

SAFETY DATA SHEET



ACCELERON® DX-612 FUNGICIDE SEED TREATMENT

Version 4.0 / USA
102000053378

1/11
Revision Date: 12/10/2021
Print Date: 12/14/2021

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

Product identifier

Trade name ACCELERON® DX-612 FUNGICIDE SEED TREATMENT
Product code (UVP) 62359658
SDS Number 102000053378
EPA Registration No. 7969-308-524

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
Reproductive toxicity: Effects on or via lactation

Labelling in accordance with regulation HCS 29CFR §1910.1200

Signal word: Warning

Hazard statements

May cause harm to breast-fed children.

Precautionary statements

Do not eat, drink or smoke when using this product.
Do not breathe dust or mist.
Avoid contact during pregnancy/ while nursing.
Wash skin thoroughly after handling.
IF exposed or concerned: Get medical advice/ attention.
Dispose of contents/container in accordance with local regulation.

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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
Fluxapyroxad	907204-31-3	28.46
Glycerine	56-81-5	7.0 – 10.0
Poly(oxy-1,2-ethanediyl),alphasulpho-omega-[tris(1-phenylethyl)phenoxy]-,ammonium salt	119432-41-6	1.0 – 3.0

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.
Ingestion	Call a physician or poison control center immediately. Do not give liquids 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.
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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 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.

Flash point No flash point - Determination conducted up to the boiling point.

Auto-ignition temperature ca. 431 °C / 807.8 °F

Lower explosion limit No data available

Upper explosion limit No data available

Explosivity No data available

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.

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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.
- Advice on protection against fire and explosion** Keep away from heat and sources of ignition. Take measures to prevent the build up of electrostatic charge.
- 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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Glycerine (Total dust.)	56-81-5	15 mg/m ³ (PEL)	02 2006	OSHA Z1
Glycerine (Respirable fraction.)	56-81-5	5 mg/m ³ (PEL)	02 2006	OSHA Z1
Glycerine (Respirable fraction and dust or fume.)	56-81-5	5 mg/m ³ (TWA)	06 2008	TN OEL
Glycerine (Total dust and mist.)	56-81-5	10 mg/m ³ (TWA)	06 2008	TN OEL

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

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Eye protection	Safety glasses with side-shields Tightly fitting safety goggles Safety glasses, in case of increased risk, also a face shield
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 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 pink
Odor	sweet
pH	ca. 6 - 8 (ca. 1 %) (ca. 20 °C)
Melting point/range	No data available
Boiling Point	ca. 100 °C / 212 °F
Flash point	No flash point - Determination conducted up to the boiling point.
Flammability	Not applicable
Auto-ignition temperature	ca. 431 °C / 807.8 °F
Thermal decomposition	160 °C, Decomposition energy: 30 kJ/kg
Thermal decomposition	300 °C, Decomposition energy: 110 kJ/kg
Minimum ignition energy	No data available
Self-accelerating decomposition temperature (SADT)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapor Pressure	ca. 23 hPa / 17.3 mm Hg (ca. 20 °C) Information refers to the main component.
Evaporation rate	No data available
Relative vapour density	No data available

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Relative density	No data available
Density	ca. 1.13 g/cm ³ (20 °C)
Water solubility	miscible
Partition coefficient: n-octanol/water	No data available
Viscosity, dynamic	ca. 24 mPa.s (ca. 20 °C)
Viscosity, kinematic	No data available
Oxidizing properties	No oxidizing properties
Explosivity	No data available

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. Static electricity.
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
Immediate Effects	
Eye	Not expected to produce significant adverse effects when recommended use instructions are followed.
Skin	May cause skin irritation.
Ingestion	Harmful if swallowed.
Inhalation	Not expected to produce significant adverse effects when recommended use instructions are followed.
Information on toxicological effects	

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Acute oral toxicity	LD50 (female Rat) > 2,000 mg/kg No deaths
Acute inhalation toxicity	LC50 (male/female combined Rat) > 5.2 mg/l Exposure time: 4 h Determined in the form of liquid aerosol. No deaths
Acute dermal toxicity	LD50 (male/female combined Rat) > 5,000 mg/kg No deaths
Skin corrosion/irritation	Slight irritant effect - does not require labelling. (Rabbit)
Serious eye damage/eye irritation	Minimally irritating. (Rabbit)
Respiratory or skin sensitisation	Skin: Sensitising (Guinea pig) Information given is based on data obtained from similar substances. May cause sensitisation by skin contact.

ACGIH

None.

NTP

None.

IARC

None.

OSHA

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)) 1.46 mg/l Exposure time: 96 h
Chronic toxicity to fish	Pimephales promelas (fathead minnow) flow-through test NOEC: 0.0359 mg/l Exposure time: 33 d The value mentioned relates to the active ingredient Fluxapyroxad.
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) 45.29 mg/l Exposure time: 48 h
Chronic toxicity to aquatic	NOEC (Daphnia magna (Water flea)): 0.5 mg/l

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invertebrates	Exposure time: 21 d The value mentioned relates to the active ingredient Fluxapyroxad.
Toxicity to aquatic plants	EC50 (Raphidocelis subcapitata (freshwater green alga)) 2.49 mg/l Exposure time: 72 h
Bioaccumulation	EC10 (Raphidocelis subcapitata (freshwater green alga)) 1.62 mg/l Exposure time: 72 h Oncorhynchus mykiss (rainbow trout) Exposure time: 28 d Bioconcentration factor (BCF): 36 - 37 The value mentioned relates to the active ingredient Fluxapyroxad. Does not bioaccumulate.
Results of PBT and vPvB assessment	
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

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Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(FLUXAPYROXAD SOLUTION)

IATA

UN number **3082**
Class 9
Packaging group III
Environm. Hazardous Mark YES
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(FLUXAPYROXAD 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. 7969-308-524

US Federal Regulations

TSCA list

Glycerine 56-81-5

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.

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

US State Right-To-Know Ingredients

Glycerine 56-81-5 MN, RI

Environmental

CERCLA

None.

Clean Water Section 307(a)(1)

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

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EPA/FIFRA Information:

This chemical is a pesticide product registered 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.

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 - 1 Instability - 0 Others - none

HMIS (Hazardous Materials Identification System, based on the Third 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

Reason for Revision: The following sections have been revised: Section 2: Hazards Identification. Section 3: Composition / Information on Ingredients. Section 11: Toxicological Information.

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

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