

Version 1.0	Revision Date: 03.11.2023		S Number: 83182-00001	Date of last issue: - Date of first issue: 03.11.2023
	1: IDENTIFICATION uct name	:	MERIT TURF AN	ND ORNAMENTAL INSECTICIDE
Produ	uct code	:	Article/SKU: 844 102000026844	17610 UVP: 80481853 Specification:
Manu	ufacturer or supplier's d	letai	ils	
Comp	bany	:	2022 Environmen ABN 49 656 513	ntal Science AU Pty Ltd 923
Addre	ess	:	Suite 2.06, Level Hawthorn East, A	2, 737 Burwood Road Australia 3123
Telep	hone	:	(03) 7019 3839	
Emer	rgency telephone number	:	+61 2 9037 2994	
Reco	ommended use of the ch	nem	ical and restrictio	ons on use

	••	
Recommended use	:	Insecticide
Restrictions on use	:	Not applicable

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Acute toxicity (Oral)	:	Category 4
Carcinogenicity	:	Category 1B
GHS label elements Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H302 Harmful if swallowed. H350 May cause cancer.
Precautionary statements	:	Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read



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and understood. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:

P405 Store locked up.

Disposal:

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

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Chemical nature

: Suspension concentrate (=flowable concentrate)(SC)

Components

Chemical name	CAS-No.	Concentration (% w/w)
Imidacloprid	138261-41-3	>= 10 -< 30
Glycerine	56-81-5	>= 10 -< 30
Propylene glycol	57-55-6	< 10
(Benzyloxy)methanol	14548-60-8	>= 0.1 -< 1
Reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	>= 0.0015 -< 0.06

Alternative CAS Numbers for some regions

Chemical name	Alternative CAS Number(s)
Reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	2682-20-4, 26172-55-4

SECTION 4. FIRST AID MEASURES

General advice

: In the case of accident or if you feel unwell, seek medical ad-



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			vice immediatel When symptom advice.	/. s persist or in all cases of doubt seek medical	
lf inh	naled	:	If inhaled, remo Get medical att		
In ca	In case of skin contact		In case of contact, immediately flush skin with soap and ple of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.		
In ca	ase of eye contact	:	: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.		
lf sw	vallowed	:	 If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. 		
	t important symptoms effects, both acute and yed	:	: Dizziness Nausea Abdominal pain Trembling Lethargy Harmful if swallowed. May cause cancer. This product contains a nicotinoid.		
Prot	ection of first-aiders	:	: First Aid responders should pay attention to self-protection and use the recommended personal protective equipment when the potential for exposure exists (see section 8).		
Note	es to physician	:	Treat symptoma Oxygen or artific Carefully monitor Monitor: blood (In case of inges cases of signific	cial respiration if needed. or the respiratory functions. Hb, RBC, WBC). tion gastric lavage should be considered in ant ingestions only within the first 2 hours. oplication of activated charcoal and sodium ys advisable.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray
		Alcohol-resistant foam
		Carbon dioxide (CO2)



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				Dry chemical	
	Unsuita media	ble extinguishing	:	None known.	
	Specific fighting	c hazards during fire-	:	Exposure to com	pustion products may be a hazard to health.
	Hazard ucts	ous combustion prod-	:	Carbon oxides Nitrogen oxides (I Chlorine compour	
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	Special for firefi	protective equipment ghters	:	In the event of fire Use personal prot	e, wear self-contained breathing apparatus. ective equipment.
	Hazche	em Code	:	•3Z	

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. 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.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

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SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe vapours or spray mist. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	:	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.
Conditions for safe storage	:	Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

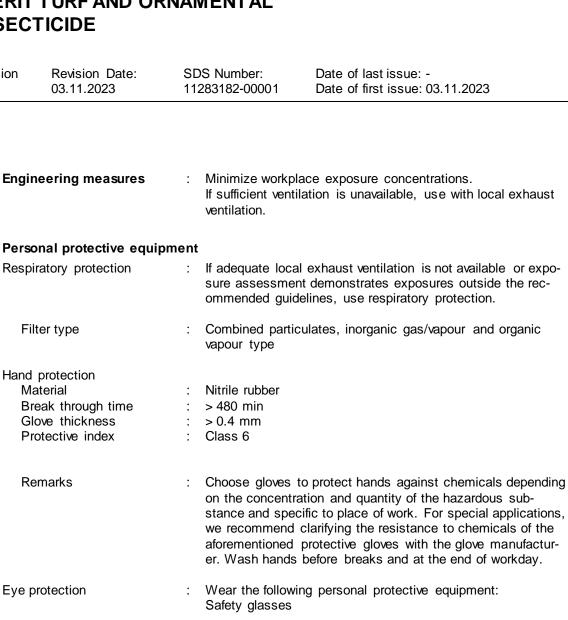
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Glycerine	56-81-5	TWA (Mist)	10 mg/m3	AU OEL
Propylene glycol	57-55-6	TWA (partic- ulate)	10 mg/m3	AU OEL
		TWA (Total (vapour and	150 ppm 474 mg/m3	AU OEL
		particles))		

Version

Skin

1.0

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and body protection	:	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
		ciolining (gloves, aprons, bools, elc).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	suspension
Colour	:	light beige, white
Odour	:	characteristic, very faint
Odour Threshold	:	No data available
рН	:	7 - 8.5 (23 °C)



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			Concentration: 1	00 %
Me	Iting point/freezing point	:	No data available	
Initi rang	al boiling point and boiling ge	:	No data available	•
Flas	sh point	:	does not flash	
Eva	poration rate	:	No data available	•
Fla	mmability (solid, gas)	:	Not applicable	
Fla	mmability (liquids)	:	No data available	
	per explosion limit / Upper nmability limit	:	No data available	
	ver explosion limit / Lower nmability limit	:	No data available	
Vap	oour pressure	:	No data available	9
Rel	ative vapour density	:	No data available)
Rel	ative density	:	No data available	9
Der	nsity	:	ca. 1.1 g/cm³ (20) °C)
	ubility(ies) Water solubility	:	completely misci	ble
	tition coefficient: n- anol/water	:	Not applicable	
Aut	o-ignition temperature	:	405 °C Method: Regulati	ion (EC) No. 440/2008, Annex, A.15
Dec	composition temperature	:	210 °C exothermic	
			(for a component	t of this mixture)
	cosity Viscosity, dynamic	:	400 - 800 mPa.s	(23 °C)
	Viscosity, kinematic	:	No data available	9
Flo	w time	:	43 - 60 s (20 °C)	



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Explo	osive properties	:		D Test Guideline 113
Oxidi	zing properties	:	The substance	e or mixture is not classified as oxidizing.
Surfa	ce tension	:	48.9 mN/m	
Partic	cle size	:	<= 5 µm	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac- tions	:	None known.
Conditions to avoid	:	None known.
Incompatible materials	:	None.
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity Harmful if swallowed.		
<u>Product:</u> Acute oral toxicity	:	Acute toxicity estimate: 720.66 mg/kg Method: Calculation method
Components:		
Imidacloprid:		
Acute oral toxicity	:	LD50 (Mouse, male): 131 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50 (Rat): > 5.323 mg/l

SAFETY DATA SHEET

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				Exposure time: 4 Test atmosphere:	
	Acute o	lermal toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
	Glyceri	ine:			
	-	oral toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
	Acute o	lermal toxicity	:	LD50 (Guinea pig): > 5,000 mg/kg
	Propyle	ene glycol:			
	Acute o	oral toxicity	:	LD50 (Rat): 22,00	00 mg/kg
	Acute i	nhalation toxicity	:	LC50 (Rat): > 44.9 Exposure time: 4 Test atmosphere:	h
	Acute c	lermal toxicity	:	()	2,000 mg/kg substance or mixture has no acute dermal
	(Benzy	loxy)methanol:			
	Acute o	oral toxicity	:	LD50 (Rat, female	e): 812 mg/kg
	Acute i	nhalation toxicity	:	LC50 (Rat): > 0.50 Exposure time: 4 Test atmosphere:	h
	Acute c	lermal toxicity	:	LD50 (Rat, male):	1,429 mg/kg
		on mass of: 5-chloro-2- col-3-one [EC no. 220-			one [EC no. 247-500-7] and 2-methyl-2H-
		oral toxicity		LD50 (Rat): 64 mg	g/kg
	Acute i	nhalation toxicity	:	Exposure time: 4 Test atmosphere:	h
	Acute o	lermal toxicity	:	LD50 (Rabbit): 87	.12 mg/kg
		orrosion/irritation ssified based on availa	ble	information.	
	Compo	onents:			
	Imidac	loprid:			
	Species	3	:	Rabbit	



Result : No skin irritation Glycerine: Species : Rabbit Result : No skin irritation Propylene glycol: Species : Rabbit Method : OECD Test Guideline 404 Result : No skin irritation (Benzyloxy)methanol: Species : Rabbit Result : No skin irritation Result : Skin irritation Result : Skin irritation Resction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 22039-6] (31): Species : Rabbit Method : : Species : Rabbit Method : : Species : Rabbit Result : : Species : Rabbit Result : No eye irritation Indiacloprid: : : Species : Rabbit Result : No eye irritation	Version 1.0	Revision Date: 03.11.2023	SDS Num 11283182		Date of last issue: - Date of first issue: 03.11.2023
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Result : No skin irritation Propylene glycol: : Species : Rabbit Method : OECD Test Guideline 404 Result : No skin irritation (Benzyloxy)methanol: : Species : Rabbit Result : Skin irritation (Benzyloxy)methanol: : Species : Rabbit Result : Skin irritation Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1): Species : Rabbit Method : OECD Test Guideline 404 Result : Corrosive after 1 to 4 hours of exposure Serious eye damage/eye irritation Not classified based on available information. Components: Imidacloprid: Species : Rabbit Result : No eye irritation Glycerine: Species : Rabbit Result : No eye irritation Propylene glycol: : Species : Rabbit Result : No eye irritation Method <td< td=""><td>Glyce</td><td>erine:</td><td></td><td></td><td></td></td<>	Glyce	erine:			
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Species : Rabbit Result : Skin irritation Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1): Species : Rabbit Method : OECD Test Guideline 404 Result : OECD Test Guideline 404 Result : Corrosive after 1 to 4 hours of exposure Serious eye damage/eye irritation Not classified based on available information. Components: Imidacloprid: Species : Rabbit Result : No eye irritation Glycerine: Species : Rabbit Result : No eye irritation Propylene glycol: Species : Rabbit Result : No eye irritation Method : OECD Test Guideline 405 (Benzyloxy)methanol: : OECD Test Guideline 405	(Ben	zyloxy)methanol:			
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Result : No eye irritation Method : OECD Test Guideline 405 (Benzyloxy)methanol: Species : Rabbit	-		: Rabbi	it	
(Benzyloxy)methanol: Species : Rabbit	Resu	lt			
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Species : Rabbit	(Ben	zyloxy)methanol:			
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					s on the eye



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Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

Result	:	Irreversible effects on the eye
Remarks	:	Based on skin corrosivity.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitisation.

Components:

Imidacloprid:

Test Type	:	Magnusson-Kligman-Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	negative

Propylene glycol:

Test Type	:	Maximisation Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Result	:	negative

(Benzyloxy)methanol:

Test Type Exposure routes Species Result	:	Magnusson-Kligman-Test Skin contact Guinea pig positive
Assessment	:	Probability or evidence of low to moderate skin sensitisation rate in humans

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

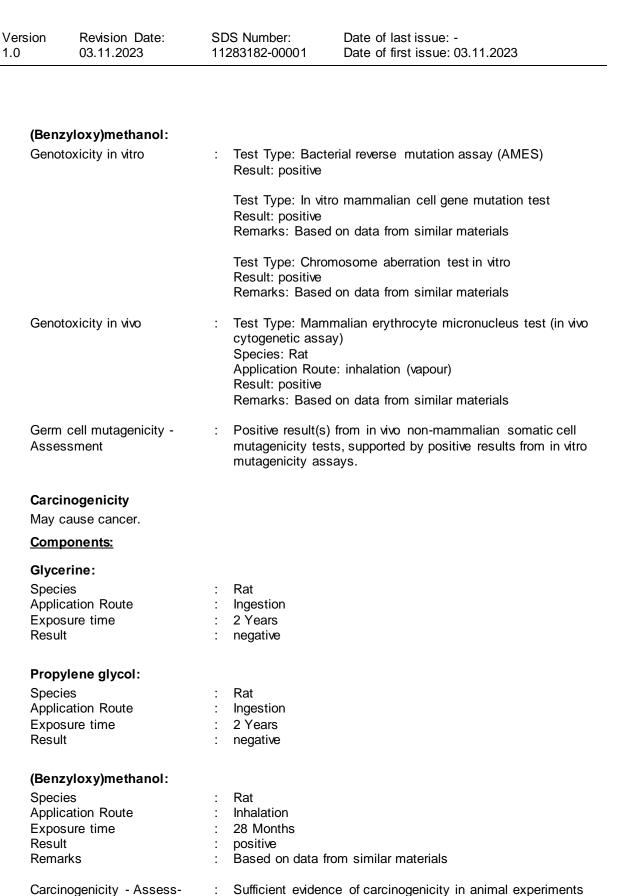
Test Type	:	Buehler Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Result	:	positive

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	Assess	sment	:	Probability or evid mans	ence of high skin sensitisation rate in hu-
	Chroni	c toxicity			
		cell mutagenicity ssified based on availa	ble	information.	
	<u>Compo</u>	onents:			
		l oprid: xicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
				Test Type: In vitro Result: negative	mammalian cell gene mutation test
				Test Type: Chrom Result: negative	osome aberration test in vitro
	Glycer	ine:			
	Genoto	xicity in vitro	:	Test Type: In vitro Result: negative	mammalian cell gene mutation test
				Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
				Test Type: Chrom Result: negative	osome aberration test in vitro
				Test Type: DNA c thesis in mammali Result: negative	amage and repair, unscheduled DNA syn- an cells (in vitro)
	Propyl	ene glycol:			
	Genoto	xicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
				Test Type: Chrom Method: OECD Te Result: negative	osome aberration test in vitro est Guideline 473
	Genoto	xicity in vivo	:	cytogenetic assay Species: Mouse	alian erythrocyte micronucleus test (in vivo) Intraperitoneal injection

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MERIT TURF AND ORNAMENTAL **INSECTICIDE**



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Reproductive toxicity Not classified based on available Components:	e information.
Imidacloprid: Effects on foetal develop- ment	: Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Result: negative
Glycerine:	
Effects on fertility	 Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative
Effects on foetal develop- ment	: Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Result: negative
Propylene glycol:	
Effects on fertility	 Test Type: Two-generation reproduction toxicity study Species: Mouse Application Route: Ingestion Result: negative
Effects on foetal develop- ment	: Test Type: Embryo-foetal development Species: Mouse Application Route: Ingestion Result: negative
(Benzyloxy)methanol: Effects on foetal develop- ment	 Test Type: Embryo-foetal development Species: Mouse Application Route: Ingestion Result: negative Remarks: Based on data from similar materials

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.



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<u>Con</u>	nponents:		
(Beı	nzyloxy)methanol:		
Targ	let Organs essment		act uce significant health effects in animals at con- >0.02 to 0.2 mg/l/6h/d.
Rep	eated dose toxicity		
<u>Con</u>	nponents:		
Imic	dacloprid:		
Spe		: Mouse, male	
LOA App	lication Route	: 17 mg/kg : Ingestion	
	osure time	: 24 Months	
Glyo	cerine:		
Spe		: Rat	
NOA		: 0.167 mg/l : 0.622 mg/l	
	lication Route	: inhalation (due	st/mist/fume)
Exp	osure time	: 13 Weeks	
Spe		: Rat	
NOA		: 8,000 - 10,000	mg/kg
	lication Route osure time	: Ingestion : 2 yr	
Spe	cies	: Rabbit	
NOA		: 5,040 mg/kg : Skin contact	
	lication Route osure time	: 45 Weeks	
Pro	pylene glycol:		
Spe		: Rat, male	
NOA		: >= 1,700 mg/k	g
	lication Route osure time	: Ingestion : 2 yr	
(Beı	nzyloxy)methanol:		
Spe	cies	: Rat	
LÒA		: > 0.02 - 0.2 m	
	lication Route osure time	: inhalation (dus : 90 Days	st/mist/tume)
	narks		from similar materials



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Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Imidacloprid:

:	LC50 (Oncorhynchus mykiss (rainbow trout)): 211 mg/l Exposure time: 96 h
:	EC50: 0.0027 mg/l Exposure time: 48 h
:	ErC50 (Desmodesmus subspicatus (green algae)): > 10 mg/l Exposure time: 96 h Method: OECD Test Guideline 201
	NOEC (Desmodesmus subspicatus (green algae)): >= 10 mg/l Exposure time: 96 h Method: OECD Test Guideline 201
:	NOEC (Oncorhynchus mykiss (rainbow trout)): 9.02 mg/l Exposure time: 91 d Method: OECD Test Guideline 210
:	EC10: 0.000056 mg/l Exposure time: 21 d
:	NOEC (activated sludge): 5,600 mg/l Exposure time: 3 h
:	LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l Exposure time: 96 h
:	EC50 (Daphnia magna (Water flea)): 1,955 mg/l Exposure time: 48 h
:	NOEC (Pseudomonas putida): > 10,000 mg/l Exposure time: 16 h Method: DIN 38 412 Part 8
:	LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l Exposure time: 96 h
	: : : :



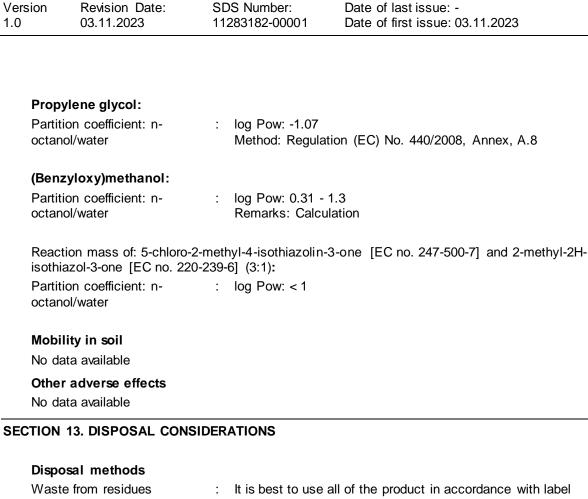
Versi 1.0	on	Revision Date: 03.11.2023		9S Number: 283182-00001	Date of last issue: - Date of first issue: 03.11.2023
	-	to daphnia and other invertebrates	:	EC50 (Ceriodaphr Exposure time: 48	ia dubia (water flea)): 18,340 mg/l 3 h
	Toxicity plants	to algae/aquatic	:	ErC50 (Skeletone Exposure time: 72 Method: OECD Te	
a		invertebrates (Chron-	:	NOEC (Ceriodaph Exposure time: 7	nia dubia (water flea)): 13,020 mg/l d
٦	Toxicity	to microorganisms	:	NOEC (Pseudomo Exposure time: 18	onas putida): > 20,000 mg/l 3 h
	(Benzyl Toxicity	oxy)methanol: to fish	:	EC50 : 81.5 mg/l Exposure time: 96	5 h
	-	to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 43 mg/l h
	Toxicity plants	to algae/aquatic	:	ErC50 (Desmodes Exposure time: 72	smus subspicatus (green algae)): 17.7 mg/l ? h
٦	Toxicity	to microorganisms	:	Exposure time: 3 Method: OECD Te	
		n mass of: 5-chloro-2-r ol-3-one [EC no. 220-2			one [EC no. 247-500-7] and 2-methyl-2H-
	Toxicity	-	:	- 、 ,	nus mykiss (rainbow trout)): 0.19 mg/l 3 h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 0.16 mg/l 3 h
	Toxicity plants	to algae/aquatic	:	ErC50 (Skeletone Exposure time: 48	ma costatum (marine diatom)): 0.0052 mg/l 3 h
				NOEC (Skeletone Exposure time: 48	ma costatum (marine diatom)): 0.00049 mg/l 8 h
	Toxicity icity)	to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 36	es promelas (fathead minnow)): 0.02 mg/l 6 d
		to daphnia and other invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 0.10 mg/l d



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ic toxicity)

Persistence and degradabi	lity	
Components:		
Imidacloprid:		
Biodegradability	:	Result: not rapidly degradable
Glycerine:		
Biodegradability	:	Result: Readily biodegradable. Biodegradation: 92 % Exposure time: 30 d Method: OECD Test Guideline 301D
Propylene glycol:		
Biodegradability	:	Result: Readily biodegradable. Biodegradation: 98.3 % Exposure time: 28 d Method: OECD Test Guideline 301F
(Benzyloxy)methanol:		
Biodegradability	:	Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 18 d Method: OECD Test Guideline 301E
Reaction mass of: 5-chloro-2- isothiazol-3-one [EC no. 220-		hyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- -6] (3:1):
Biodegradability	:	Result: Not readily biodegradable. Biodegradation: 62 % Exposure time: 28 d Method: OECD Test Guideline 301B
Bioaccumulative potential		
Components:		
Imidacloprid:		
Partition coefficient: n- octanol/water	:	log Pow: 0.57
Glycerine:		
Partition coefficient: n- octanol/water	:	log Pow: -1.75



NVU

	directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines. Do not dispose of waste into sewer.
Contaminated packaging :	Follow advice on product label and/or leaflet. Empty containers retain residue and can be dangerous. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

:	UN 3082
:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	(Imidacloprid, Reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-
	isothiazol-3-one [EC no. 220-239-6] (3:1)
:	9
:	III
:	9
:	yes

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IATA-DGR

UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Imidacloprid, Reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)
Class	:	9
Packing group	:	Ш
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passen- ger aircraft)		964
Environmentally hazardous	:	yes
IMDG-Code		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidacloprid, Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
Class	:	9
Packing group	:	III
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes

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

Not applicable for product as supplied.

National Regulations

ADG

ADG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidacloprid, Reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)
Class	:	9
Packing group	:	
Labels	:	9
Hazchem Code	:	•3Z
Environmentally hazardous	:	yes

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

Safety, health and environ ture	mental regulations/legisla	ation specific for the substance or mix-
Standard for the Uniform Scheduling of Medicines and Poisons		
Prohibition/Licensing Require	ements	: There is no applicable prohibition, authorisation and restricted use requirements, including for carcino- gens referred to in Schedule 10 of the model WHS Act and Regula- tions.
Product Type	: Insecticides, acaricio pods	les and products to control other arthro-
Active substance	: 200 g/l Imidacloprid	

SECTION 16: ANY OTHER RELEVANT INFORMATION

Further information Revision Date	:	03.11.2023
Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/
Date format	:	dd.mm.yyyy
Full text of other abbreviation	ns :	Australia. Workplace Exposure Standards for Airborne Con- taminants.

AU OEL / TWA : Exposure standard - time weighted average

AllC - 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



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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; TECI - 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

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

AU / EN