according to the OSHA Hazard Communication Standard



Garlon 4 Ultra

Version	Revision Date:	SDS Number:	Date of last issue: 10/11/2023
1.3	02/29/2024	800080004588	Date of first issue: 03/31/2022

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 the United States and may not meet the regulatory requirements in other countries.

SECTION 1. IDENTIFICATION

Product name	: Garlon 4	Ultra					
Manufacturer or supplier's details							
COMPANY IDENTIFICATIO							
Manufacturer/importer	9330 ZIC INDIANA	VA AGRISCIENCE LLC DNSVILLE RD APOLIS, IN, 46268-1053 STATES					
Customer Information	: 1-800-25	58-3033					
E-mail address	: custome	rinformation@corteva.com					
Emergency telephone		AC (CONTRACT 84224) 992-5994 or +1 317-337-6009					

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 OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Skin sensitization	:	Sub-category 1B		
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney)		

GHS label elements

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rsion B	Revision Date: 02/29/2024	SDS Number: 800080004588	Date of last issue: 10/11/2023 Date of first issue: 03/31/2022
Haza	rd pictograms		
Signa	ll Word	: Warning	·
Haza	rd Statements		se an allergic skin reaction. se damage to organs (Kidney) through prolonge posure.
Preca	autionary Statements	Prevention:	
			reathe dust/ fume/ gas/ mist/ vapors/ spray. nated work clothing must not be allowed out of ptective gloves.
		P314 Get med P333 + P313 If attention.	F ON SKIN: Wash with plenty of soap and water ical advice/ attention if you feel unwell. skin irritation or rash occurs: Get medical advic ntaminated clothing before reuse.
		Disposal:	
		P501 Dispose posal plant.	of contents/ container to an approved waste dis-
Othe	r hazards		
None	known.		

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Triclopyr-2-butoxyethyl ester	64700-56-7	60.45
Balance	Not Assigned	>= 30 - < 40
Balance		>= 30 - < 4

Actual concentration 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 respration; 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 cent	ter

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		Wash c	r for treatment advice. othing before reuse. Shoes and other leather items annot be decontaminated should be disposed of
In cas	se of eye contact	20 minu minutes	es open and rinse slowly and gently with water for 15- tes. Remove contact lenses, if present, after the first 5 , then continue rinsing eyes. Call a poison control r doctor for treatment advice.
lf swa	llowed	ment ac low. Do control o	bison control center or doctor immediately for treat- vice. Have person sip a glass of water if able to swal- not induce vomiting unless told to do so by the poison center or doctor. ive anything by mouth to an unconscious person.
	important symptoms ffects, both acute and ed	: None kr	iown.
Prote	Protection of first-aiders		responders should pay attention to self-protection the recommended protective clothing (chemical re- loves, splash protection). ial for exposure exists refer to Section 8 for specific I protective equipment.
Notes	to physician	Treatme symptor Have th tainer o	ific antidote. ent of exposure should be directed at the control of ns and the clinical condition of the patient. e Safety Data Sheet, and if available, the product con- label with you when calling a poison control center or or going for treatment.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	Do not use direct water stream.
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 prod- ucts	:	During a fire, smoke may contain the original material in addi- tion to combustion products of varying composition which may be toxic and/or irritating.
		Combustion products may include and are not limited to: Nitrogen oxides (NOx)

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				Hydrogen chloride Carbon oxides	e gas
	Specific ods	c extinguishing meth-	:	so. Evacuate area. Use extinguishing cumstances and t	ged containers from fire area if it is safe to do measures that are appropriate to local cir- he surrounding environment. o cool unopened containers.
	Further	information	:	must not be disch Fire residues and	ted fire extinguishing water separately. This arged into drains. contaminated fire extinguishing water must accordance with local regulations.
	•	l protective equipment fighters	:		e, wear self-contained breathing apparatus. ective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency 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, underwater. See Section 12, Ecological Information.
Methods and materials for containment and cleaning up	:	Clean up remaining materials from spill with suitable absorb- ant. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in. For large spills, provide dyking or other appropriate contain- ment 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). Neutralize with chalk, alkali solution or ammonia. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

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		See Section 1 mation.	3, Disposal Considerations, for additional infor-
SECTION	7. HANDLING AND ST	TORAGE	
Advid	e on safe handling	allergies, chro be employed i used. Handle in acco practice. Avoid exposur Smoking, eatin plication area. Do not get on Avoid inhalatio Do not swallow Avoid contact Take care to p environment. Use appropria	
Conc	litions for safe storage	kept upright to Keep in prope	ed container. ich are opened must be carefully resealed and prevent leakage. rly labeled containers. dance with the particular national regulations.
Mate	rials to avoid	: Do not store n Strong oxidizir	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Triclopyr-2-butoxyethyl ester	64700-56-7	TWA	2 mg/m3	Dow IHG
Engineering measures : Use local ext maintain airb guidelines. I		orne levels below there are no app elines, general v	or other engineering v exposure limit requi blicable exposure limi ventilation should be s	rements or t require-

Personal protective equipment

Respiratory protection	:	Respiratory protection should be worn when there is a poten- tial to exceed the exposure limit requirements or guidelines.
		If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects,

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			enced, or where For most conditi	ory irritation or discomfort have been experi- indicated by your risk assessment process. ons no respiratory protection should be er, if discomfort is experienced, use an ap- ring respirator.
Hand	protection			
Re	emarks	:	longed or freque of preferred glov Chlorinated poly laminate ("EVAI materials includ trile/butadiene rr ("PVC" or "vinyl" glove for a partie workplace shou place factors su which may be h protection, dexter tions to glove m	mically resistant to this material when pro- ently repeated contact could occur. Examples ve barrier materials include: Butyl rubber. vethylene. Polyethylene. Ethyl vinyl alcohol). Examples of acceptable glove barrier e: Natural rubber ("latex"). Neoprene. Ni- ubber ("nitrile" or "NBR"). Polyvinyl chloride '). Viton. NOTICE: The selection of a specific cular application and duration of use in a Id also take into account all relevant work- ch as, but not limited to: Other chemicals andled, physical requirements (cut/puncture erity, thermal protection), potential body reac- aterials, as well as the instruc- ons provided by the glove supplier.
Eye p	rotection	:	Use safety glass	ses (with side shields).
Skin a	and body protection	:	Selection of spe	lothing chemically resistant to this material. cific items such as face shield, boots, apron, will depend on the task.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid.
Color	:	Yellow
Odor	:	Mild
Odor Threshold	:	No data available
рН	:	3.36 (73 °F / 23 °C) Concentration: 1 % Method: pH Electrode (1% aqueous suspension)
Melting point/range	:	Not applicable
Freezing point		No data available

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	Boiling	point/boiling range	:	No data available	9		
	Flash p	oint	:	: > 212 °F / > 100 °C			
				Method: Pensky-	Martens Closed Cup ASTM D 93, closed cup		
	Evapor	ation rate	:	No data available)		
	Flamma	ability (solid, gas)	:	No data available)		
	Upper explosion limit / Upper flammability limit		:	No data available			
		explosion limit / Lower bility limit	:	No data available			
	Vapor pressure Relative vapor density Density		:	No data available)		
			:	No data available)		
			:	1.11 g/cm3 (68 ° Method: Digital d			
	Solubili Wat	ty(ies) er solubility	:	emulsifies			
	Autoigr	ition temperature	:	> 617 °F / > 325	°C		
	Viscosi Visc	ty sosity, dynamic	:	23.4 mPa.s (68 °	F / 20 °C)		
				10.8 mPa.s (104	°F / 40 °C)		
	Explosi	ve properties	:	No			
	Oxidizir	ng properties	:	No significant inc	rease (>5C) in temperature.		

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 reac- tions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	None known.

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Incom	patible materials	: Strong oxidizin	g agents
Haza produ	rdous decomposition cts	and the presen	ride gas

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity		
Product:		
Acute oral toxicity	:	LD50 (Rat, female): 3,200 mg/kg Method: OECD Test Guideline 425
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 5.05 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Symptoms: No deaths occurred at this concentration. Assessment: The substance or mixture has no acute inhala- tion toxicity
Acute dermal toxicity	:	LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402
<u>Components:</u>		
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 inhala- tion 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 Method	:	Rabbit OECD Test Guideline 404

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Result : Mild skin irritation Components: : Triclopyr-2-butoxyethyl ester: : Rabbit Result : No skin irritation Serious eye damage/eye irritation : Species : Rabbit Result : No eye irritation Species : Rabbit Result : No eye irritation Components: : Triclopyr-2-butoxyethyl ester: : Species : Rabbit Result : No eye irritation Result : In ore eye assay (LLNA) Species : Mouse Result : The product is a skin sensitizer, sub-category 1B. Components: : In eyr	rsion	Revision Date: 02/29/2024		DS Number: 0080004588	Date of last issue: 10/11/2023 Date of first issue: 03/31/2022
Triclopyr-2-butoxyethyl ester: Species Rabbit Result No skin irritation Serious eye damage/eye irritation Product: Species Rabbit Result No eye irritation Components: Triclopyr-2-butoxyethyl ester: Species Rabbit Result No eye irritation Components: Triclopyr-2-butoxyethyl ester: Species Rabbit Result No eye irritation Respiratory or skin sensitization Product: Local lymph node assay (LLNA) Species Mouse Result The product is a skin sensitizer, sub-category 1B. Components: Triclopyr-2-butoxyethyl ester: Species Guinea pig Assessment The product is a skin sensitizer, sub-category 1B. Germ cell mutagenicity In vitro genetic toxicity studies were negative., Animal gene toxicity studies were negative. Garcinogenicity In vitro genetic toxicity studies were negative., Animal gene toxicity studies were negative., Animal gene toxicity studies were negative. Carcinogenicity Species in laboratory animals.	Resul	t	:	Mild skin irritation	
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Carcinogenicity <u>Components:</u> Triclopyr-2-butoxyethyl ester: Carcinogenicity - Assess- Example in the image of			:		
Components: Triclopyr-2-butoxyethyl ester: Carcinogenicity - Assess- ment For similar active ingredient(s)., Triclopyr., Did not cause carcer in laboratory animals.	Asses	sment		toxicity studies w	ere negative.
Triclopyr-2-butoxyethyl ester: Carcinogenicity - Assess- : ment For similar active ingredient(s)., Triclopyr., Did not cause car	Carci	nogenicity			
Carcinogenicity - Assess- ment : For similar active ingredient(s)., Triclopyr., Did not cause ca cer in laboratory animals.	Comp	oonents:			
ment cer in laboratory animals.	Triclo	pyr-2-butoxyethyl e	ester:		
ment cer in laboratory animals.	Carcir	nogenicity - Assess-	:	For similar active	ingredient(s)., Triclopyr., Did not cause ca
IARC No ingredient of this product present at levels areater than or equal to 0.1% is		· -			
	IARC	No ingredi	ent of t	his product presen	t at levels greater than or equal to 0.1% is



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	identified	as probable, possible o	or confirmed human carcinogen by IARC.
OSHA		onent of this product pr a's list of regulated carc	esent at levels greater than or equal to 0.1% is inogens.
NTP			sent at levels greater than or equal to 0.1% is ted carcinogen by NTP.
Repro	ductive toxicity		
Comp	onents:		
Triclo	oyr-2-butoxyethyl	ester:	
Reproo sessm	ductive toxicity - As ent	mal studies, e doses that pro Has been toxi	tive ingredient(s)., Triclopyr., In laboratory ani- iffects on reproduction have been seen only at oduced significant toxicity to the parent animals ic to the fetus in laboratory animals at doses other., Did not cause birth defects in laboratory
STOT-	single exposure		
Produ	<u>ct:</u>		
Assess	sment	: Evaluation of an STOT-SE	available data suggests that this material is no toxicant.
<u>Comp</u>	onents:		
Triclo	oyr-2-butoxyethyl	ester:	
Assess	sment	: Evaluation of an STOT-SE	available data suggests that this material is no toxicant.
STOT-	repeated exposu	re	
<u>Comp</u>	onents:		
Triclo	oyr-2-butoxyethyl	ester:	
-	Organs	: Kidney	amage to organs through prolonged or repeated
Aspira	tion toxicity		
Produ	ct:		
		action contration have	d could not be determined.

Triclopyr-2-butoxyethyl ester:

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

according to the OSHA Hazard Communication Standard



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SECTION	ECTION 12. ECOLOGICAL INFORMATION							
Eco	toxicity							
Proc	duct:							
Toxi	city to fish	:	Exposure time: 96	est Guideline 203 or Equivalent				
			Exposure time: 96	hus mykiss (rainbow trout)): 0.984 mg/l 5 h est Guideline 203 or Equivalent				
	city to daphnia and other atic invertebrates	:	Exposure time: 48	est Guideline 202 or Equivalent				
Toxi plan	city to algae/aquatic ts	:	mg/l End point: Biomas Exposure time: 72	h est Guideline 201 or Equivalent				
Toxi isms	city to terrestrial organ-	:		s virginianus (Bobwhite quail)): 1,350 mg/kg on information for a similar material:				
<u>Con</u>	nponents:							
Tric	lopyr-2-butoxyethyl este	er:						
Toxi	city to fish	:	LC50 (Lepomis m Exposure time: 96 Test Type: flow-th					
	city to daphnia and other atic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te					
Toxi plan	city to algae/aquatic ts	:	ErC50 (Pseudokir mg/l End point: Growth Exposure time: 96 Method: OECD Te	6 h				
			ErC50 (Myriophyll Exposure time: 14	um spicatum): 0.0473 mg/l d				
			NOEC (Myriophyll Exposure time: 14	lum spicatum): 0.00722 mg/l d				
M-Fa	actor (Acute aquatic tox-	:	10					



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	icity)				
	Toxicity icity)	v to fish (Chronic tox-	:	NOEC (Rainbow t	rout (Oncorhynchus mykiss)): 0.0263 mg/l
		v to daphnia and other invertebrates (Chron- ty)	:	NOEC (Daphnia n End point: numbe Exposure time: 21	
				LOEC (Daphnia m End point: numbe Exposure time: 21	
				MATC (Maximum magna (Water flea End point: numbe Exposure time: 21	r of offspring
	M-Factor toxicity)	or (Chronic aquatic	:	10	
	Toxicity ganism	r to soil dwelling or- s	:	LC50 (Eisenia feti Exposure time: 14	da (earthworms)): > 1,042 mg/kg ∙ d
	Toxicity isms	v to terrestrial organ-	:	oral LD50 (Colinus bodyweight. Exposure time: 21	s virginianus (Bobwhite quail)): 735 mg/kg d
				dietary LC50 (Coli mg/kg diet. Exposure time: 8 d	nus virginianus (Bobwhite quail)): 1890 d
				oral LD50 (Apis m Exposure time: 48 End point: mortali	
				contact LD50 (Api Exposure time: 48 End point: mortalit	
	Persist	ence and degradabili	ity		
	Components:				
	•	y r-2-butoxyethyl este radability	er: :	Result: Not biodeg Biodegradation: 1 Exposure time: 28 Method: OECD Te Remarks: 10-day	8 % d est Guideline 301B or Equivalent
	Biochei mand (mical Oxygen De- BOD)	:	0.004 kg/kg	

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ThO	D	:	1.39 kg/kg	
Stabi	ility in water	:	Test Type: Hydro Degradation half	ysis ife (half-life): 8.7 d (25 °C) pH: 7
Phote	odegradation	:	Rate constant: 2.3 Method: Estimate	
Bioa	ccumulative potential			
Com	ponents:			
Tricl	opyr-2-butoxyethyl est	er:		
Bioa	ccumulation	:	Species: Fish Bioconcentration	factor (BCF): 110
	tion coefficient: n-	:	log Pow: 4.62	
octar	nol/water			centration potential is moderate (BCF be- 000 or Log Pow between 3 and 5).
Bala	nce:			
	tion coefficient: n- nol/water	:	Remarks: No rele	vant data found.
Mob	Mobility in soil			
<u>Com</u>	ponents:			
	opyr-2-butoxyethyl est	er:		
	ibution among environ- tal compartments	:	possible due to ve For the degradation Triclopyr.	tion of meaningful sorption data was not ery rapid degradation in the soil. on product: lity in soil is very high (Koc between 0 and
Stabi	ility in soil	:	Test Type: aerobi Dissipation time:	
Bala	nce:			
	ibution among environ- tal compartments	:	Remarks: No rele	vant data found.
Othe	er adverse effects			
<u>Com</u>	ponents:			
Resu	opyr-2-butoxyethyl est ults of PBT and vPvB ssment	er: :		not considered to be persistent, bioaccumu- BT). This substance is not considered to be



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			very persistent ar	nd very bioaccumulating (vPvB).		
Ozone-Depletion Potential		: Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.				
Bala	nce:					
	Ilts of PBT and vPvB ssment	:	This substance h cumulation and to	as not been assessed for persistence, bioac- oxicity (PBT).		
Ozor	ne-Depletion Potential	:		ubstance is not on the Montreal Protocol list at deplete the ozone layer.		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal	methods
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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 other- wise contaminated. It is the responsibility of the waste gener- ator to determine the toxicity and physical properties of the material generated to determine the proper waste identifica- tion and disposal methods in compliance with applicable regu- lations. If the material as supplied becomes a waste, follow all appli-
		cable regional, national and local laws.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triclopyr-2-butoxyethyl ester)
Class Packing group	:	9 III
Labels Environmentally hazardous	:	9 no
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	:	964



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aircraf Packir ger air	ng instruction (passen-	:	964	
IMDG∙ UN nu Prope⊧		:	UN 3082 ENVIRONMENTA N.O.S. (Triclopyr-2-butox	ALLY HAZARDOUS SUBSTANCE, LIQUID,
Class Packing group Labels EmS Code Marine pollutant Remarks		:	9 III 9 F-A, S-F yes(Triclopyr-2-butoxyethyl ester) Stowage category A	

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

Not applicable for product as supplied.

Domestic regulation

49 CFR Road

Not regulated as a dangerous good

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 5L 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.

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.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards	Respiratory or skin sensitization Specific target organ toxicity (single or repeated exposure)		
SARA 313 :	The following components are subject to reporting levels es- tablished by SARA Title III, Section 313:		
	Triclopyr-2- butoxyethyl ester	64700-56-7	>= 50 - < 70 %
	2-butoxyethanol	111-76-2	>= 0.1 - < 1 %
	2-Butoxyethyl Chloroacetate	5330-17-6	>= 0.1 - < 1 %

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US State Regulations

Pennsylvania Right To Know

Triclopyr-2-butoxyethyl ester

64700-56-7

The ingredients of this product are reported in the following inventories:TSCA:Product contains substance(s) not listed on TSCA inventory.

TSCA list

The following substance(s) is/are subject to a Significant New Use Rule: Triclopyr Ethyl Ester: 3,5,6-Trichloro- 60825-27-6 See 40 CFR § 721.8775; Final Rule 2-pyridinyloxyacetic acid, ethyl ester

No substances are subject to TSCA 12(b) export notification requirements.

Federal Insecticide, Fungicide and Rodenticide Act

EPA Registration Number : 62719-527

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 as required on the pesticide label:

CAUTION

Causes moderate eye irritation Harmful if swallowed Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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):

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM -American Society for the Testing of Materials; ECx - Concentration associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; 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;

according to the OSHA Hazard Communication Standard



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n.o.s. - not otherwise specified; NOEC - Non-Observed Effective Concentration; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; (Q)SAR - (Quantitative) Structure Activity Relationship; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SDS - Safety Data Sheet; UN - United Nations. CFR - Code of Federal Regulations. IARC - International Agency for Research on Cancer. IATA-DGR - International Air Transport Association Dangerous Goods Regulations. OSHA - Occupational Safety and Health Administration. RCRA - Resource Conservation and Recovery Act. RQ - Reportable Quantity. SARA - Superfund Amendments and Reauthorization Act. TSCA - Toxic Substances Control Act.

Revision Date : 02/29/2024

Product code: GF-1529

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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