

SAFETY DATA SHEET



ACCELERON® D-109 FUNGICIDE SEED TREATMENT

Version 4.0 / USA
102000053361

1/11
Revision Date: 12/09/2022
Print Date: 12/10/2022

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

Product identifier

Trade name ACCELERON® D-109 FUNGICIDE SEED TREATMENT
Product code (UVP) 62359488
SDS Number 102000053361
EPA Registration No. 7969-266-264

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

Use Seed treatment, Fungicide
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

Skin irritation: Category 2
Specific target organ toxicity - single exposure: Category 3

Labelling in accordance with regulation HCS 29CFR §1910.1200



Signal word: Warning

Hazard statements

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Causes skin irritation.
May cause respiratory irritation.

Precautionary statements

Wear protective gloves.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid breathing mist/ vapours/ spray.
Call a POISON CENTER/doctor/physician if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF ON SKIN: Wash with plenty of water/ soap.
If skin irritation occurs: Get medical advice/ attention.
Take off contaminated clothing and wash it before reuse.
Store in a well-ventilated place. Keep container tightly closed.
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
Pyraclostrobin	175013-18-0	18.42
Glycerine	56-81-5	>=10.0 – <=15.0

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	If inhaled, move person to fresh air. If person is not breathing, call emergency number or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
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.

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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 In the event of fire the following may be released: Carbon monoxide (CO), Carbon dioxide (CO₂), Hydrogen chloride (HCl), Hydrogen bromide (HBr), Nitrogen oxides (NO_x), Halogenated compounds, Sulphur oxides

Advice for firefighters

Special protective equipment for firefighters Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information Fight fire from upwind position. Keep out of smoke. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Whenever possible, contain fire-fighting water by diking area with sand or earth.

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

Flash point >100 °C / 212 °F
No flash point - Determination conducted up to the boiling point.

Auto-ignition temperature 425 °C / 797 °F

Lower explosion limit No data available

Upper explosion limit No data available

Explosivity Not explosive

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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. 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

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. 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
Glycerine	56-81-5	10 mg/m ³ (TWA)	01 2021	ACGIH

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(Inhalable particles.)				
Glycerine	56-81-5	5 mg/m3 (TWA PEL)	12 2017	US CA OEL
(Respirable fraction.)				
Glycerine	56-81-5	15millions of particles per cubic foot of air	09 2016	Z3
(Respirable fraction.)				
Glycerine	56-81-5	5 mg/m3 (PEL)	02 2006	OSHA Z1
(Respirable fraction.)				
Glycerine	56-81-5	15 mg/m3 (PEL)	02 2006	OSHA Z1
(Total dust.)				
Glycerine	56-81-5	15 mg/m3 (TWA)	09 2016	Z3
(Total dust.)				
Glycerine	56-81-5	3 mg/m3 (TWA)	01 2021	ACGIH
(Respirable particles.)				
Glycerine	56-81-5	10 mg/m3 (TWA PEL)	12 2017	US CA OEL
(Total dust.)				
Glycerine	56-81-5	50millions of particles per cubic foot of air	09 2016	Z3
(Total dust.)				
Glycerine	56-81-5	5 mg/m3 (TWA)	09 2016	Z3
(Respirable fraction.)				
Glycerine	56-81-5	10 mg/m3 (TWA)	06 2008	TN OEL
(Total dust and mist.)				
Glycerine	56-81-5	5 mg/m3 (TWA)	06 2008	TN OEL
(Respirable fraction and dust or fume.)				

Exposure controls

Respiratory protection

Not required; except in case of aerosol formation.
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 nitrile rubber gloves

Eye protection

Safety glasses with side-shields

Skin and body protection

Wear long-sleeved shirt and long pants and shoes plus socks.
An emergency shower must be readily accessible to the work area.

General protective measures

In normal use and handling conditions please refer to the label

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and/or leaflet. In all other cases the following recommendations would apply.
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	suspension
Colour	off-white
Odour	fruity
Odour Threshold	No data available
pH	ca. 7 (1 %) (21 °C) aqueous suspension
Freezing temperature	ca. 0 °C / 32 °F Information refers to the solvent.
Boiling point/boiling range	ca. 100 °C / 212 °F Information refers to the solvent.
Flash point	> 100 °C / 212 °F No flash point - Determination conducted up to the boiling point.
Flammability	Not applicable
Auto-ignition temperature	425 °C / 797 °F
Thermal decomposition	165 °C Heating rate:2.5 K/min 315 °C Heating rate:2.5 K/min
Minimum ignition energy	No data available
Self-accelarating decomposition temperature (SADT)	>75 °C
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	ca. 23.3 hPa (ca. 20 °C) The data refer to the solvent.
Evaporation rate	Not applicable
Relative vapour density	No data available
Relative density	No data available
Density	ca. 1.09 g/cm ³ (20 °C)

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Water solubility	dispersible
Partition coefficient: n-octanol/water	No data available
Viscosity, dynamic	ca. 58 mPa.s (20 °C)
Viscosity, kinematic	No data available
Oxidizing properties	No oxidizing properties
Explosivity	Not explosive
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.
Conditions to avoid	Extremes of temperature and direct sunlight. Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents, Bases, Acids
Hazardous decomposition products	No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes	Skin contact, Eye contact, Ingestion, Inhalation
Immediate Effects	
Eye	Not expected to produce significant adverse effects when recommended use instructions are followed.
Skin	Causes skin irritation.
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 (female Rat) ca. 2,000 mg/kg

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	Information given is based on data on the components and the toxicology of similar products.
Acute inhalation toxicity	LC50 (male/female combined Rat) > 5.3 mg/l Exposure time: 4 h Information given is based on data on the components and the toxicology of similar products.
Acute dermal toxicity	LD50 (male/female combined Rat) > 5,000 mg/kg Information given is based on data on the components and the toxicology of similar products. No deaths
Skin corrosion/irritation	Irritating to skin. (Rabbit) Information given is based on data on the components and the toxicology of similar products.
Serious eye damage/eye irritation	No eye irritation (Rabbit) Information given is based on data on the components and the toxicology of similar products.
Respiratory or skin sensitisation	Skin: Non-sensitizing. (Guinea pig) OECD Test Guideline 406 Information given is based on data on the components and the toxicology of similar products.

Assessment STOT Specific target organ toxicity – single exposure

May cause respiratory irritation.

ACGIH

None.

NTP

None.

IARC

None.

Aspiration hazard

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

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) 0.0398 mg/l static test; Exposure time: 96 h Information given is based on data obtained from similar substances.
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) 0.063 mg/l static test; Exposure time: 48 h Information given is based on data obtained from similar substances.

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Toxicity to aquatic plants EC50 (Raphidocelis subcapitata (freshwater green alga)) > 10 mg/l static test; Exposure time: 72 h
Information given is based on data obtained from similar substances.

Results of PBT and vPvB assessment

Additional ecological information Information given is based on data on the components and the toxicology of similar products.

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.
Apply this product as specified on the label.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

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

Contaminated packaging Do not re-use empty containers.
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

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. (PYRACLOSTROBIN SOLUTION)**

IATA

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

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(PYRACLOSTROBIN 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. 7969-266-264

US Federal Regulations

TSCA list

Water	7732-18-5
Glycerine	56-81-5
Toluene	108-88-3

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

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

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

dimethyl sulphate	77-78-1	Carcinogenic.
Toluene	108-88-3	Developmental toxin.

US State Right-To-Know Ingredients

None.

Environmental

CERCLA

None.

Clean Water Section 307(a)(1)

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

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:

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Signal word: Caution!
Hazard statements: Harmful if swallowed.

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
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 - 1 Flammability - 0 Instability - 0 Others - none

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

Health - 2 Flammability - 0 Physical Hazard - 1 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 3: Composition / Information on Ingredients. Section 5: Fire Fighting Measures. Section 7: Handling and Storage. Section 11: Toxicological Information. Section 15: Regulatory information. Reviewed and updated for general editorial purposes.

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

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