according to the Hazardous Products Regulations



MILESTONE™ Herbicide

Version	Revision Date:	SDS Number:	Date of last issue: 09/29/2022
2.0	03/13/2025	800080004418	Date of first issue: 09/29/2022

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.

TION 1. IDENTIFICATION		
Product name	:	MILESTONE™ Herbicide
Other means of identification	:	No data available
Manufacturer or supplier's de COMPANY IDENTIFICATION	eta	ils
Manufacturer/importer	:	CORTEVA AGRISCIENCE CANADA COMPANY SUITE 240, 115 QUARRY PARK RD. SE CALGARY AB, T2C 5G9 CANADA
Customer Information Number	:	800-667-3852
E-mail address	:	solutions@corteva.com
Emergency telephone number	:	Corteva Canada Solutions: 1-800-667-3852
Recommended use of the che	em	ical and restrictions on use
Recommended use	:	End use herbicide product

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in acc Not a hazardous substance GHS label elements	ordance with the Hazardous Products Regulations e or mixture.
Not a hazardous substance	er mixture.
Other hazards	
None known.	
CTION 3. COMPOSITION/IN	FORMATION ON INGREDIENTS
Substance / Mixture	: Mixture
A	

SEC

Components

Chemical name	Common	CAS-No.	Concentration (% w/w)
	Name/Synonym		
Aminopyralid Triisopro-	Aminopyralid	566191-89-7	
panolamine Salt	Triisopropanola-		40.64
-	mine Salt		
1,1',1'-nitrilotripropan-	1,1',1'-nitrilot-	122-20-3	>= 1 - < 5 *
2-ol	ripropan-2-ol		>= 1 - < 5
Balance	Balance	Not Assigned	> 50
4			

* 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.

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In If s Mo	case of skin contact case of eye contact swallowed ost important symptoms d effects, both acute and	:	plenty of water for or doctor for treat Hold eyes open a 20 minutes. Remo minutes, then con ter or doctor for tr	nd rinse slowly and gently with water for 15- ove contact lenses, if present, after the first 5 itinue rinsing eyes. Call a poison control cen-
Pro	layed otection of first-aiders ites to physician	:	personal protective No specific antido Treatment of expo symptoms and the Have the Safety D	te. bsure should be directed at the control of e clinical condition of the patient. Data Sheet, and if available, the product con- n you when calling a poison control center or
	N 5. FIREFIGHTING MEAS	SUR		
Su	itable extinguishing media	:	Water spray Alcohol-resistant	foam
Un dia	suitable extinguishing me-	:	None known.	
•	ecific hazards during fire- hting	:	Exposure to comb	oustion products may be a hazard to health.
Ha uct	zardous combustion prod- ts	:	tion to combustion be toxic and/or irr	ucts may include and are not limited to:
Sp od	ecific extinguishing meth- s	:	so. Evacuate area.	ged containers from fire area if it is safe to do to cool unopened containers.
Fu	rther information	:		measures that are appropriate to local cir-
	ecial protective equipment firefighters	:	essary.	ed breathing apparatus for firefighting if nec- rective equipment.
Pe tive	N 6. ACCIDENTAL RELEA rsonal precautions, protec- e equipment and emer- ncy procedures		Use appropriate s	afety equipment. For additional information, Exposure Controls and Personal Protection.
En	vironmental precautions	:		e environment must be avoided. akage or spillage if safe to do so.
			2 / 14	

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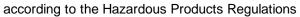


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			barriers). Retain and dis	bose of contames should be ac	e area (e.g. by contair ninated wash water. dvised if significant spi	
	ods and materials for inment and cleaning up	:	ant. Local or nation posal of this m employed in. For large spills ment to keep n be pumped, Recovered ma The vent must with spilled ma pressurization Keep in suitabl Wipe up with a	al regulations r aterial, as well , provide dyking naterial from sp terial should be prevent the ing terials can take of the containe e, closed conta bsorbent mate	from spill with suitable nay apply to releases as those materials an g or other appropriate preading. If dyked mat e stored in a vented co gress of water as furth e place which could lea r. ainers for disposal. rial (e.g. cloth, fleece) nsiderations, for addition	and dis- d items contain- erial can ontainer. er reaction ad to over-
	7. HANDLING AND STO e on safe handling	RA :	Do not breather Handle in accor practice. Smoking, eatin cation area. Take care to p environment. Use appropriat	rdance with go og and drinking revent spills, w e safety equipr	od industrial hygiene should be prohibited i aste and minimize rele nent. For additional in Controls and Personal	n the appli- ease to the formation,
	itions for safe storage rials to avoid	:	Store in a close Keep in proper Store in accord Strong oxidizin	ly labelled cont dance with the	ainers. particular national reg	ulations.
	aging material	÷	Unsuitable ma		own.	
	8. EXPOSURE CONTRO					
	onents with workplace ponents	CO	ntrol paramete CAS-No.	rs Value type (Form of ex- posure)	Control parame- ters / Permissible concentration	Basis
1,1',1	l'-nitrilotripropan-2-ol		122-20-3	TWA	10 mg/m3	Corteva C
Engi	neering measures	:	maintain airbo guidelines. If ments or guide for most opera	rne levels belo there are no ap elines, general ations.	or other engineering w exposure limit requi pplicable exposure limi ventilation should be s y be necessary for sor	rements or t require- sufficient
	nal protective equipme iratory protection	ent :	Respiratory pr tial to exceed	the exposure li	l be worn when there mit requirements or gu osure limit requiremen	uidelines.

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				such as respirato enced, or where For most condition	respiratory protection when adverse effects, bry irritation or discomfort have been experi- indicated by your risk assessment process. ons no respiratory protection should be or, if discomfort is experienced, use an ap- ng respirator.
		protection narks	:	dling this materia for any material,	ive gloves should not be needed when han- I. Consistent with general hygienic practice skin contact should be minimized.
		otection nd body protection	:		es (with side shields). ther than clean body-covering clothing d.
	TION 9. Appear	PHYSICAL AND CHE ance	MIC	AL PROPERTIES Liquid.	3
	Colour		:	Brown	
	Odour		:	Mild	
	Odour [·]	Threshold	:	No data available	9
	pН		:	7.3 (19.8 °C) Method: pH Elec	trode
	Melting	point/ range	:	Not applicable	
	Freezin	ig point		< -10 °C	
	Boiling	point/boiling range	:	No data available	9
	Flash p	oint	:	> 100 °C	
				Method: Pensky	Martens Closed Cup ASTM D 93
	Evapor	ation rate	:	No data available	9
	Flamma	ability (solid, gas)	:	Not applicable	
		explosion limit / Upper bility limit	:	No data available	9
		explosion limit / Lower bility limit	:	No data available	9
	Vapour	pressure	:	No data available	9
	Relative	e vapour density	:	No data available	9
	Relative	e density	:	No data available	Э
	Density		:	1.1401 g/cm3 (2 Method: Digital c	
2	Solubilit Wat	y(les) er solubility	:	Soluble	



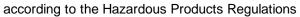


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	Auto-ig	nition temperature	:	none below 400 c	degC				
٧	/iscosity Visc	/ osity, dynamic	:		PTS 830.7100 (Viscosity)				
l	Explosi	ve properties	:	No					
(Oxidizir	ng properties	:	No					
:	Surface	e tension	:	: 54.4 mN/m, 20 °C					
	Particle Particle	characteristics size	:	Not applicable					
		. STABILITY AND RE	АСТ		o rootivity bozord				
	Reactiv Chemic	al stability	:		a reactivity hazard. n if stored and applied as directed. mal conditions				
	Possibi tions	lity of hazardous reac-	:	Stable under reco	ommended storage conditions. e specially mentioned.				
		ons to avoid atible materials	:	None known. Strong acids Strong bases					
	Hazard product	ous decomposition s	:	Decomposition pl and the presence					
		. TOXICOLOGICAL IN	IFO						
	Acute to Product								
		ral toxicity	:	Method: OECD Te	and female): > 5,000 mg/kg est Guideline 401 tion source: Internal study report				
	Acute ir	nhalation toxicity		Exposure time: 4 Test atmosphere: Method: OECD Te Assessment: The tion toxicity	dust/mist				
		lermal toxicity		Method: OECD Te	and female): > 5,000 mg/kg est Guideline 402 tion source: Internal study report				
	Compo			no Salti					
		yralid Triisopropanol oral toxicity		ne Salt: LD50 (Rat): > 5,00 Remarks: For sim					
	Acute in	nhalation toxicity	:	LC50 (Rat): > 5.79 Exposure time: 4					

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sion	Revision Date: 03/13/2025	SDS Number: 800080004418	Date of last issue: 09/29/2022 Date of first issue: 09/29/2022
		tion toxicity	ere: dust/mist The substance or mixture has no acute inhala similar material(s):
Acute	dermal toxicity	: LD50 (Rat): > Remarks: For	5,000 mg/kg similar material(s):
	-nitrilotripropan-2-ol: oral toxicity	: LD50 (Rat): 4,	000 mg/kg
Acute	inhalation toxicity	rated atmosph	deaths occurred following exposure to a sat
Acute	dermal toxicity	: LD50 (Rabbit):	> 5,000 mg/kg
	orrosion/irritation		
Produ		· Dahhit	
Specie Result		: Rabbit : No skin irritatio	n
Rema	-		urce: Internal study report
Result	-	alamine Salt: : No skin irritatio	on
Result 1,1',1'- Result	t -nitrilotripropan-2-ol: t	No skin irritatioNo skin irritatio	
Result 1,1',1'- Result Seriou	t -nitrilotripropan-2-ol: t is eye damage/eye irri	No skin irritatioNo skin irritatio	
Result 1,1',1'- Result Seriou <u>Produc</u>	t -nitrilotripropan-2-ol: t is eye damage/eye irri <u>ct:</u>	: No skin irritatio : No skin irritatio	
Result 1,1',1'- Result Seriou <u>Produc</u> Specie	t -nitrilotripropan-2-ol: t is eye damage/eye irri <u>ct:</u> es	: No skin irritatio : No skin irritatio itation : Rabbit	on
Result 1,1',1'- Result Seriou Specie Result	t -nitrilotripropan-2-ol: t is eye damage/eye irri ct: es t	: No skin irritatio : No skin irritatio itation : Rabbit : No eye irritatio	n
Result 1,1',1'- Result Seriou <u>Produc</u> Specie	t -nitrilotripropan-2-ol: t is eye damage/eye irri <u>ct:</u> es t od	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Guitation 	n
Result 1,1',1'- Result Seriou Produc Specie Result Metho Rema Compo	t -nitrilotripropan-2-ol: t is eye damage/eye irri <u>ct:</u> es t od urks <u>onents:</u>	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Guitation Information so 	n uideline 405
Result 1,1',1'- Result Seriou Produc Specie Result Metho Rema <u>Compo</u> Amino	t -nitrilotripropan-2-ol: t is eye damage/eye irri ct: es t od irks <u>onents:</u> opyralid Triisopropano	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Go Information so 	n uideline 405 urce: Internal study report
Result 1,1',1'- Result Seriou Produc Specie Result Metho Rema Compo	t -nitrilotripropan-2-ol: t is eye damage/eye irri ct: es t od irks <u>onents:</u> opyralid Triisopropano	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Guitation Information so 	n uideline 405 urce: Internal study report
Result 1,1',1'- Result Seriou Produc Specie Result Metho Rema Compe Amino Result 1,1',1'-	t -nitrilotripropan-2-ol: t ns eye damage/eye irri c <u>t:</u> es t od irks <u>onents:</u> pyralid Triisopropano t -nitrilotripropan-2-ol:	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Guite Information so 	n uideline 405 urce: Internal study report
Result 1,1',1'- Result Seriou Produc Specie Result Metho Rema Compe Amino Result	t -nitrilotripropan-2-ol: t ns eye damage/eye irri c <u>t:</u> es t od irks <u>onents:</u> pyralid Triisopropano t -nitrilotripropan-2-ol:	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Go Information so 	n uideline 405 urce: Internal study report
Result 1,1',1'- Result Seriou Produc Specie Result Metho Rema Compo Amino Result 1,1',1'- Result Result 1,1',1'-	nitrilotripropan-2-ol: t s eye damage/eye irri ct: es t od urks <u>onents:</u> opyralid Triisopropano t -nitrilotripropan-2-ol: t ratory or skin sensitis	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Guestion Information so 	n uideline 405 urce: Internal study report
Result 1,1',1'- Result Seriou Produc Specie Result Metho Rema Compo Amino Result 1,1',1'- Result Result 1,1',1'- Result	nitrilotripropan-2-ol: t rs eye damage/eye irri c <u>ct:</u> es t od urks <u>onents:</u> opyralid Triisopropano t -nitrilotripropan-2-ol: t ratory or skin sensitis <u>ct:</u>	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Go Information so Damine Salt: No eye irritation Eye irritation 	n uideline 405 urce: Internal study report n
Result 1,1',1'- Result Seriou Produc Specia Result Metho Rema Compo Amino Result 1,1',1'- Result 1,1',1'- Result Test T	enitrilotripropan-2-ol: t rs eye damage/eye irri ct: es t od irks <u>onents:</u> opyralid Triisopropano t -nitrilotripropan-2-ol: t ratory or skin sensitis ct: Type	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Go Information so Damine Salt: No eye irritation Eye irritation Eye irritation 	n uideline 405 urce: Internal study report n
Result 1,1',1'- Result Seriou Produc Specie Result Metho Result 1,1',1'- Result 1,1',1'- Result 1,1',1'- Result 1,1',1'- Result 1,1',1'-	enitrilotripropan-2-ol: t rs eye damage/eye irri ct: es t od irks <u>onents:</u> opyralid Triisopropano t -nitrilotripropan-2-ol: t ratory or skin sensitis ct: Type	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Go Information so Dlamine Salt: No eye irritation Eye irritation Eye irritation ation Maximisation T Guinea pig 	n uideline 405 urce: Internal study report n
Result 1,1',1'- Result Seriou Produc Specie Result Metho Result 1,1',1'- Result 1,1',1'- Result 1,1',1'- Result 1,1',1'- Result 1,1',1'-	enitrilotripropan-2-ol: t rs eye damage/eye irri ct: es t od irks <u>onents:</u> opyralid Triisopropanc t -nitrilotripropan-2-ol: t ratory or skin sensitis ct: Type es ssment	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Go Information so Dlamine Salt: No eye irritation Eye irritation Eye irritation ation Maximisation T Guinea pig 	n uideline 405 urce: Internal study report n
Result 1,1',1'- Result Seriou Produc Specie Result Metho Result 1,1',1'- Result 1,1',1'- Result 1,1',1'- Result 1,1',1'- Result 1,1',1'-	t -nitrilotripropan-2-ol: t Is eye damage/eye irri ct: es t od irks onents: opyralid Triisopropano t -nitrilotripropan-2-ol: t ratory or skin sensitis ct: Type es isment od	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Get Information so Damine Salt: No eye irritation Eye irritation Eye irritation ation Maximisation T Guinea pig Does not caus OECD Test Get 	n uideline 405 urce: Internal study report n
Result 1,1',1'- Result Seriou Produc Specia Result Metho Rema Compo Amino Result 1,1',1'- Result Result 1,1',1'- Result Compo Amino Result 1,1',1'- Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Asses Metho Rema	t -nitrilotripropan-2-ol: t is eye damage/eye irri ct: es t od irks onents: opyralid Triisopropano t -nitrilotripropan-2-ol: t ratory or skin sensitis ct: Type es issment od irks onents:	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Guite Information so Damine Salt: No eye irritation Damine Salt: Eye irritation ation Maximisation Test Guite Guinea pig Does not caus OECD Test Guite Information so 	n uideline 405 urce: Internal study report n Fest e skin sensitisation. uideline 406
Result 1,1',1'- Result Seriou Produc Specia Result Metho Rema Compo Amino Result 1,1',1'- Result Result 1,1',1'- Result Compo Amino Result 1,1',1'- Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Amino Result Compo Asses Metho Rema	t -nitrilotripropan-2-ol: t is eye damage/eye irri ct: es t od irks onents: opyralid Triisopropano t -nitrilotripropan-2-ol: t ratory or skin sensitis ct: Type es ssment od irks onents: opyralid Triisopropano	 No skin irritation No skin irritation Rabbit No eye irritation OECD Test Guite Information so Damine Salt: No eye irritation Damine Salt: Eye irritation ation Maximisation Test Guite Guinea pig Does not caus OECD Test Guite Information so 	n uideline 405 urce: Internal study report n Fest e skin sensitisation. uideline 406





ersion)	Revision Date: 03/13/2025	SDS Number:Date of last issue: 09/29/2022800080004418Date of first issue: 09/29/2022
Rema	rks	: For similar active ingredient(s).
1,1',1'· Specie Result		: Guinea pig : Does not cause skin sensitisation.
	cell mutagenicity	
Amino	onents: pyralid Triisopropanc cell mutagenicity - As- nent	: For similar active ingredient(s)., Aminopyralid., In vitro gene toxicity studies were predominantly negative., Animal gene
	-nitrilotripropan-2-ol: cell mutagenicity - As- nent	toxicity studies were negative.In vitro genetic toxicity studies were negative., Animal gene toxicity studies were negative.
<u>Comp</u> Amino	ogenicity onents: opyralid Triisopropanc ogenicity - Assess-	lamine Salt: : For similar active ingredient(s)., Aminopyralid., Did not caus cancer in laboratory animals.
	nitrilotripropan-2-ol: nogenicity - Assess-	: Did not cause cancer in laboratory animals.
Compo Amino Repro sessm		 For similar active ingredient(s)., Aminopyralid., In animal st ies, did not interfere with reproduction. For similar active ingredient(s)., Aminopyralid., Did not cause birth defects or other effects in the fetus even at doses which caused toxic effects in the mother.
	-nitrilotripropan-2-ol: iductive toxicity - As- ment	: In animal studies, did not interfere with reproduction. Did not cause birth defects or any other fetal effects in labo tory animals.
STOT Produ	- single exposure	
	sment	: Evaluation of available data suggests that this material is n an STOT-SE toxicant.
	onents:	
	pyralid Triisopropanc sment	 Evaluation of available data suggests that this material is n an STOT-SE toxicant.
	-nitrilotripropan-2-ol:	
	sment	: Evaluation of available data suggests that this material is n an STOT-SE toxicant.
Produ	 repeated exposure ct: sment 	: Evaluation of available data suggests that this material is n an STOT-RE toxicant.
	ted dose toxicity	
	<u>onents:</u> pyralid Triisopropanc	amine Salt:
Rema		: For similar active ingredient(s). Aminopyralid.
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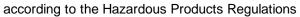


)	Revision Date: 03/13/2025		Number: 30004418	Date of last issue: 09/29/2022 Date of first issue: 09/29/2022
		ga	animals, effec ans: astrointestinal	ts have been reported on the following or-
1,1',1'	-nitrilotripropan-2-ol:	Ŭ		
Rema				ble data, repeated exposures are not antici- significant adverse effects.
Aspira Produ	ation toxicity			
	on physical properties,	not like	ly to be an as	piration hazard.
Comp	onents:			
	opyralid Triisopropano on physical properties,			piration hazard.
	-nitrilotripropan-2-ol: on physical properties,	not like	elv to be an asi	piration hazard.
	12. ECOLOGICAL INFO	RMAT	ION	
Ecoto: Produ	-			
	ty to fish			nchus mykiss (rainbow trout)): 360 mg/l
			xposure time:	
			est Type: static	
		IVI	ethod. OECD	Test Guideline 203 or Equivalent
		L(C50 (Cyprinode	on variegatus (sheepshead minnow)): > 100
			g/l	
			xposure time: est Type: station	
		10	st Type. static	
	ty to daphnia and other			magna (Water flea)): > 460 mg/l
aquat	ic invertebrates		xposure time:	
		Te	est Type: statio	; test
		L	C50 (saltwater	mysid Mysidopsis bahia): > 104 mg/l
		E	xposure time:	96 h
Tovici	ty to algoa/aquatia	E		96 h
	ty to algae/aquatic	E: Te	xposure time: est Type: statio	96 h c test
Toxici plants		E: Te : R	xposure time: est Type: station emarks: For si	96 h c test milar material(s):
		Ex Te : Ri M (L	xposure time: est Type: static emarks: For si aterial is highly .C50/EC50 bet	96 h c test milar material(s):
		Ex Te : Ri M (L	xposure time: est Type: static emarks: For si aterial is highly	96 h : test milar material(s): / toxic to aquatic organisms on an acute bas
		E: Te : M (L sp	xposure time: est Type: static emarks: For si aterial is highly C50/EC50 bet becies tested).	96 h c test milar material(s): / toxic to aquatic organisms on an acute bas ween 0.1 and 1 mg/L in the most sensitive
		E) Te R(M (L Sp E)	xposure time: est Type: static emarks: For si aterial is highly C50/EC50 bet becies tested).	96 h c test milar material(s): / toxic to aquatic organisms on an acute bas ween 0.1 and 1 mg/L in the most sensitive yllum spicatum): 0.363 mg/l
		E: Te R(M (L SF E) E)	xposure time: est Type: static emarks: For si aterial is highly C50/EC50 bet becies tested). rC50 (Myriophy xposure time:	96 h c test milar material(s): / toxic to aquatic organisms on an acute bas ween 0.1 and 1 mg/L in the most sensitive yllum spicatum): 0.363 mg/l
		E) Te Ri M (L SF E) E) Ri	xposure time: est Type: static emarks: For si aterial is highly C50/EC50 bet becies tested). rC50 (Myriophy xposure time: emarks: For si	96 h c test milar material(s): / toxic to aquatic organisms on an acute bas ween 0.1 and 1 mg/L in the most sensitive yllum spicatum): 0.363 mg/l 14 d milar material(s):
		E) T R M (L SF E) E) R R N E)	xposure time: est Type: static emarks: For si aterial is highly C50/EC50 bet becies tested). rC50 (Myrioph xposure time: emarks: For si OEC (Myrioph xposure time:	96 h c test milar material(s): / toxic to aquatic organisms on an acute bas ween 0.1 and 1 mg/L in the most sensitive yllum spicatum): 0.363 mg/l 14 d milar material(s): yllum spicatum): 0.0639 mg/l 14 d
		E) T R M (L SF E) E) R R N E)	xposure time: est Type: static emarks: For si aterial is highly C50/EC50 bet becies tested). rC50 (Myrioph xposure time: emarks: For si OEC (Myrioph xposure time:	96 h c test milar material(s): / toxic to aquatic organisms on an acute bas ween 0.1 and 1 mg/L in the most sensitive yllum spicatum): 0.363 mg/l 14 d milar material(s): yllum spicatum): 0.0639 mg/l
		E) Te R M (L SF E) R R R	xposure time: est Type: static emarks: For si aterial is highly C50/EC50 bet becies tested). rC50 (Myrioph xposure time: emarks: For si OEC (Myrioph xposure time: emarks: For si	96 h c test milar material(s): / toxic to aquatic organisms on an acute bas ween 0.1 and 1 mg/L in the most sensitive yllum spicatum): 0.363 mg/l 14 d milar material(s): yllum spicatum): 0.0639 mg/l 14 d milar material(s):
		E) Te R M (L SF E) R R E) R E	xposure time: est Type: static emarks: For si aterial is highly C50/EC50 bet becies tested). rC50 (Myrioph xposure time: emarks: For si OEC (Myrioph xposure time: emarks: For si	96 h c test milar material(s): / toxic to aquatic organisms on an acute bas ween 0.1 and 1 mg/L in the most sensitive yllum spicatum): 0.363 mg/l 14 d milar material(s): yllum spicatum): 0.0639 mg/l 14 d
		E: Te Ri M (L SF E: Ri E: Ri E: 1,	xposure time: est Type: static emarks: For si aterial is highly C50/EC50 bet becies tested). rC50 (Myrioph xposure time: emarks: For si OEC (Myrioph xposure time: emarks: For si	96 h c test milar material(s): / toxic to aquatic organisms on an acute bas ween 0.1 and 1 mg/L in the most sensitive yllum spicatum): 0.363 mg/l 14 d milar material(s): yllum spicatum): 0.0639 mg/l 14 d milar material(s): tirchneriella subcapitata (green algae)): >

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	Toxicity to soil dwelling or- ganisms		:	LC50 (Eisenia fetida (earthworms)): > 10,000 mg/kg Exposure time: 14 d End point: survival			
	Toxicity to terrestrial organ- isms		:	basis (LD50 > 200	ally non-toxic to birds on a dietary basis		
				dietary LC50 (Colinus virginianus (Bobwhite quail)): > 21422 mg/kg diet.			
				oral LD50 (Colinu ppm	s virginianus (Bobwhite quail)): > 10,000		
				oral LD50 (Apis m	ellifera (bees)): > 460 micrograms/bee		
	Feeter			contact LD50 (Ap	is mellifera (bees)): > 460 micrograms/bee		
		cology Assessment aquatic toxicity	:	Very toxic to aqua	atic life.		
	Chronic	aquatic toxicity	:	Very toxic to aquatic life with long lasting effects.			
	<u>Components:</u>						
	Aminopyralid Triisopropanola Toxicity to fish		iam :				
		to daphnia and other invertebrates	:	EC50 (Daphnia magna (Water flea)): > 460 mg/l Exposure time: 48 h Remarks: For similar material(s):			
	Toxicity to algae/aquatic plants		:	ErC50 (Myriophyll Exposure time: 14 Remarks: For sim			
			NOEC (Myriophyl Exposure time: 14 Remarks: For sim				
			ErC50 (Pseudokir 1,000 mg/l Exposure time: 72 Remarks: For sim				
	isms	to terrestrial organ-	:	rial is practically n	on information for a similar material:, Mate- on-toxic to birds on an acute basis (LD50 > terial is practically non-toxic to birds on a di- > 5000 ppm).		
	Ecotoxicology Assessment Acute aquatic toxicity	:	Very toxic to aqua	atic life.			
	Chronic	c aquatic toxicity	: Very toxic to aquatic life with long lasting effects.				
	1,1',1'-n Toxicity	itrilotripropan-2-ol: v to fish	:	LC50 (Leuciscus idus (Golden orfe)): 3,158.4 mg/l			





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			Exposure time: 9 Test Type: static Method: DIN 384	test			
	Toxicity to daphnia and other aquatic invertebrates		 EC50 (Daphnia magna (Water flea)): > 500 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 or Equivalent 				
Toxic plant	city to algae/aquatic s	:	EC50 (alga Scenedesmus sp.): 710 mg/l End point: Growth rate inhibition Exposure time: 72 h Test Type: static test Method: EU Method C.3 (Algal Inhibition test)				
Toxic	city to microorganisms	:	EC10 (activated Exposure time: 3	sludge): > 1,195 mg/l 30 min			
	stence and degradabilit	y					
Amin	opyralid Triisopropanol	am					
Biode	egradability	:	Remarks: For sir Aminopyralid.	nilar material(s):			
				adily biodegradable according to OECD/EEC			
	'-nitrilotripropan-2-ol:		aerobic				
Biodegradability		•	Result: Not biode Biodegradation: Exposure time: 2 Method: OECD	0 % 28 d Fest Guideline 301F or Equivalent			
ThO	n		Remarks: 10-day 2.35 kg/kg	/ Window: Fail			
		•					
Photodegradation		:	Test Type: Half-life (indirect photolysis) Sensitiser: OH radicals Rate constant: 1.2E-10 cm3/s Method: Estimated.				
	cumulative potential ponents:						
Amin	opyralid Triisopropanol	am	ine Salt:				
	tion coefficient: n-oc- /water	•					
			Remarks: For sin Aminopyralid.	milar active ingredient(s).			
	1 mituil etnimen en O el			potential is low (BCF < 100 or Log Pow < 3).			
	'-nitrilotripropan-2-ol: ccumulation	:	Species: Fish Bioconcentration Exposure time: 4 Method: Measur				
	tion coefficient: n-oc- /water	:	log Pow: -0.015 Method: Measur Remarks: Biocor Pow < 3).				

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	Balance: Partition coefficient: n-oc- tanol/water Mobility in soil <u>Components:</u>		:	Remarks: No relevant data found.					
		oyralid Triisopropano	am	amine Salt:					
	Distribu	ition among environ- compartments	:	Remarks: For similar active ingredient(s). Aminopyralid. Potential for mobility in soil is very high (Koc between 0 and 50).					
	1,1',1'-r	nitrilotripropan-2-ol:		,					
	Distribution among environ- mental compartments		:	 Koc: 10 Method: Estimated. Remarks: Potential for mobility in soil is very high (Koc be- tween 0 and 50). 					
	Balance								
	Distribution among environ- mental compartments Other adverse effects		:	: Remarks: No relevant data found.					
		omponents: minopyralid Triisopropanolamine Salt:							
		of PBT and vPvB as-		This substance is lating and toxic (P	not considered to be persistent, bioaccumu- BT). This substance is not considered to be d very bioaccumulating (vPvB).				
	1		ostance is not on the Montreal Protocol list t deplete the ozone layer.						
		nitrilotripropan-2-ol:							
	Results of PBT and vPvB as- sessment	:		persistent, bioaccumulative, and toxic (PBT). very persistent and very bioaccumulative					
	Ozone-	Depletion Potential	:		ostance is not on the Montreal Protocol list t deplete the ozone layer.				
	Balance Results sessme	s of PBT and vPvB as-	:		is not been assessed for persistence, bioac-				
	Ozone	Depletion Potential	:		ostance is not on the Montreal Protocol list t 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.

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SECTION 14. TRANSPORT INFORMATION International Regulations						
UNRTDG UN number Proper shipping name Class Packing group Labels Environmentally hazardous IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) IMDG-Code UN number Proper shipping name		 UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aminopyralid Triisopropanolamine Salt) 9 III 9 no 				
			Environmentally hazardous substance, liquid, n.o.s. (Aminopyralid Triisopropanolamine Salt) 9 III Miscellaneous 964			
		 UN 3082 ENVIRONMENTALLY HAZARDOUS N.O.S. 				
Labels EmS C Marine Remarl Transp Not app	pollutant ks	 (Aminopyralid Triisopropanolamine Si 9 III 9 F-A, S-F yes(Aminopyralid Triisopropanolamin Stowage category A o Annex II of MARPOL 73/78 and the IE upplied. 	e Salt)			
TDG UN nur Proper	nber shipping name	 UN 3082 ENVIRONMENTALLY HAZARDOUS N.O.S. (Aminopyralid Triisopropanolamine S 				
Labels ERG C	g group ode pollutant	 9 III 9 171 yes(Aminopyralid Triisopropanolamin 				

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.

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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

DSL

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

The components of this product are reported in the following inventories:

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

Pest Control Products Act (PCPA) Registration Number : 28517

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:

PCPA Label Hazard Communications:

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

This product is toxic to: Non-target terrestrial plants Aquatic organisms

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

Corteva OEL	:	Corteva Occupational Exposure Limit
Corteva OEL / TWA	:	8-hr 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; 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.

DSL - Domestic substances List. WHMIS - Workplace Hazardous Materials Information System.

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Product code: GF-871

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.

CA / 6N