

# SAFETY DATA SHEET



## GARLON™ XRT Herbicide

Version 2.0      Revision Date: 04/06/2022      SDS Number: 800080005017      Date of last issue: 04/04/2022  
Date of first issue: 04/04/2022

Corteva Agriscience™ encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of Canada and may not meet the regulatory requirements in other countries.

### SECTION 1. IDENTIFICATION

Product name : GARLON™ XRT Herbicide  
Other means of identification : No data available

#### Manufacturer or supplier's details

#### COMPANY IDENTIFICATION

Manufacturer/importer : CORTEVA AGRISCIENCE CANADA COMPANY  
#2450, 215 - 2ND STREET S.W.  
CALGARY AB, T2P 1M4  
CANADA

Customer Information Number : 800-667-3852  
E-mail address : solutions@corteva.com

Emergency telephone number : CANUTEC  
1-888-226-8832

#### Recommended use of the chemical and restrictions on use

Recommended use : End use herbicide product

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Eye irritation : Category 2A  
Skin sensitisation : Sub-category 1B  
Specific target organ toxicity - repeated exposure : Category 2 (Kidney)

#### GHS label elements

Hazard pictograms :



Signal word : Warning  
Hazard statements : H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs (Kidney) through prolonged or repeated exposure.

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Precautionary statements : **Prevention:**  
 P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
 P264 Wash skin thoroughly after handling.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves/ eye protection/ face protection.

**Response:**  
 P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P314 Get medical advice/ attention if you feel unwell.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.

**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Triclopyr-2-butoxyethyl ester	Triclopyr-2-butoxyethyl ester	64700-56-7	83.94
Balance	Balance	Not Assigned	16.06

\* Actual concentration or concentration range is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

If inhaled : Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice.

In case of skin contact : Take off contaminated clothing. Wash skin with soap and plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
 Wash clothing before reuse. Shoes and other leather items which cannot be decontaminated should be disposed of properly.  
 Suitable emergency safety shower facility should be available in work area.

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- |   |   |   |
|---|---|---|
| In case of eye contact                                      | : | Hold eyes 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 eyes. Call a poison control center or doctor for treatment advice.<br>Suitable emergency eye wash facility should be available in work area. |
| If swallowed  | : | Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.<br>Never give anything by mouth to an unconscious person.                               |
| Most important symptoms and effects, both acute and delayed | : | None known.   |
| Protection of first-aiders                                  | : | First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection).<br>If potential for exposure exists refer to Section 8 for specific personal protective equipment.   |
| Notes to physician  | : | No specific antidote.<br>Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.<br>Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment.  |

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### SECTION 5. FIREFIGHTING MEASURES

- |   |   |   |
|---|---|---|
| Suitable extinguishing media                  | : | Water spray<br>Alcohol-resistant foam   |
| Unsuitable extinguishing media                | : | None known.   |
| Specific hazards during fire-fighting         | : | Exposure to combustion products may be a hazard to health. Do not allow run-off from fire fighting to enter drains or water courses.  |
| Hazardous combustion products                 | : | During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.<br>Combustion products may include and are not limited to:<br>Nitrogen oxides (NO <sub>x</sub> )<br>Hydrogen chloride gas<br>Carbon oxides |
| Specific extinguishing methods                | : | Remove undamaged containers from fire area if it is safe to do so.<br>Evacuate area.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Use water spray to cool unopened containers.   |
| Further information                           | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.   |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.   |

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
- Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.  
Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.  
Prevent from entering into soil, ditches, sewers, undewater.  
See Section 12, Ecological Information.
- Methods and materials for containment and cleaning up : Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in.  
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped,  
Recovered material should be stored in a vented container. The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over-pressurization of the container.  
Keep in suitable, closed containers for disposal.  
Wipe up with absorbent material (e.g. cloth, fleece).  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
See Section 13, Disposal Considerations, for additional information.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Do not breathe vapours/dust.  
Do not smoke.  
Handle in accordance with good industrial hygiene and safety practice.  
Avoid exposure - obtain special instructions before use.  
Smoking, eating and drinking should be prohibited in the application area.  
Do not get on skin or clothing.  
Avoid inhalation of vapour or mist.  
Do not swallow.  
Do not get in eyes.  
Avoid contact with skin and eyes.  
Take care to prevent spills, waste and minimize release to the environment.  
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

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- Conditions for safe storage : Store in a closed container.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Keep in properly labelled containers.  
 Store in accordance with the particular national regulations.
- Materials to avoid : Do not store near acids.  
 Strong oxidizing agents
- Packaging material : Unsuitable material: None known.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Triclopyr-2-butoxyethyl ester	64700-56-7	TWA	2 mg/m <sup>3</sup>	Dow IHG

- Engineering measures** : Use engineering controls to maintain airborne level below exposure limit requirements or guidelines.  
 If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation.  
 Local exhaust ventilation may be necessary for some operations.

## Personal protective equipment

- Respiratory protection : Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.  
 If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.  
 In misty atmospheres, use an approved particulate respirator.

## Hand protection

- Remarks : Use gloves, chemically resistant to this material, at all times.  
 Examples of preferred glove barrier materials include: Butyl rubber. Polyethylene. Neoprene. Chlorinated polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable glove barrier materials include: Viton. Natural rubber ("latex"). Polyvinyl chloride ("PVC" or "vinyl"). Nitrile/butadiene rubber ("nitrile" or "NBR"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

- Eye protection : Use chemical goggles.
- Skin and body protection : Use chemical protective clothing resistant to this material, when there is any possibility of skin contact.  
 Wear a face-shield which allows use of chemical goggles, or wear a full-face respirator, to protect face and eyes when there is any likelihood of splashes.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid.
Colour	:	Yellow to orange
Odour	:	Musty
Odour Threshold	:	No data available
pH	:	4.49 (24.5 °C) Concentration: 1 % Method: pH Electrode (1% aqueous suspension)
Melting point/range	:	Not applicable
Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	> 100 °C  Method: closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	1.2572 g/cm <sup>3</sup> (20 °C) Method: Digital density meter
Solubility(ies)	:	
Water solubility	:	emulsifiable
Partition coefficient: n-octanol/water	:	No data available.
Auto-ignition temperature	:	Ramped Temperature
Viscosity	:	
Viscosity, dynamic	:	191.4 mPa,s ( 20.4 °C)
Oxidizing properties	:	No significant increase (>5C) in temperature.

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: No decomposition if stored and applied as directed. Stable under normal conditions.
Possibility of hazardous reactions	: Stable under recommended storage conditions. No hazards to be specially mentioned. None known.
Conditions to avoid	: None known.
Incompatible materials	: None.
Hazardous decomposition products	: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Nitrogen oxides (NO <sub>x</sub> ) Hydrogen chloride gas Carbon oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### **Product:**

Acute oral toxicity	: LD50 (Rat, female): 2,966 mg/kg
Acute inhalation toxicity	: LC50 (Rat, male and female): > 5.90 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rat, male and female): > 5,000 mg/kg

##### **Components:**

##### **Triclopyr-2-butoxyethyl ester:**

Acute oral toxicity	: LD50 (Rat, male and female): 803 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 4.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Symptoms: The LC50 value is greater than the Maximum Attainable Concentration. Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rabbit): > 2,000 mg/kg Symptoms: No deaths occurred at this concentration. Assessment: The substance or mixture has no acute dermal toxicity

#### Skin corrosion/irritation

##### **Product:**

Species	: Rabbit
Result	: Mild skin irritation

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**Components:****Triclopyr-2-butoxyethyl ester:**

Species                                : Rabbit  
Result                                    : No skin irritation

**Serious eye damage/eye irritation****Product:**

Species                                : Rabbit  
Result                                    : Eye irritation

**Components:****Triclopyr-2-butoxyethyl ester:**

Species                                : Rabbit  
Result                                    : No eye irritation

**Respiratory or skin sensitisation****Product:**

Species                                : Mouse  
Result                                    : The product is a skin sensitiser, sub-category 1B.

**Components:****Triclopyr-2-butoxyethyl ester:**

Species                                : Guinea pig  
Assessment                                : The product is a skin sensitiser, sub-category 1B.

**Germ cell mutagenicity****Components:****Triclopyr-2-butoxyethyl ester:**

Germ cell mutagenicity - Assessment                                : In vitro genetic toxicity studies were negative., Animal genetic toxicity studies were negative.

**Carcinogenicity****Components:****Triclopyr-2-butoxyethyl ester:**

Carcinogenicity - Assessment                                : For similar active ingredient(s), Triclopyr., Did not cause cancer in laboratory animals.

**Reproductive toxicity****Components:****Triclopyr-2-butoxyethyl ester:**

Reproductive toxicity - Assessment                                : For similar active ingredient(s), Triclopyr., In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals. Has been toxic to the fetus in laboratory animals at doses toxic to the mother., Did not cause birth defects in laboratory animals.



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### STOT - single exposure

**Product:**

Assessment : Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Components:**

**Triclopyr-2-butoxyethyl ester:**

Assessment : Evaluation of available data suggests that this material is not an STOT-SE toxicant.

### STOT - repeated exposure

**Components:**

**Triclopyr-2-butoxyethyl ester:**

Target Organs : Kidney  
Assessment : May cause damage to organs through prolonged or repeated exposure.

### Repeated dose toxicity

**Components:**

**Triclopyr-2-butoxyethyl ester:**

Remarks : In animals, effects have been reported on the following organs:  
Kidney.  
Liver.

### Aspiration toxicity

**Product:**

Based on physical properties, not likely to be an aspiration hazard.

**Components:**

**Triclopyr-2-butoxyethyl ester:**

Based on physical properties, not likely to be an aspiration hazard.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Components:**

**Triclopyr-2-butoxyethyl ester:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.36 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.9 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 3.00 mg/l  
End point: Growth rate inhibition  
Exposure time: 96 h  
Method: OECD Test Guideline 201

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ErC50 (Myriophyllum spicatum): 0.0473 mg/l  
Exposure time: 14 d

NOEC (Myriophyllum spicatum): 0.00722 mg/l  
Exposure time: 14 d

M-Factor (Acute aquatic toxicity) : 10  
Toxicity to fish (Chronic toxicity) : NOEC (Rainbow trout (Oncorhynchus mykiss)): 0.0263 mg/l  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 1.6 mg/l  
End point: number of offspring  
Exposure time: 21 d

LOEC (Daphnia magna (Water flea)): 5.1 mg/l  
End point: number of offspring  
Exposure time: 21 d

MATC (Maximum Acceptable Toxicant Level) (Daphnia magna (Water flea)): 2.9 mg/l  
End point: number of offspring  
Exposure time: 21 d

M-Factor (Chronic aquatic toxicity) : 10  
Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): > 1,042 mg/kg  
Exposure time: 14 d  
Toxicity to terrestrial organisms : oral LD50 (Colinus virginianus (Bobwhite quail)): 735 mg/kg  
bodyweight.  
Exposure time: 21 d

dietary LC50 (Colinus virginianus (Bobwhite quail)): 1890 mg/kg diet.  
Exposure time: 8 d

oral LD50 (Apis mellifera (bees)): > 110 µg/bee  
Exposure time: 48 h  
End point: mortality

contact LD50 (Apis mellifera (bees)): > 100 µg/bee  
Exposure time: 48 h  
End point: mortality

**Persistence and degradability****Components:****Triclopyr-2-butoxyethyl ester:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 18 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B or Equivalent  
Remarks: 10-day Window: Fail

Biochemical Oxygen Demand (BOD) : 0.004 kg/kg

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ThOD : 1.39 kg/kg

Stability in water : Test Type: Hydrolysis  
Degradation half life (half-life): 8.7 d (25 °C) pH: 7

Photodegradation : Rate constant: 2.3E-11 cm<sup>3</sup>/s  
Method: Estimated.

### Bioaccumulative potential

#### Components:

##### Triclopyr-2-butoxyethyl ester:

Bioaccumulation : Species: Fish  
Bioconcentration factor (BCF): 110

Partition coefficient: n-octanol/water : log Pow: 4.62  
pH: 7  
Remarks: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

#### **Balance:**

Partition coefficient: n-octanol/water : Remarks: No relevant data found.

### Mobility in soil

#### Components:

##### Triclopyr-2-butoxyethyl ester:

Distribution among environmental compartments : Remarks: Calculation of meaningful sorption data was not possible due to very rapid degradation in the soil.  
For the degradation product:  
Triclopyr.  
Potential for mobility in soil is very high (Koc between 0 and 50).

Stability in soil : Test Type: aerobic degradation  
Dissipation time: 144 - 1,248 h

#### **Balance:**

Distribution among environmental compartments : Remarks: No relevant data found.

### Other adverse effects

#### Components:

##### Triclopyr-2-butoxyethyl ester:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

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### Balance:

Results of PBT and vPvB assessment : This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Triclopyr-2-butoxyethyl Ester)

Class : 9

Packing group : III

Labels : 9

#### IATA-DGR

UN/ID No. : UN 3082

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(Triclopyr-2-butoxyethyl Ester)

Class : 9

Packing group : III

Labels : Miscellaneous

Packing instruction (cargo aircraft) : 964

Packing instruction (passenger aircraft) : 964

#### IMDG-Code

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
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Class : 9

Packing group : III

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Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes  
Remarks : Stowage category A

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****TDG**

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(Triclopyr-2-butoxyethyl ester)  
Class : 9  
Packing group : III  
Labels : 9  
ERG Code : 171  
Marine pollutant : yes(Triclopyr-2-butoxyethyl ester)

**Further information**

Marine Pollutants assigned UN number 3077 and 3082 in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code, IATA Special provision A197, and ADR/RID special provision 375.

For Canadian Ground transportation TDG Exemption: 1.45.1 Marine Pollutants (Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, do not apply if they are in transport solely on land by road vehicle or railway vehicle).

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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**SECTION 15. REGULATORY INFORMATION****The components of this product are reported in the following inventories:**

DSL : This product contains components that are not listed on the Canadian DSL nor NDSL.

Pest Control Products Act ( PCPA ) Registration Number : 28945

Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act (PCPA). There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control products label:

PCPA Label Hazard Communications:

Read the label and booklet before using. Keep out of reach of children.

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WARNING SKIN AND EYE IRRITANT  
POTENTIAL SKIN SENSITIZER

This product is highly toxic to:

Fish  
Aquatic plants  
Aquatic invertebrates

### SECTION 16. OTHER INFORMATION

#### Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

#### Full text of other abbreviations

Dow IHG : Dow Industrial Hygiene Guideline  
Dow IHG / TWA : Time Weighted Average (TWA):

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Revision Date : 04/06/2022  
Date format : mm/dd/yyyy

Product code: GF-1665

# SAFETY DATA SHEET



## GARLON™ XRT Herbicide

Version	Revision Date:	SDS Number:	Date of last issue: 04/04/2022
2.0	04/06/2022	800080005017	Date of first issue: 04/04/2022

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