

ACCELERON® IC-609

Version 7.0 / USA 102000012783

Revision Date: 05/09/2022 Print Date: 05/11/2022

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

Product identifier

Trade name ACCELERON® IC-609
Product code (UVP) 06535151, 86296519

SDS Number 102000012783 **EPA Registration No.** 264-789-524

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

Use Insecticide, Seed treatment

Restrictions on useSee 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

Acute toxicity(Oral): Category 4
Acute toxicity(Inhalation): Category 4

Labelling in accordance with regulation HCS 29CFR §1910.1200



Signal word: Warning Hazard statements



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Harmful if swallowed or if inhaled.

Precautionary statements

Use only outdoors or in a well-ventilated area.

Avoid breathing mist/ vapours.

Do not eat, drink or smoke when using this product.

Wash skin thoroughly after handling.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.

Rinse mouth.

Dispose of contents and container to an approved waste disposal plant.

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	47.5
Glycerine	56-81-5	5.0 – 10.0
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	<0.1
and 2-methyl-2H-isothiazol-3-one (3:1)		

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. First Aid responders should pay attention to self-protection and use the

recommended protective clothing

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.

Ingestion Call a physician or poison control center immediately. Rinse mouth. Do

not give liquids to drink. DO NOT induce vomiting unless directed to do

so by a physician or poison control center. Do not leave victim

unattended. Never give anything by mouth to an unconscious person.



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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 Water spray, Carbon dioxide (CO2), Foam, Dry chemical

Unsuitable High volume water jet

Special hazards arising from the substance or

mixture

Dangerous gases are evolved in the event of a fire., Carbon monoxide (CO), Carbon dioxide (CO2), Hydrogen chloride (HCI), Nitrogen oxides

(NOx), 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 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 > 100 °C / > 212 °F

Auto-ignition temperature No data available

Lower explosion limit No data available

Upper explosion limit No data available

Explosivity Not applicable



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions Keep unauthorized people away. Isolate hazard area. Do not breathe

gas/fumes/vapour/spray. Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

Methods and materials for containment and cleaning up

Methods for cleaning upDike area to prevent runoff. Soak up with inert absorbent material

(e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect in containers for reclamation or disposal. 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 Handle and open container in a manner as to prevent spillage. Maintain

exposure levels below the exposure limit through the use of general and local exhaust ventilation. Do not breathe dust, fume, gas, mist, vapours or spray. Avoid formation of aerosol. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Emptied containers retain vapour

and product residue.

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.

Keep away from direct sunlight. Keep away from heat and sources of

ignition. Protect from freezing.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Clothianidin	210880-92-5	2.8 mg/m3 (TWA)		OES BCS*
Glycerine	56-81-5	10 mg/m3 (TWA)	01 2021	ACGIH
(Inhalable particles.)				
Glycerine	56-81-5	5 mg/m3 (TWA PEL)	12 2017	US CA OEL
(Respirable fraction.)	50.04.5	45 ''' (00.0040	70
Glycerine (Respirable fraction.)	56-81-5	15millions of particles per cubic foot of air (TWA)	09 2016	Z3
Glycerine	56-81-5	15 mg/m3	09 2016	Z3
Glycerine	30-61-3	(TWA)	09 2010	23
(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 (Total dust.)	56-81-5	50millions of particles per cubic foot of air (TWA)	09 2016	Z3
Glycerine	56-81-5	5 mg/m3	09 2016	Z3
	30-61-3	(TWA)	09 20 10	23
(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	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.)				

^{*}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



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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.

Under conditions immediately dangerous to life or health, or emergency conditions with unknown concentrations, use a full-face positive pressure air-supplied respirator equipped with an emergency escape air supply unit or use a self-contained breathing apparatus

unit.

Hand protection Chemical resistant nitrile rubber gloves

Eye protection Tightly fitting safety goggles

Safety glasses with side-shields

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.

Use suitable protective clothing, gloves and footwear, selected with

regard to use conditions and exposure potential.

General protective measures Follow manufacturer's instructions for cleaning/maintaining PPE. If

no such instructions for washables, use detergent and warm/tepid

Keep and wash PPE separately from other laundry.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form suspension

Colour white to light beige

Odour characteristic

Odour Threshold No data available

pН 5.0 - 7.0 (100 %) (23 °C)

Melting point/range No data available

Boiling Point

No data available

> 100 °C / > 212 °F Flash point

Flammability No data available

Auto-ignition temperature No data available

Minimum ignition energy Not applicable

Self-accelarating

decomposition temperature

(SADT)

No data available



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Upper explosion limitNo data availableLower explosion limitNo data availableVapour pressureNo data availableEvaporation rateNo data availableRelative vapour densityNo data availableRelative densityNo data available

Density ca. 1.25 g/cm³ (20 °C)

Water solubility miscible

Partition coefficient: n-

octanol/water

Clothianidin: log Pow: 0.9

Viscosity, dynamic 400 - 650 mPa.s (20 °C)

200 - 340 mPa.s (20 °C) Velocity gradient 20 /s 105 - 185 mPa.s (20 °C) Velocity gradient 100 /s

Viscosity, kinematic

Oxidizing properties

No data available

No data available

No data available

Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity Stable under normal conditions.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Extremes of temperature and direct sunlight.

Incompatible materials Strong acids, Strong bases, Strong oxidizing agents

Hazardous decomposition

products

No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION



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Exposure routes Ingestion, Skin Absorption, Inhalation, Eye contact

Immediate Effects

Eye Not expected to produce significant adverse effects when

recommended use instructions are followed.

Skin Harmful if absorbed through skin.

IngestionHarmful if swallowed.InhalationHarmful if inhaled.

Information on toxicological effects

Acute oral toxicity LD50 (female Rat) 2,000 mg/kg

Acute inhalation toxicity LC50 (male/female combined Rat) > 2.6 mg/l

Exposure time: 4 h

highest concentration tested

Determined in the form of liquid aerosol.

Acute dermal toxicity LD50 (male/female combined Rat) > 4,000 mg/kg

Skin corrosion/irritation No skin irritation (Rabbit)
Serious eye damage/eye No eye irritation (Rabbit)

irritation

Respiratory or skin

sensitisation

Skin: Non-sensitizing. (Guinea pig)

Assessment STOT Specific target organ toxicity - single exposure

Clothianidin: 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.

Assessment mutagenicity

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

Assessment carcinogenicity

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

ACGIH

None.

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.



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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.

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

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 (Lepomis macrochirus (Bluegill sunfish)) > 117 mg/l

static test; Exposure time: 96 h

The value mentioned relates to the active ingredient clothianidin.

Toxicity to aquatic invertebrates

EC50 (Daphnia magna (Water flea)) 40 mg/l

Exposure time: 48 h

The value mentioned relates to the active ingredient clothianidin.

EC50 (Chironomus riparius (non-biting midge)) 0.029 mg/l static test;

Exposure time: 48 h

The value mentioned relates to the active ingredient clothianidin.

Chronic toxicity to aquatic

invertebrates

NOEC (Daphnia magna (Water flea)): 0.12 mg/l

Exposure time: 21 d

The value mentioned relates to the active ingredient clothianidin.

EC10 (Chironomus riparius (non-biting midge)): 0.00072 mg/l

Exposure time: 28 d

The value mentioned relates to the active ingredient clothianidin.

Toxicity to aquatic plants EC50 (Raphidocelis subcapitata (freshwater green alga)) > 120 mg/l

static test; Exposure time: 72 h

The value mentioned relates to the active ingredient clothianidin.

NOEC (Raphidocelis subcapitata (freshwater green alga)) 15 mg/l

Growth rate; Exposure time: 72 h

The value mentioned relates to the active ingredient clothianidin.



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EC50 (Lemna gibba (gibbous duckweed)) > 121 mg/l

semi-static test; Exposure time: 14 d

The value mentioned relates to the active ingredient clothianidin.

NOEC (Lemna gibba (gibbous duckweed)) 59 mg/l

semi-static test; Exposure time: 14 d

The value mentioned relates to the active ingredient clothianidin.

Biodegradability Clothianidin:

Not rapidly biodegradable

Koc Clothianidin: Koc: 84 - 345

Bioaccumulation Clothianidin:

Does not bioaccumulate.

Mobility in soil Clothianidin: 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).

Environmental precautions Do not contaminate surface or ground water by cleaning equipment or

disposal of wastes, including equipment wash water.

Do not allow to get into surface water, drains and ground water.

Apply this product as specified on the label.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product 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.

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

regulations.

Contaminated packaging Do not re-use empty containers.

Triple rinse containers.

Dispose of empty container in a sanitary landfill or by incineration, or, if

allowed by State/Provincial and local authorities, by burning.

If burned, stay out of smoke.

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



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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 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 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.

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

POISON

SECTION 15: REGULATORY INFORMATION

EPA Registration No. 264-789-524

US Federal Regulations

TSCA list

Water 7732-18-5 Glycerine 56-81-5 1,2-Propanediol 57-55-6

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

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.



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US State Right-To-Know Ingredients

Glycerine 56-81-5 MN, RI 1,2-Propanediol 57-55-6 MN, RI

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:

Signal word: Caution!

Hazard statements: Harmful if swallowed or absorbed through skin.

Harmful if inhaled.

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



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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 5: Fire Fighting Measures. Section 11: Toxicological Information. Section 15: Regulatory 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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