

Version 4.0	Revision Date: 28.09.2024		S Number: 57964-00013	Date of last issue: 30.09.2023 Date of first issue: 06.05.2019
SECTION	1. IDENTIFICATION			
Produ	Product identifier		Multivitamin (wit	h Soy Oil) Formulation
Manu	ifacturer or supplier's	s deta	ils	
Comp	Company		MSD	
Addre	Address		Rua Coronel Be Cruzeiro - Sao F	nto Soares, 530 'aulo - Brazil CEP 12730-340
Telep	Telephone		908-740-4000	
Emer	Emergency telephone		1-908-423-6000	
E-ma	E-mail address		EHSDATASTEV	/ARD@msd.com
Reco	mmended use of the	chem	ical and restriction	ons on use
	mmended use ictions on use	:	Veterinary produ Not applicable	ict

### SECTION 2. HAZARDS IDENTIFICATION

Skin irritation	:	Category 3
Reproductive toxicity	:	Category 1A
Specific target organ toxicity - repeated exposure	:	Category 1 (Liver)
Long-term (chronic) aquatic hazard	:	Category 4

# GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H316 Causes mild skin irritation. H360D May damage the unborn child. H372 Causes damage to organs (Liver) through prolonged or repeated exposure. H413 May cause long lasting harmful effects to aquatic life.



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Precautionary Statements		P264 Wash skin P270 Do not eat P273 Avoid rele	ecial instructions before use. t thoroughly after handling. t, drink or smoke when using this product. ase to the environment. ective gloves/ protective clothing/ eye protec- tion.
		attention.	exposed or concerned: Get medical advice/ skin irritation occurs: Get medical advice/ atten-
		<b>Storage:</b> P405 Store lock	ed up.

### Other hazards which do not result in classification

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Classification	Concentration (% w/w)
Soya oil	8001-22-7	Aquatic Chronic, 4	>= 70 -< 90
Vitamin A Palmitate	79-81-2	Skin Irrit., 3 Repr., 1A STOT RE, (Liver) , 1 Aquatic Chronic, 4	>= 20 -< 25
(dl)-a-Tocopheryl acetate	7695-91-2		>= 5 -< 10
Colecalciferol	67-97-0	Acute Tox. (Oral), 2 Acute Tox. (Inhala- tion), 2 Acute Tox. (Dermal), 2 STOT RE, (Kidney, Blood, Bone), 1 Aquatic Chronic, 4	>= 0,1 -< 0,25

### SECTION 4. FIRST AID MEASURES

General advice	<ul> <li>In the case of accident or if you feel unwell, seek medical advice immediately.</li> <li>When symptoms persist or in all cases of doubt seek medical advice.</li> </ul>	
If inhaled	: If inhaled, remove to fresh air. Get medical attention.	
In case of skin contact	: In case of contact, immediately flush skin with plenty of water Remove contaminated clothing and shoes.	•



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					fore reuse. shoes before reuse.	
	In case	e of eye contact	:		vater as a precaution.	
	If swallowed		:	If swallowed, DO Get medical atten	ition if irritation develops and persists. NOT induce vomiting. ition. oughly with water.	
		nportant symptoms	:	Causes mild skin	irritation.	
	and effects, both acute and delayed			May damage the Causes damage t exposure.	unborn child. to organs through prolonged or repeated	
	Protection 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).		
	Notes to physician		:		cally and supportively.	
SEC	SECTION 5. FIRE-FIGHTING MEA		ASL	JRES		
	Suitabl	e extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical		
	Unsuita media	able extinguishing	:	None known.		
	Specifi fighting	c hazards during fire I	:	Exposure to comb	pustion products may be a hazard to health.	
	Hazard ucts	lous combustion prod-	:	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 fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### **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 protective 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.



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				Local authorities a cannot be contain	should be advised if significant spillages led.
	Methods and materials for containment and cleaning up		:	For large spills, p containment to ke can be pumped, s container. Clean up remainin absorbent. Local or national disposal of this m employed in the o determine which the Sections 13 and c	t absorbent material. rovide diking or other appropriate eep material from spreading. If diked material store recovered material in appropriate ng materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding itional 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 :	Do not get on skin or clothing. Do not breathe mist or vapors. 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 assessment 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.
Conditions for safe storage :	Wash contaminated clothing before re-use. Keep in properly labeled 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 Self-reactive substances and mixtures Organic peroxides Explosives Gases



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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Vitamin A Palmitate	79-81-2	TWA	>= 1 < 10 ug/m3 (OEB 4)	Internal
(dl)-a-Tocopheryl acetate	7695-91-2	TWA	5000 ug/m3 (OEB 1)	Internal
Colecalciferol	67-97-0	TWA	5 µg/m3 (OEB 4)	Internal
		Wipe limit	50 µg/100 cm <sup>2</sup>	Internal

Engineering measures	:	Minimize workplace exposure concentrations. If sufficient ventilation is unavailable, use with local exhaust ventilation.
Personal protective equipme	ent	
Respiratory protection	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Filter type Hand protection	:	Organic vapor Type
Material	:	Chemical-resistant gloves
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
Eye protection	:	Wear the following personal protective equipment: Safety glasses
Skin 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).

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Aqueous solution
Color	:	yellow
Odor	:	characteristic
Odor Threshold	:	No data available
рН	:	No data available



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	Melting	point/freezing point	:	-5 °C	
	Initial b range	oiling point and boiling	:	194 °C	
	Flash p	oint	:	244 °C	
	Evapor	ation rate	:	No data available	
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	Not applicable	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available	
	Relative	e vapor density	:	No data available	
	Relative	e density	:	0,9 - 0,94	
	Density	,	:	No data available	
	Solubili Wat	ty(ies) er solubility	:	practically insolut	ble
	Solu	bility in other solvents	:	slightly soluble Solvent: Ethanol	
	Partition octanol	n coefficient: n-	:	Not applicable	
		hition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ty cosity, dynamic	:	68,41 - 68,81 mP Method: Brookfie	
	Visc	osity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance or	mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	
	Particle Particle	e characteristics e size	:	Not applicable	



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### 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	::	Oxidizing agents

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity Not classified based on availab		information
	ле	
Product: Acute oral toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Components:		
Vitamin A Palmitate:		
Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg Remarks: Based on data from similar materials
(dl)-a-Tocopheryl acetate:		
Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg
Acute dermal toxicity	:	LD50 (Rat): > 3.000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity
Colecalciferol:		
Acute oral toxicity	:	LD50 (Rat, male): 35 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate: 0,05 mg/l Exposure time: 4 h Test atmosphere: dust/mist



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			Method: Expert ju	udgment
Acute	e dermal toxicity	:	Acute toxicity est Method: Expert ju	
	corrosion/irritation			
<u>Com</u>	ponents:			
Vitar	nin A Palmitate:			
Spec Meth Resu	od	:	Rabbit OECD Test Guid Mild skin irritatior	
(dl)-a	a-Tocopheryl acetate:			
Spec Meth Resu	cies od	::	Rabbit OECD Test Guid No skin irritation	eline 404
	bus eye damage/eye iri classified based on avail			
	ponents:			
Vitar	nin A Palmitate:			
Spec Resu Meth	ılt	:	Rabbit No eye irritation OECD Test Guid	eline 405
(dl)-a	a-Tocopheryl acetate:			
Spec Resu Meth	cies Ilt	:	Rabbit No eye irritation OECD Test Guid	eline 405
Cole Spec Resu	<b>calciferol:</b> :ies ılt	:	Rabbit No eye irritation	
Resp	piratory or skin sensitiz	zatio	on	
_	sensitization	able	information.	
-	<b>biratory sensitization</b> classified based on avail	able	information.	
<u>Com</u>	ponents:			
Test	<b>nin A Palmitate:</b> Type es of exposure	:	Maximization Tes Skin contact	st



ersion 0	Revision Date: 28.09.2024	SDS Number: 4257964-00013	Date of last issue: 30.09.2023 Date of first issue: 06.05.2019
Speci Metho Resul	bd	: Guinea pig : OECD Test : negative	t Guideline 406
(dl)-a	-Tocopheryl acetate	:	
Test	Гуре	: Draize Test	t
	es of exposure	: Skin contac	xt
Speci Resul		: Humans : negative	
Colec	calciferol:		
Test			misation test
Route Speci	es of exposure	: Skin contac : Guinea pig	t
Resul		: negative	
	<b>cell mutagenicity</b> lassified based on ava	allable information	
	onents:		
Vitam	nin A Palmitate:		
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative
Geno	toxicity in vivo	cytogenetic Species: M Application	ouse Route: Ingestion ECD Test Guideline 474
(dl)-a	-Tocopheryl acetate	:	
	toxicity in vitro	: Test Type:	Chromosome aberration test in vitro ECD Test Guideline 473 ative
			Bacterial reverse mutation assay (AMES) ECD Test Guideline 471 ative
Geno	toxicity in vivo	cytogenetic Species: M	ouse Route: Ingestion
Colec	calciferol:		
Geno	toxicity in vitro		Bacterial reverse mutation assay (AMES) ECD Test Guideline 471 ivocal



ersion )	Revision Date: 28.09.2024	-	0S Number: 57964-00013	Date of last issue: 30.09.2023 Date of first issue: 06.05.2019
				o mammalian cell gene mutation test est Guideline 476
				nosome aberration test in vitro est Guideline 473
Genot	toxicity in vivo	:	Test Type: Mamn cytogenetic assay Species: Rat Application Route Method: OECD T Result: negative	: Ingestion
			Test Type: In vivo Species: Rat Application Route Result: positive	o mammalian alkaline comet assay :: Ingestion
	cell mutagenicity - ssment	:	Weight of evidend cell mutagen.	ce does not support classification as a germ
	assified based on availa	ble	information.	
(dl)-a	Tocopheryl acetate:			
Speci	es cation Route	:	Rat Ingestion	
	sure time	:	104 weeks negative	
-	oductive toxicity lamage the unborn child	I.		
-	oonents:			
Vitam	in A Palmitate:			
Effect	s on fetal development	:	Test Type: Embry Species: Monkey Application Route Result: positive	vo-fetal development
Repro sessm	oductive toxicity - As- nent	:	Positive evidence human epidemiol	of adverse effects on development from ogical studies.
(dl)-a·	-Tocopheryl acetate:			
Effect	s on fertility	:	Test Type: Repro test Species: Rat Application Route Result: negative	duction/Developmental toxicity screening

## SAFETY DATA SHEET



ersion 0	Revision Date: 28.09.2024	SDS Number: 4257964-00013	Date of last issue: 30.09.2023 Date of first issue: 06.05.2019
Effect	ts on fetal development	Species: Rat	Route: Ingestion
	<b>F-single exposure</b> lassified based on availa	ble information	
	Grepeated exposure		
		ver) through prolo	nged or repeated exposure.
Com	ponents:		
Vitam	nin A Palmitate:		
	es of exposure	: Ingestion	
Targe	et Organs	: Liver	
Asses	ssment	: Causes dam exposure.	age to organs through prolonged or repeated
Rema	arks		ta from similar materials
Coleo	calciferol:		
	es of exposure	: Ingestion	
	et Organs ssment	: Kidney, Bloo	
A3363	Sament		oduce significant health effects in animals at con- f 10 mg/kg bw or less.
Popo	ated dose toxicity		
Kehe			
	ponents:		
	ponents:		
<u>Com</u> Soya	oil:	: Rat	
Com Soya Speci NOAE	ponents: oil: ies EL	: 4.000 mg/kg	
Com Soya Speci NOAE Applio	oil:		
Com Soya Speci NOAE Applic Expos	ponents: oil: ies EL cation Route	: 4.000 mg/kg : Ingestion	
Com Soya Speci NOAE Applic Expose Vitam	ponents: oil: ies EL cation Route sure time nin A Palmitate: ies	: 4.000 mg/kg : Ingestion : 90 h : Rat	
Com Soya Speci NOAE Applic Expose Vitam Speci LOAE	ponents: oil: ies EL cation Route sure time hin A Palmitate: ies EL	<ul> <li>4.000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>&gt; 1 - 10 mg/k</li> </ul>	۶g
Com Soya Speci NOAE Applid Expos Vitam Speci LOAE Applid	ponents: oil: ies EL cation Route sure time nin A Palmitate: ies EL cation Route	<ul> <li>4.000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>&gt; 1 - 10 mg/k</li> <li>Ingestion</li> </ul>	٢ġ
Com Soya Speci NOAE Applid Expos Vitam Speci LOAE Applid	ponents: oil: ies EL cation Route sure time hin A Palmitate: ies EL cation Route sure time	<ul> <li>4.000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>&gt; 1 - 10 mg/k</li> <li>Ingestion</li> <li>3 Months</li> </ul>	kg ta from similar materials
Com Soya Speci NOAE Applic Expose Vitam Speci LOAE Applic Expose Rema	ponents: oil: ies EL cation Route sure time nin A Palmitate: ies EL cation Route sure time arks -Tocopheryl acetate:	<ul> <li>4.000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>&gt; 1 - 10 mg/k</li> <li>Ingestion</li> <li>3 Months</li> </ul>	
Com Soya Speci NOAE Applic Expose Vitam Speci LOAE Applic Expose Rema (dl)-a	ponents: oil: ies EL cation Route sure time nin A Palmitate: ies EL cation Route sure time arks -Tocopheryl acetate: ies	<ul> <li>4.000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>&gt; 1 - 10 mg/ł</li> <li>Ingestion</li> <li>3 Months</li> <li>Based on da</li> <li>Rat</li> </ul>	
Com Soya Speci NOAE Applic Expose Vitam Speci LOAE Applic Expose Rema (dl)-a	ponents: oil: ies EL cation Route sure time nin A Palmitate: ies EL cation Route sure time arks -Tocopheryl acetate: ies EL	<ul> <li>4.000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>&gt; 1 - 10 mg/ł</li> <li>Ingestion</li> <li>3 Months</li> <li>Based on da</li> <li>Rat</li> <li>500 mg/kg</li> </ul>	
Com Soya Speci NOAE Applic Expos Vitam Speci LOAE Applic Expos Rema (dl)-a Speci NOAE Applic	ponents: oil: ies EL cation Route sure time nin A Palmitate: ies EL cation Route sure time arks -Tocopheryl acetate: ies	<ul> <li>4.000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>&gt; 1 - 10 mg/ł</li> <li>Ingestion</li> <li>3 Months</li> <li>Based on da</li> <li>Rat</li> </ul>	
Com Soya Speci NOAE Applic Expose Vitam Speci LOAE Applic Expose Rema (dl)-a Speci NOAE Applic Expose Rema	ponents: oil: ies EL cation Route sure time nin A Palmitate: ies EL cation Route sure time arks -Tocopheryl acetate: ies EL cation Route	<ul> <li>4.000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>&gt; 1 - 10 mg/kg</li> <li>Ingestion</li> <li>3 Months</li> <li>Based on da</li> <li>Rat</li> <li>500 mg/kg</li> <li>Ingestion</li> </ul>	



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NOAEL LOAEL Application Route Exposure time Method		: 0,06 mg/kg : 0,3 mg/kg : Ingestion : 90 Days : OECD Test Gu	: 0,3 mg/kg : Ingestion			
-	ation toxicity lassified based on ava	ilable information.				
Expe	rience with human e	xposure				
Comp	oonents:					
Vitam	nin A Palmitate:					
Inges	tion	Symptoms: Em	r impairment d on data from similar materials bryo-fetal toxicity. d on data from similar materials			

### Ecotoxicity

Components:

### Vitamin A Palmitate:

Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): > 1.000 mg/l Exposure time: 96 h Method: DIN 38412 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): 152,94 mg/l Exposure time: 72 h
(dl)-a-Tocopheryl acetate:		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201



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			NOEC (Pseudokin 100 mg/l Exposure time: 72 Method: OECD Te	
Toxicit icity)	y to fish (Chronic tox-	:	NOEC (Oncorhyn Exposure time: 28	chus mykiss (rainbow trout)): 100 mg/l 3 d
Toxicit	y to microorganisms	:	EC50: > 927 mg/l Exposure time: 30 Method: ISO 8192	
Coleca	alciferol:			
	y to fish	:	LL50 (Danio rerio Exposure time: 96 Method: OECD To	
	y to daphnia and other c invertebrates	:	EL50 (Daphnia m Exposure time: 48 Method: OECD Te	
Toxicit plants	y to algae/aquatic	:	EL50 (Scenedesn 100 mg/l Exposure time: 96 Method: OECD To	
II Persis	tence and degradabili	ity		
<u>Comp</u>	onents:			
Vitami	in A Palmitate:			
Biodeg	gradability	:	Result: Not readil Biodegradation: 4 Exposure time: 28 Method: OECD To	40 - 50 %
(dl)-a-	Tocopheryl acetate:			
Biodeg	gradability	:	Result: Not readily Biodegradation: 2 Exposure time: 28 Method: OECD To	21,7 - 31 %
Coleca	alciferol:			
Biodeç	gradability	:	Result: Not readily Biodegradation: - Exposure time: 28 Method: OECD Te	<= 7 %



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Bioac	cumulative potential			
<u>Comp</u>	onents:			
Soya	oil:			
	on coefficient: n- bl/water	:	log Pow: > 4 Remarks: Calcula	ation
Vitam	in A Palmitate:			
	on coefficient: n- bl/water	:	log Pow: > 6,2	
Colec	alciferol:			
	on coefficient: n- bl/water	:	log Pow: > 6,2 Method: OECD T	est Guideline 107
Mobili	ity in soil			
No da	ta available			
Other	adverse effects			
No da	ta available			

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal r	nethods
------------	---------

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

### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

### UNRTDG

Not regulated as a dangerous good

#### **IATA-DGR**

Not regulated as a dangerous good

### **IMDG-Code** Not regulated as a dangerous good

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

Not applicable for product as supplied.

### **Domestic regulation**

### ANTT

Not regulated as a dangerous good

## Special precautions for user

Not applicable





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050710						
SECTIO	ON 15. REGULATORY II	NFORMATION				
	fety, health and enviror xture	nmental regulations/l	egislation specific for the substance or			
	National List of Carcinogenic Agents for Humans - : Not applicable (LINACH)					
	Brazil. List of chemicals controlled by the Federal : Not applicable Police					
Th	The ingredients of this product are reported in the following inventories:					
AIG	CS	: not determined				
DS	SL	: not determined				
IEC	CSC	: not determined				
SECTIO	ON 16. OTHER INFORM	ATION				

### SECTION 16. OTHER INFORMATION

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Date format	:	dd.mm.yyyy

### Further information

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

### Full text of other abbreviations

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



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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.

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