

Version 1.7	Revision Date: 30.09.2023		S Number: 22078-00008	Date of last issue: 04.04.2023 Date of first issue: 22.11.2019		
SECTION	SECTION 1. PRODUCT AND COMPANY IDENTIFICATION					
Produ	uct name	:	Pancrelipase (High / Low Lipase) Formulation			
Manu	afacturer or supplier's	s detai	ls			
Com	bany	:	Organon & Co.			
Address		:	Rua Treze de Maio, 1161 Campinas, São Paulo, Brazil 13106-054			
Telephone		:	+55 (19) 3758-2000			
Emergency telephone		:	+55 (11) 3173-4931			
E-mail address		:	EHSSTEWARD@organon.com			
Reco	Recommended use of the chemical and restrictions on use					
	mmended use ictions on use	:	Pharmaceutical Not applicable			

#### SECTION 2. HAZARDS IDENTIFICATION

GHS Classification in accordance with ABNT NBR 14725 Standard Skin irritation : Category 2				
Eye irritation	: Category 2A			
Respiratory sensitization	: Category 1			
Short-term (acute) aquatic hazard	: Category 2			
GHS label elements in accor Hazard pictograms	lance with ABNT NBR 14725 Standard			
Signal Word	: Danger			
Hazard Statements	<ul> <li>H315 Causes skin irritation.</li> <li>H319 Causes serious eye irritation.</li> <li>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>H401 Toxic to aquatic life.</li> </ul>	3		
Precautionary Statements	<ul> <li>Prevention:</li> <li>P264 Wash skin thoroughly after handling.</li> </ul>			



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			lease to the environment. otective gloves/ eye protection/ face protection.	
		<ul> <li>Response:</li> <li>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P337 + P313 If eye irritation persists: Get medical advice/ a tention.</li> <li>P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.</li> </ul>		

#### Other hazards which do not result in classification

May form combustible dust concentrations in air.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	
Substance / Mixture	

Components	
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Chemical name	CAS-No.	Classification	Concentration (% w/w)
Pancrelipase	53608-75-6	Skin irritation, Category 2 Eye irritation, Category 2A Respiratory sensitiza- tion, Category 1 Short-term (acute) aquatic hazard, Category 2	>= 70 -< 90
Talc	14807-96-6		>= 5 -< 10
Starch	9005-25-8		>= 1 -< 5
Sucrose	57-50-1		>= 1 -< 5
Diethyl phthalate	84-66-2	Short-term (acute) aquatic hazard, Category 3	>= 1 -< 2,5

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

General advice :	In the case of accident or if you feel unwell, seek medical advice 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.
In case of skin contact :	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.



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In case of eye contact		: In case of conta	<ul><li>Thoroughly clean shoes before reuse.</li><li>In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.</li></ul>			
lf swa	llowed	If easy to do, remove contact lens, if worn. Get medical attention. If swallowed, DO NOT induce vomiting.				
ii Swallowed		Get medical attention if symptoms occur. Rinse mouth thoroughly with water.				
Most important symptoms and effects, both acute and delayed		<ul> <li>Causes skin irritation.</li> <li>Causes serious eye irritation.</li> <li>May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.</li> </ul>				
		other respirator	osure may aggravate preexisting asthma and y disorders (e.g. emphysema, bronchitis, reac- sfunction syndrome).			
Prote	ction of first-aiders	<ul> <li>First Aid responders should pay attention to self-prote and use the recommended personal protective equips when the potential for exposure exists (see section 8)</li> </ul>				
Notes	to physician		atically and supportively.			

#### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Do not use a solid water stream as it may scatter and spread fire. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Sulfur 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.



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	ds and materials for nment and cleaning up	<ul> <li>Retain and disp Local authoritie cannot be contained over the area to Add excess liquing Soak up with in Avoid dispersal with compresses Dust deposits as surfaces, as the released into the Clean up remained absorbent. Local or nationained disposal of this employed in the determine whic Sections 13 and</li> </ul>	vith absorbents and place a damp covering o minimize entry of the material into the air. uid to allow the material to enter into solution. ert absorbent material. of dust in the air (i.e., clearing dust surfaces

#### SECTION 7. HANDLING AND STORAGE

Technical measures :	Static electricity may accumulate and ignite suspended dust causing an explosion.
	Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation :	Use only with adequate ventilation.
Advice on safe handling :	Do not get on skin or clothing.
	Avoid breathing dust, fume, gas, mist, vapors or spray. Do not swallow.
	Do not get in 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.
	Already sensitized individuals, and those susceptible
	to asthma, allergies, chronic or recurrent respiratory disease,
	should consult their physician regarding working with
	respiratory irritants or sensitizers.
	Minimize dust generation and accumulation.
	Keep container closed when not in use.
	Keep away from heat and sources of ignition.
	Take precautionary measures against static discharges.
	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.



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		engineering con appropriate deg	eration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, ne monitoring, medical surveillance and the ative controls.
Cond	ditions for safe storage	Keep tightly close	
Mate	rials to avoid		ance with the particular national regulations. h the following product types: agents

#### 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
Pancrelipase	53608-75-6	TWA	OEB 3 (>= 10 < 100 µg/m3)	Internal
Talc	14807-96-6	TWA (Respirable particulate matter)	2 mg/m <sup>3</sup>	ACGIH
Starch	9005-25-8	TWA	10 mg/m <sup>3</sup>	ACGIH
Sucrose	57-50-1	TWA	10 mg/m <sup>3</sup>	ACGIH
Diethyl phthalate	84-66-2	TWA	5 mg/m³	ACGIH

Engineering measures	<ul> <li>All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.</li> <li>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 containment devices).</li> </ul>
	Minimize open handling.

#### Personal protective equipment

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	:	Combined particulates and organic vapor type
Material	:	Chemical-resistant gloves
Remarks	:	Consider double gloving.
Eye protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection	:	Work uniform or laboratory coat.



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			task being perform disposable suits)	arments should be used based upon the ned (e.g., sleevelets, apron, gauntlets, to avoid exposed skin surfaces. legowning techniques to remove potentially thing.
SECTIO	N 9. PHYSICAL AND CH	ΞΜΙΟ	CAL PROPERTIE	S
Арр	earance	:	solid	
Cold	or	:	No data available	9
Odo	Dr	:	No data available	9
Odo	or Threshold	:	No data available	9
pН		:	No data available	9
Mel	ting point/freezing point	:	No data available	9
Initia rang	al boiling point and boiling ge	:	No data available	e
Flas	sh point	:	Not applicable	
Eva	poration rate	:	Not applicable	
Flar	nmability (solid, gas)	:	May form combu	stible dust concentrations in air.
Flar	nmability (liquids)	:	Not applicable	
	per explosion limit / Upper nmability limit	:	No data available	9
	ver explosion limit / Lower Imability limit	:	No data available	9
Vap	or pressure	:	Not applicable	
Rela	ative vapor density	:	Not applicable	
Rela	ative density	:	No data available	9
Den	isity	:	No data available	9
	ubility(ies) Water solubility	:	No data available	9
	tition coefficient: n-	:	Not applicable	
	anol/water Dignition temperature	:	No data available	9
Dec	composition temperature	:	No data available	e
Viso	cosity			

#### SAFETY DATA SHEET



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Vis	scosity, kinematic	:	Not applicable	
Explo	sive properties	:	Not explosive	
Oxidiz	zing properties	:	The substance o	r mixture is not classified as oxidizing.
Molec	cular weight	:	No data available	e
Partic	le size	:	No data available	9

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. May form combustible dust concentrations in air. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials Hazardous decomposition	:	Oxidizing agents No hazardous decomposition products are known.
products		

#### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation Skin contact Ingestion Eye contact
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#### Acute toxicity

Not classified based on available information.

#### **Components:**

Acute oral toxicity :	LD50 (Rat): > 10.000 mg/kg
Talc:Acute oral toxicity:	LD50 (Rat): > 5.000 mg/kg Remarks: Based on data from similar materials
Starch:	
Acute oral toxicity :	LD50 (Rat): > 5.000 mg/kg
Acute dermal toxicity :	LD50 (Rabbit): > 2.000 mg/kg
Sucrose:	
Acute oral toxicity :	LD50 (Rat): 29.700 mg/kg



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	Diethv	l phthalate:				
	Acute oral toxicity :		:	LD50 (Rat): > 5.000 mg/kg		
	Acute i	nhalation toxicity	:	LC50 (Rat): > 4,64 mg/l Exposure time: 6 h Test atmosphere: vapor		
	Acute	dermal toxicity	:	LD50 (Rat): > 11	181 mg/kg	
		orrosion/irritation				
	Cause	s skin irritation.				
	Comp	onents:				
	Pancre	elipase:				
	Specie		:	Rabbit	-line 404	
	Methoo Result		:	OECD Test Guid Skin irritation	eline 404	
	Remar	ks	:		om similar materials	
	Talc:					
	Specie Result	S	:	Rabbit No skin irritation		
	Result		•	NO SKIN IMIALION		
	Diethy	l phthalate:				
	Specie	S	:	Rabbit		
	Result		:	No skin irritation		
	Serious eye damage/eye irritat Causes serious eye irritation.			on		
	Compo	onents:				
		elipase:				
	Result Remar	ks	:		reversing within 21 days om similar materials	
	Remai		•	Duscu on dulu n		
	Talc:					
	Specie	S	:	Rabbit		
	Result		:	No eye irritation		
	Starch	:				
	Specie	S	:	Rabbit		
	Result		:	No eye irritation		
	Diethy	l phthalate:				
	Specie		:	Rabbit		
	Result		:	No eye irritation		
	Remar	ks	:	Based on data fro	om similar materials	



Skin se Not clas Respira	atory or skin sensi ensitization	tizatio				
Not clas <b>Respira</b>	ensitization		n			
-	ssified based on ava	ailable	information.			
-	atory sensitization					
	-		ptoms or breathin	g difficulties if inhaled.		
<u>Compo</u>	onents:					
Pancre	lipase:					
	of exposure	:	Inhalation			
Species Result	3	:	Humans			
Remark	(S		positive Based on data fro	om similar materials		
Assessi	ment	·	May cause serisi	tization by inhalation.		
Talc:						
	of exposure	:	Skin contact			
Species Result	6	÷	Humans negative			
Result		•	negative			
Starch:	:					
Test Ty	-	:	Maximization Te	st		
Routes Species	of exposure	÷	Skin contact Guinea pig			
Result	>	:	negative			
Diothyl	phthalate:					
Test Ty	-		Buehler Test			
	of exposure	÷	Skin contact			
Species		:	Guinea pig			
Result		:	negative			
Germ c	ell mutagenicity					
Not clas	ssified based on ava	ailable	information.			
<u>Compo</u>	onents:					
Pancre	lipase:					
Genoto	xicity in vitro	:		erial reverse mutation assay (AMES)		
			Result: negative	Fest Guideline 471		
				on data from similar materials		
			Test Type: In vitr	o mammalian cell gene mutation tes		
				Fest Guideline 476		
			Result: negative			
			Remarks: Based	on data from similar materials		
				mosome aberration test in vitro		
			Method: OECD T	Fest Guideline 473		
			9 / 15			



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		Result: negativ Remarks: Base	ve ed on data from similar materials				
Talc:							
Genotoxicity in vitro		thesis in mamr	Test Type: DNA damage and repair, unscheduled DNA syn- thesis in mammalian cells (in vitro) Result: negative				
Genotoxicity in vivo		Species: Rat Application Ro	Test Type: Chromosome aberration test in vitro Species: Rat Application Route: Ingestion Result: negative				
Starc	h:						
Geno	toxicity in vitro		Test Type: Bacterial reverse mutation assay (AMES) Result: negative				
Sucro	ose:						
Genotoxicity in vitro			Test Type: In vitro mammalian cell gene mutation test Result: negative				
Dieth	yl phthalate:						
Genotoxicity in vitro			cterial reverse mutation assay (AMES) D Test Guideline 471 /e				
			vitro mammalian cell gene mutation test D Test Guideline 476 ve				
			romosome aberration test in vitro D Test Guideline 473 /e				
	nogenicity						
	assified based on av conents:	allable information.					
Talc:							
Speci	es	: Mouse					
	cation Route	: inhalation (dus : 2 Years	t/mist/fume)				
Resu	sure time It	: negative					
Dieth	yl phthalate:						
Speci	es	: Rat					
	cation Route	: Skin contact : 103 weeks					
Resu	sure time	: negative					



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•	roductive toxicity classified based on availa	able	information.	
Com	ponents:			
Pano	crelipase:			
Effec	cts on fertility	:	Species: Rat Application Route Result: negative	eneration reproduction toxicity study e: Ingestion on data from similar materials
Effec	ts on fetal development	:	Species: Rat Application Route Result: negative	vo-fetal development e: Ingestion on data from similar materials
Talc Effec	: ets on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	vo-fetal development e: Ingestion
Diet	hyl phthalate:			
Effec	ts on fertility	:	Species: Rat Application Route	eneration reproduction toxicity study e: Ingestion est Guideline 416
Effec	ts on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	vo-fetal development e: Ingestion
			Test Type: Embry Species: Rabbit Application Route Result: negative	vo-fetal development e: Skin contact
	T-single exposure classified based on availa	able	information.	
	T-repeated exposure classified based on availa	able	information.	
Repe	eated dose toxicity			
<u>Com</u>	ponents:			
Pano Spec NOA		:	Rat > 100 mg/kg	

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Application Route Exposure time Method Remarks	:	Ingestion 13 Weeks OECD Test Gu Based on data	ideline 408 from similar materials
Remarks	•	Dasca on data	
Starch:			
Species	:	Rat	
NOAEL Application Route	:	>= 2.000 mg/kg Skin contact	
Exposure time	÷	28 Days	
Method	:	OECD Test Gu	ideline 410
Diethyl phthalate:			
Species	:	Rat	
NOAEL	:	150 mg/kg	
Application Route Exposure time	:	Ingestion 16 Weeks	
	•	TO WEEKS	
Aspiration toxicity			
Not classified based on available	able	information.	
TION 12. ECOLOGICAL INF			
Ecotoxicity			
Components:			
Pancrelipase:			
Toxicity to fish	:	Exposure time:	
•	:	Exposure time: Method: OECD	
Toxicity to fish Toxicity to daphnia and other	: r :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l
Toxicity to fish	: r :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time:	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h
Toxicity to fish Toxicity to daphnia and other	: r :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates	: r :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic	: r : :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base ErC50 (Pseudo	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates	: r : :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base ErC50 (Pseudo 10 mg/l	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials kirchneriella subcapitata (green algae)): > 1 -
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic	: r : :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base ErC50 (Pseudo 10 mg/l Exposure time:	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials kirchneriella subcapitata (green algae)): > 1
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic	: r : :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base ErC50 (Pseudo 10 mg/l Exposure time: Method: OECD	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials kirchneriella subcapitata (green algae)): > 1 - 72 h
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic	: r :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base ErC50 (Pseudo 10 mg/l Exposure time: Method: OECD Remarks: Base NOEC (Desmo	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials kirchneriella subcapitata (green algae)): > 1 - 72 h Test Guideline 201 d on data from similar materials desmus subspicatus (green algae)): > 1 mg/l
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic	: r :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base ErC50 (Pseudo 10 mg/I Exposure time: Method: OECD Remarks: Base NOEC (Desmo Exposure time:	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials kirchneriella subcapitata (green algae)): > 1 - 72 h Test Guideline 201 d on data from similar materials desmus subspicatus (green algae)): > 1 mg/l 72 h
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic	: r :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base ErC50 (Pseudo 10 mg/l Exposure time: Method: OECD Remarks: Base NOEC (Desmo Exposure time: Method: OECD	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials kirchneriella subcapitata (green algae)): > 1 72 h Test Guideline 201 d on data from similar materials desmus subspicatus (green algae)): > 1 mg/l 72 h Test Guideline 201
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic	: r : :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base ErC50 (Pseudo 10 mg/l Exposure time: Method: OECD Remarks: Base NOEC (Desmo Exposure time: Method: OECD	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials kirchneriella subcapitata (green algae)): > 1 - 72 h Test Guideline 201 d on data from similar materials desmus subspicatus (green algae)): > 1 mg/l 72 h
Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic	: r : :	Exposure time: Method: OECD Remarks: Base EC50 (Daphnia Exposure time: Method: OECD Remarks: Base ErC50 (Pseudo 10 mg/l Exposure time: Method: OECD Remarks: Base NOEC (Desmo Exposure time: Method: OECD Remarks: Base	96 h Test Guideline 203 d on data from similar materials magna (Water flea)): > 10 - 100 mg/l 48 h Test Guideline 202 d on data from similar materials kirchneriella subcapitata (green algae)): > 1 - 72 h Test Guideline 201 d on data from similar materials desmus subspicatus (green algae)): > 1 mg/l 72 h Test Guideline 201



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<b>Diethyl phthalate:</b> Toxicity to fish		:	: LC50 (Oncorhynchus mykiss (rainbow trout)): 12 mg/l Exposure time: 96 h			
Toxicity to daphnia and other aquatic invertebrates		:	LC50 (Daphnia magna (Water flea)): 90 mg/l Exposure time: 48 h			
	Toxicity to algae/aquatic plants		ErC50 (Desmodesmus subspicatus (green algae)): 45 mg/l Exposure time: 72 h			
			EC10 (Desmodesmus subspicatus (green algae)): 9 mg/l Exposure time: 72 h			
Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Cyprinus carpio (Carp)): 5 mg/l Exposure time: 28 d			
aquati	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		NOEC (Daphnia magna (Water flea)): 25 mg/l Exposure time: 21 d			
Persi	stence and degradabil	ity				
<u>Comp</u>	oonents:					
	<b>Pancrelipase:</b> Biodegradability		Result: Readily t	biodegradable.		
	<b>Diethyl phthalate:</b> Biodegradability		Result: Readily biodegradable. Biodegradation: 94,6 % Exposure time: 28 d			
Bioac	cumulative potential					
<u>Comp</u>	oonents:					
Partiti	relipase: on coefficient: n- ol/water	:	: log Pow: < 4			
	ose: on coefficient: n- ol/water	:	Pow: < 1			
<b>Dieth</b> Partiti	yl phthalate: on coefficient: n- ol/water	:	log Pow: 2,2			
	<b>ity in soil</b> Ita available					
	<b>adverse effects</b> Ita available					



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#### SECTION 13. DISPOSAL CONSIDERATIONS

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 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

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

# Safety, health and environmental regulations/legislation specific for the substance or mixture

National List of Carcinogenic Agents for Humans -<br/>(LINACH): Not applicableBrazil. List of chemicals controlled by the Federal<br/>Police: Not applicable

#### The ingredients of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

#### **SECTION 16. OTHER INFORMATION**

**Revision Date** 

:



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Date	format	:	dd.mm.yyyy	
Sourc	Further information Sources of key data used to compile the Material Safety Data Sheet			data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/
Full t ACG	ext of other abbreviati ⊣			eshold Limit Values (TLV)
ACG	IH / TWA	:	8-hour, time-weig	hted 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

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 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.