmful if swallowed or absorbed through skin.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
CAS-Nr.	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
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods

SAFETY DATA SHEET



PROSPER® EVERGOL®

Version 5.0 / USA
102000022377

13/13
Revision Date: 10/15/2024
Print Date: 10/16/2024

N.O.S.	Not otherwise specified
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
OECD	Organization for Economic Co-operation and Development
TDG	Transportation of Dangerous Goods
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

NFPA 704 (National Fire Protection Association):

Health - 2 Flammability - 1 Instability - 0 Others - none

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

Health - 1* Flammability - 1 Physical Hazard - 0 PPE -

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

Reason for Revision: The following sections have been revised: Section 2: Hazards Identification. Section 8: Exposure Controls / Personal Protection. Section 11: Toxicological Information. Section 16: Other Information. Reviewed and updated for general editorial purposes.

Revision Date: 10/15/2024

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer.