

prolonged or re-

# Sodium Selenite / Vitamin E Injection Formulation

Vers 5.2	sion	Revision Date: 28.09.2024		S Number: 411-00018	Date of last issue: 06.04.2024 Date of first issue: 21.09.2016
SEC	<b>TION 1</b> Produc	: IDENTIFICATION t name	:	Sodium Selenite	/ Vitamin E Injection Formulation
	Other n	neans of identification	:	E-SE Injection (A	.000603)
	<b>Manuf</b> a Compa	<b>acturer or supplier's d</b> ny	letai :		Pty Limited (trading as MSD Animal Health)
	Addres	S	:	91-105 Harpin St Bendigo 3550, V	
	Teleph	one	:	1 800 033 461	
	Emerge	ency telephone number	• :	Poisons Informat	ion Centre: Phone 13 11 26
	E-mail	address	:	EHSDATASTEW	ARD@msd.com
		mended use of the ch mended use	nemi		
		tions on use	:	Veterinary produce Not applicable	

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS Classification		
Acute toxicity (Oral)	:	Category 4
Acute toxicity (Inhalation)	:	Category 4
Skin sensitisation	:	Category 1
Specific target organ toxicity - repeated exposure	:	Category 2
GHS label elements		
Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H302 + H332 Harmful if swallowed or if inhaled. H317 May cause an allergic skin reaction. H373 May cause damage to organs through proto peated exposure.



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Preca	autionary statements	P264 Wash sk P270 Do not e P271 Use only P272 Contami the workplace	preathe mist or vapours. kin thoroughly after handling. eat, drink or smoke when using this product. y outdoors or in a well-ventilated area. inated work clothing should not be allowed out of otective gloves.
		CENTER/ doc P302 + P352 I P304 + P340 - and keep com doctor if you fe P314 Get med P333 + P313 I vice/ attention	lical advice/ attention if you feel unwell. If skin irritation or rash occurs: Get medical ad-
		<b>Disposal:</b> P501 Dispose disposal plant.	of contents/ container to an approved waste
	r <b>hazards which do n</b> known.	ot result in classifica	ation

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
(dl)-a-Tocopheryl acetate	7695-91-2	5.15
Benzyl alcohol	100-51-6	2.19
Sodium selenite	10102-18-8	0.35 -1.13

#### **SECTION 4. FIRST AID MEASURES**

General advice	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.



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In cas	se of skin contact	Remove conta Get medical a Wash clothing				
In cas	se of eye contact	: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.				
If swallowed Most important symptoms		<ul> <li>If swallowed, DO NOT induce vomiting unless directed to c so by medical personnel. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.</li> <li>Harmful if swallowed or if inhaled. May cause an allergic skin reaction.</li> </ul>				
					delay	ffects, both acute and ed
Prote	ction of first-aiders	and use the re	onders should pay attention to self-protection, commended personal protective equipment ntial for exposure exists (see section 8).			
Notes	s to physician		natically and supportively.			

#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire- fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : Use personal protective equipment.



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tive ec	uipment and emer-	Follow safe b	andling advice (see section 7) and personal pro-
	procedures		nent recommendations (see section 8).
Enviro	nmental precautions	Prevent furtho Prevent sprea barriers). Retain and di	to the environment. er leakage or spillage if safe to do so. ading over a wide area (e.g. by containment or oil spose of contaminated wash water. ies should be advised if significant spillages ntained.
	ds and materials for nment and cleaning up	For large spill ment to keep be pumped, s Clean up rem bent. Local or natio posal of this r employed in t mine which re Sections 13 a	inert absorbent material. s, provide dyking or other appropriate contain- material from spreading. If dyked material can store recovered material in appropriate container. aining materials from spill with suitable absor- nal regulations may apply to releases and dis- naterial, as well as those materials and items he cleanup of releases. You will need to deter- egulations are applicable. and 15 of this SDS provide information regarding or national requirements.

### 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	<ul> <li>Do not get on skin or clothing.</li> <li>Do not breathe mist or vapours.</li> <li>Do not swallow.</li> <li>Avoid contact with eyes.</li> <li>Wash skin thoroughly after handling.</li> <li>Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment</li> <li>Keep container tightly closed.</li> <li>Do not eat, drink or smoke when using this product.</li> <li>Take care to prevent spills, waste and minimize release to the</li> </ul>
Hygiene measures	environment. 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use.



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	itions for safe storage	engineering co appropriate de industrial hygie use of adminis : Keep in proper Keep tightly clo Keep in a cool, Store in accord	well-ventilated place. lance with the particular national regulations. th the following product types:

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

				-
Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
(dl)-a-Tocopheryl acetate	7695-91-2	TWA	5000 ug/m3 (OEB	Internal
			1)	
Sodium selenite	10102-18-8	TWA	0.1 mg/m3	AU OEL
			(selenium)	
		TWA	20 µg/m3 (OEB 3)	Internal
		Wipe limit	200 µg/100 cm <sup>2</sup>	Internal
		TWA	0.2 mg/m3	ACGIH
			(selenium)	

Engineering measures	:	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face con- tainment devices). Minimize open handling.
Personal protective equipme	nt	
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type Hand protection	:	Combined particulates and organic vapour type
Material	:	Chemical-resistant gloves

Remarks

: Consider double gloving.



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Eye p	protection	If the work env mists or aeroso	asses with side shields or goggles. ironment or activity involves dusty conditions, ols, wear the appropriate goggles. ield or other full face protection if there is a
Skin a	and body protection	potential for dir aerosols. : Work uniform of Additional body task being perf posable suits)	rect contact to the face with dusts, mists, or or laboratory coat. y garments should be used based upon the ormed (e.g., sleevelets, apron, gauntlets, dis- to avoid exposed skin surfaces. the degowning techniques to remove potentially

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Aqueous solution
Colour	:	amber
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available



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Solubility(ies) Water solubility	: No data available	
Partition coefficient: n- octanol/water	: Not applicable	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity Viscosity, kinematic	: No data available	
Explosive properties	: Not explosive	
Oxidizing properties	: The substance or mixture is not classified as oxidizing.	
Particle characteristics Particle size	: Not applicable	

### SECTION 10. STABILITY AND REACTIVITY

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

### SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
Harmful if swallowed or if inf	alea	
Product:		
Acute oral toxicity	:	Acute toxicity estimate: 421.51 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 4.43 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method

Method



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Comp	oonents:		
	-Tocopheryl acetate:		
• •	oral toxicity		: > 5,000 mg/kg
		, , , , , , , , , , , , , , , , , , ,	
Acute	dermal toxicity	· · · ·	: > 3,000 mg/kg it: The substance or mixture has no acute dermal
Benzy	/l alcohol:		
-	oral toxicity	: LD50 (Rat)	: 1,200 mg/kg
Acute	inhalation toxicity	Method: OB	me: 4 h phere: dust/mist ECD Test Guideline 403 it: The substance or mixture has no acute inhala-
Sodiu	ım selenite:		
Acute	oral toxicity	: LD50 (Rat)	: 4.8 mg/kg
Acute	inhalation toxicity	Exposure ti Test atmos	: > 0.052 - 0.51 mg/l me: 4 h phere: dust/mist ECD Test Guideline 403
Not cl	corrosion/irritation assified based on ava ponents:	ilable information.	
(dl)-a∙	Tocopheryl acetate:		
Speci Metho		: Rabbit	t Guideline 404
Resul		: No skin irrit	
Bonz	d alcohol:		
Speci	<b>/I alcohol:</b> es	: Rabbit	
Metho			t Guideline 404
Resul		: No skin irrit	
Sodiu	ım selenite:		
Speci	es		ed human epidermis (RhE)
Metho	bd		t Guideline 431
Speci	es	: reconstruct	ed human epidermis (RhE)

: OECD Test Guideline 439



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Resul	t	:	Skin irritation	
Serio	us eye damage/eye	irritati	on	
Not cl	assified based on ava	ailable	information.	
<u>Comp</u>	oonents:			
(dl)-a-	Tocopheryl acetate	:		
Speci		:	Rabbit	
Resul		:	No eye irritatio	
Metho	DCI	:	OECD Test Gu	lideline 405
Benzy	/l alcohol:			
Specie	es	:	Rabbit	
Resul		:		s, reversing within 21 days
Metho	d	:	OECD Test Gu	iideline 405
Sodiu	m selenite:			
Resul	t	:	Irritation to eye	s, reversing within 21 days
Respi	ratory or skin sensi	libutic	///	
Skin s	sensitisation ause an allergic skin			
<b>Skin s</b> May c	sensitisation	reactio		
Skin s May c Respi	sensitisation ause an allergic skin	reactio	on.	
Skin s May c Respi	sensitisation ause an allergic skin ratory sensitisation	reactio	on.	
Skin s May c Respi Not cla <u>Comp</u> (dl)-a-	sensitisation ause an allergic skin ratory sensitisation assified based on avai <u>conents:</u> Tocopheryl acetate	reactio I ailable	on. information.	
Skin s May c Respi Not cl Comp (dl)-a- Test T	sensitisation ause an allergic skin ratory sensitisation assified based on avaination conents: Tocopheryl acetate ype	reactio I ailable	on. information. Draize Test	
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos	sensitisation ause an allergic skin ratory sensitisation assified based on avaination conents: Tocopheryl acetate ype sure routes	reactio I ailable	on. information. Draize Test Skin contact	
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos Specie	sensitisation ause an allergic skin ratory sensitisation assified based on avaination conents: Tocopheryl acetate ype sure routes es	reactio I ailable	on. information. Draize Test Skin contact Humans	
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos	sensitisation ause an allergic skin ratory sensitisation assified based on avaination conents: Tocopheryl acetate ype sure routes es	reactio I ailable	on. information. Draize Test Skin contact	
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos Specia Result Benzy	sensitisation ause an allergic skin ratory sensitisation assified based on avai conents: Tocopheryl acetate ype sure routes es t	reactio I ailable	on. information. Draize Test Skin contact Humans negative	
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos Specie Result Benzy Test T	sensitisation ause an allergic skin ratory sensitisation assified based on ava- conents: Tocopheryl acetate sure routes es t yl alcohol: ype	reactio I ailable	on. information. Draize Test Skin contact Humans negative Human repeat	insult patch test (HRIPT)
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos Specie Result Benzy Test T Expos	sensitisation ause an allergic skin ratory sensitisation assified based on avaination conents: Tocopheryl acetate Type sure routes es t /I alcohol: Type sure routes	reactio I ailable	on. information. Draize Test Skin contact Humans negative Human repeat Skin contact	insult patch test (HRIPT)
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos Specie Result Benzy Test T Expos Specie	sensitisation ause an allergic skin ratory sensitisation assified based on avainable conents: Tocopheryl acetate ype sure routes es t ype sure routes es	reactio I ailable	on. information. Draize Test Skin contact Humans negative Human repeat Skin contact Humans	insult patch test (HRIPT)
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos Specie Result Benzy Test T Expos Specie Result	sensitisation ause an allergic skin assified based on avaination assified based on avaination conents: Tocopheryl acetate Type sure routes es t ype sure routes es t	reactio I ailable	on. information. Draize Test Skin contact Humans negative Human repeat Skin contact Humans positive	
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos Specie Result Benzy Test T Expos Specie Result	sensitisation ause an allergic skin ratory sensitisation assified based on avainable conents: Tocopheryl acetate ype sure routes es t ype sure routes es	reactio I ailable	on. information. Draize Test Skin contact Humans negative Human repeat Skin contact Humans positive	evidence of low to moderate skin sensitisation
Skin s May c Respi Not cl Comp (dl)-a- Test T Expos Specie Result Benzy Test T Expos Specie Result Asses	sensitisation ause an allergic skin assified based on avaination assified based on avaination conents: Tocopheryl acetate Type sure routes es t ype sure routes es t	reactio I ailable	on. information. Draize Test Skin contact Humans negative Human repeat Skin contact Humans positive Probability or e	evidence of low to moderate skin sensitisation



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rko	· Pasad on pa	tional or radional regulation
IIKS	. Daseu on na	tional or regional regulation.
nic toxicity		
cell mutagenicity assified based on a	vailable information.	
oonents:		
-Tocopheryl acetat	e:	
toxicity in vitro		Chromosome aberration test in vitro CD Test Guideline 473 tive
		acterial reverse mutation assay (AMES) CD Test Guideline 471 tive
toxicity in vivo	cytogenetic a Species: Mo	use Route: Ingestion
yl alcohol:		
toxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
toxicity in vivo	cytogenetic a Species: Mo	use Route: Intraperitoneal injection
ım selenite:		
toxicity in vitro		acterial reverse mutation assay (AMES) CD Test Guideline 471 tive
	rks hic toxicity cell mutagenicity assified based on a ponents: Tocopheryl acetat toxicity in vitro toxicity in vitro yl alcohol: toxicity in vitro toxicity in vitro	28.09.2024       895411-00018         rks       :       Based on name         hic toxicity       cell mutagenicity         assified based on available information.

Not classified based on available information.

### Components:

#### (dl)-a-Tocopheryl acetate:

Species	:	Rat
Application Route	:	Ingestion
Exposure time	:	104 weeks



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	Result		:	negative	
	Benzy	l alcohol:			
	Specie Applica	s ation Route ure time	: : :	Mouse Ingestion 103 weeks OECD Test Gui negative	deline 451
	-	ductive toxicity ssified based on avai	lable	information.	
	Compo	onents:			
	(dl)-a-⊺	Focopheryl acetate:			
	Effects	on fertility	:	Test Type: Repl test Species: Rat Application Rou Result: negative	
	Effects ment	on foetal develop-	:	Test Type: Emb Species: Rabbit Application Rou Result: negative	te: Ingestion
	Benzy	l alcohol:			
	Effects	on fertility	:	Species: Rat Application Rou Result: negative	
	Effects ment	on foetal develop-	:	Test Type: Emb Species: Mouse Application Rou Result: negative	te: Ingestion
	Sodiur	n selenite:			
	Effects	on fertility	:	Species: Rat Application Rou Result: negative	
	Effects ment	on foetal develop-	:	Test Type: Emb Species: Mouse Application Rou	



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**Result: negative** 

#### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### **Components:**

#### Sodium selenite:

Exposure routes	:	Ingestion
Assessment	:	Shown to produce significant health effects in animals at con-
		centrations of 10 mg/kg bw or less.

#### **Repeated dose toxicity**

#### **Components:**

#### (dl)-a-Tocopheryl acetate:

Species	: Rat
NOAEL	: 500 mg/kg
Application Route	: Ingestion
Exposure time	: 90 Days

#### Benzyl alcohol:

Species	: Rat	
NOAEL	: 1.072 mg/l	
Application Route	: inhalation (dust/mist/f	ume)
Exposure time	: 28 Days	
Method	: OECD Test Guideline	412

:

#### Sodium selenite:

Species	: Rat
NOAEL	: 0.88 mg/kg
Application Route	: Ingestion
Exposure time	: 13 Weeks

#### Aspiration toxicity

Not classified based on available information.

#### Experience with human exposure

#### **Components:**

### Sodium selenite:

Inhalation

Target Organs: Respiratory Tract Symptoms: Irritation, Oedema Target Organs: Cardio-vascular system



Ingestio	n		Symptoms: Lowered Target Organs: Diges	blood pressure
		:	Symptoms: Nausea, Target Organs: Neurolog Target Organs: Neurolog Target Organs: Hair Symptoms: hair loss Target Organs: Skin Symptoms: Rash, Sk Target Organs: Endo	Vomiting, Irritability ous system jical disorders tin disorders
ECTION 12	2. ECOLOGICAL INFO	ORN	IATION	
Ecotoxi	icity			
<u>Compo</u>	nents:			
<b>(dl)-a-T</b> oxicity	ocopheryl acetate: to fish	:	LC50 (Oncorhynchus Exposure time: 96 h Method: OECD Test	s mykiss (rainbow trout)): > 100 mg/l Guideline 203
	to daphnia and other invertebrates	:	EC50 (Daphnia magr Exposure time: 48 h Method: OECD Test	na (Water flea)): > 100 mg/l Guideline 202
Toxicity plants	to algae/aquatic	:	ErC50 (Pseudokirchr mg/l Exposure time: 72 h Method: OECD Test	neriella subcapitata (green algae)): > 100 Guideline 201
			NOEC (Pseudokirchr 100 mg/l Exposure time: 72 h Method: OECD Test	neriella subcapitata (green algae)): >= Guideline 201
Toxicity icity)	to fish (Chronic tox-	:	NOEC (Oncorhynchu Exposure time: 28 d	us mykiss (rainbow trout)): 100 mg/l
Toxicity	to microorganisms	:	EC50: > 927 mg/l Exposure time: 30 mi Method: ISO 8192	in
Benzyl	alcohol:			
Toxicity		:	LC50 (Pimephales pr Exposure time: 96 h	romelas (fathead minnow)): 460 mg/l
	to daphnia and other invertebrates	:	EC50 (Daphnia magr Exposure time: 48 h Method: OECD Test	na (Water flea)): 230 mg/l Guideline 202



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	oxicity lants	to algae/aquatic	:	EC50 (Pseudokirc mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
ad		to daphnia and other invertebrates (Chron- y)	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	
S	odium	selenite:			
То	oxicity	to fish	:	Exposure time: 96	s promelas (fathead minnow)): > 1 - 10 mg/l h on data from similar materials
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 1.2 mg/l h
	oxicity lants	to algae/aquatic	:	mg/l Exposure time: 96	monas reinhardtii (green algae)): > 0.1 - 1 h on data from similar materials
				mg/l Exposure time: 96	monas reinhardtii (green algae)): > 0.1 - 1 h on data from similar materials
	oxicity ity)	to fish (Chronic tox-	:	NOEC (Lepomis n Exposure time: 25	nacrochirus (Bluegill sunfish)): 0.022 mg/l 8 d
ac		to daphnia and other invertebrates (Chron- v)	:	NOEC: 0.096 mg/ Exposure time: 28	
		to microorganisms	:	EC50 (activated s Exposure time: 3 I Method: OECD Te	ר <u>י</u> די
Pe	ersiste	ence and degradabili	ity		
<u>C</u>	ompo	nents:			
•	•	ocopheryl acetate: adability	:	Result: Not readily Biodegradation: 2	



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		Exposure tin Method: OE	ne: 28 d CD Test Guideline 301C
Benz	yl alcohol:		
	egradability		dily biodegradable. on: 92 - 96 % ne: 14 d
Bioa	ccumulative potentia	I	
Com	ponents:		
Benz	yl alcohol:		
	ion coefficient: n- nol/water	: log Pow: 1.0	5
Mobi	lity in soil		
No da	ata available		
Othe	r adverse effects		
No da	ata available		

Disposal	methods

Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste han-
		dling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

### SECTION 14. TRANSPORT INFORMATION

### International Regulations

UNRTDG		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Environmentally hazardous	:	no
IATA-DGR		
UN/ID No.	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable



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Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)	:	Not applicable Not applicable Not applicable
IMDG-Code UN number Proper shipping name Class Subsidiary risk Packing group Labels EmS Code Marine pollutant		Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable

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

Not applicable for product as supplied.

### National Regulations

ADG		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Hazchem Code	:	Not applicable

#### Special precautions for user

Not applicable

### **SECTION 15. REGULATORY INFORMATION**

Safety, health and environmen ture	tal regulations/legislation specific for the substance of	or mix-		
Therapeutic Goods (Poisons : Standard) Instrument	No poison schedule number allocated (Please use the original publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical)			
Prohibition/Licensing Requirement	nts : There is no applicable prohibit authorisation and restricted us requirements, including for ca gens referred to in Schedule 1 the model WHS Act and Regu tions.	se rcino- 0 of		
The components of this product are reported in the following inventories:				
AICS :	not determined			

DSL : not determined



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IEC	CSC	:	not determined		
SECTIC	ON 16: ANY OTHER RELE	EVA		1	
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Fu	rther information				
So	vision Date urces of key data used to npile the Safety Data eet	:	28.09.2024 Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/		
Da	te format	:	dd.mm.yyyy		
Full text of other abbreviations					
	GIH OEL	:		eshold Limit Values (TLV) ace Exposure Standards for Airborne Con-	
	GIH / TWA OEL / TWA	:	8-hour, time-weighted average Exposure standard - time weighted average		

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



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