

Versio 6.0	on	Revision Date: 06.04.2024		OS Number: 066-00023	Date of last issue: 26.09.2023 Date of first issue: 15.10.2014	
SEC	SECTION 1: Identification of the substance/mixture and of the company/undertaking					
1.1 Pi	roduct	identifier				
Т	Frade n	ame	:	Alendronate / Vitamin D Formulation		
1.2 R	elevan	t identified uses of t	he s	substance or mixt	ure and uses advised against	
Use of the Sub- stance/Mixture			:	Pharmaceutical		
	Recommended restrictions on use		:	Not applicable		
1.3 D	etails o	of the supplier of the	saf	ety data sheet		
Company		ny	:	Organon & Co. 30 Hudson Street 07302 Jersey Cit	, 33nd floor y, New Jersey, U.S.A	
Т	Felepho	one	:	+1-551-430-6000		
		address of person sible for the SDS	:	EHSSTEWARD@	organon.com	
1.4 Emergency telephone number						

+1-215-631-6999

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 Skin irritation, Category 2 Serious eye damage, Category 1 Reproductive toxicity, Category 2 Specific target organ toxicity - single exposure, Category 3 Specific target organ toxicity - repeated exposure, Category 2

H302: Harmful if swallowed. H315: Causes skin irritation.

H318: Causes serious eye damage.

H361d: Suspected of damaging the unborn child.

H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

-



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Hazard statements		H315 C H318 C H335 M H361d S H373 M	armful if swallowed. auses skin irritation. auses serious eye damage. lay cause respiratory irritation. uspected of damaging the unborn child. lay cause damage to organs through prolonged or exposure.
Precautionary statements		P260 D P280 V	on: btain special instructions before use. o not breathe dust. /ear protective gloves/ protective clothing/ eye protec- protection.
		air and ke CENTER P305 + P with wate sent and POISON	e: 340 + P312 IF INHALED: Remove person to fresh sep comfortable for breathing. Call a POISON / doctor if you feel unwell. 351 + P338 + P310 IF IN EYES: Rinse cautiously r for several minutes. Remove contact lenses, if pre- easy to do. Continue rinsing. Immediately call a CENTER/ doctor. 313 IF exposed or concerned: Get medical advice/

Hazardous components which must be listed on the label: Alendronate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

May form explosive dust-air mixture during processing, handling or other means.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Alendronate	121268-17-5	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Repr. 2; H361d STOT SE 3; H335 STOT RE 2; H373 (Bone, Stomach, Kidney)	>= 20 - < 30
Colecalciferol	67-97-0 200-673-2	Acute Tox. 2; H300 Acute Tox. 2; H330	>= 0,025 - < 0,1



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		603-180-	00-4 Acute Tox. 2; H310 STOT RE 1; H372 (Kidney, Blood, Bone) Aquatic Chronic 4; H413

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of 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.
	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).
	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 for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
	In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.
	If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
4.2	Most important symptoms an	d e	ffects, both acute and delayed
	Risks	:	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.
4.3	•	ned	ical attention and special treatment needed
	Treatment	:	Treat symptomatically and supportively.



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SECTION 5: Firefighting measures

5.1 Extinguishing media

media

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing	:	None known.

5.2 Special hazards arising from the substance or mixture

J.Z	5.2 Special hazards ansing from the substance of mixture				
	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. Exposure to combustion products may be a hazard to health.		
	Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Phosphorus compounds Metal oxides		
5.3	Advice for firefighters				
	Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.		
	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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).		
6.2 Environmental precautions				
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.		
6.3 Methods and material for containment and cleaning up				

Methods for cleaning up : Surround spill with absorbents and place a damp covering



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		Add excess line Soak up with i Avoid dispersa with compress Dust deposits es, as these m leased into the Clean up rema bent. Local or nation posal of this m employed in th mine which reg Sections 13 an	to minimise entry of the material into the air. quid to allow the material to enter into solution. nert absorbent material. al of dust in the air (i.e., clearing dust surfaces aed air). should not be allowed to accumulate on surfac- nay form an explosive mixture if they are re- e atmosphere in sufficient concentration. aining materials from spill with suitable absor- nal regulations may apply to releases and dis- naterial, as well as those materials and items ne cleanup of releases. You will need to deter- gulations are applicable. Ind 15 of this SDS provide information regarding r national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing.
		Do not breathe dust.
		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 as- sessment
		Keep container tightly closed.
		Already sensitised individuals, and those susceptible
		to asthma, allergies, chronic or recurrent respiratory disease,
		should consult their physician regarding working with respira- tory irritants or sensitisers.
		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.
		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 contami- nated clothing before re-use.
		The effective operation of a facility should include review of



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			appropriate dego	rols, proper personal protective equipment, wning and decontamination procedures, e monitoring, medical surveillance and the tive controls.	
7.2 Conditions for safe storage, including any incompatibilities					
Requirements for storage areas and containers		:	Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations.		
Advice	e on common storage	:	Do not store with Strong oxidizing	the following product types: agents	
7.3 Specific end use(s) Specific use(s)		:	No data available		

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis				
Cellulose	9004-34-6	OEL-RL	10 mg/m3	ZA OEL				
		Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents						
Alendronate	121268-17- 5	TWA	20 µg/m3 (OEB 3)	Internal				
		Wipe limit	200 µg/100 cm ²	Internal				
Colecalciferol	67-97-0	TWA	5 µg/m3 (OEB 4)	Internal				
		Wipe limit	50 µg/100 cm ²	Internal				

8.2 Exposure controls

Engineering measures

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 containment de-

vices). Minimize open handling.

Personal protective equipment

Eye/face protection Hand 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.
Material	:	Chemical-resistant gloves



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	emarks and body protection	Additional boo being perform suits) to avoid	or laboratory coat. dy garments should be used based upon the task ned (e.g., sleevelets, apron, gauntlets, disposable d exposed skin surfaces.
	iratory protection Iter type	contaminated : If adequate Ic sure assessm	ncal exhaust ventilation is not available or expo- nent demonstrates exposures outside the rec- uidelines, use respiratory protection.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	: :	powder off-white odourless 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	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility Partition coefficient: n- octanol/water Auto-ignition temperature	::	No data available Not applicable No data available



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Deco	Decomposition temperature		No data availabl	e
Visco Vis	sity scosity, kinematic	:	Not applicable	
Explosive properties		:	Not explosive	
Oxidiz	Oxidizing properties		The substance of	or mixture is not classified as oxidizing.
9.2 Other information Flammability (liquids)		:	No data availabl	e
Partic	le size	:	No data availabl	e

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
10.4 Conditions to avoid		
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
10.5 Incompatible materials		
Materials to avoid	:	Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Acute toxicity

Harmful if swallowed.

Product:

Acute oral toxicity

: Acute toxicity estimate: 1.965 mg/kg



ersion 0	Revision Date: 06.04.2024		DS Number: 066-00023	Date of last issue: 26.09.2023 Date of first issue: 15.10.2014
			Method: Calcu	lation method
<u>Com</u>	ponents:			
Alend	dronate:			
Acute	e oral toxicity	:	LD50 (Rat): 55	52 - 626 mg/kg
			LD50 (Mouse)	: 966 - 1.280 mg/kg
Acute	e inhalation toxicity	:	Remarks: No o	data available
Acute	e dermal toxicity	:	Remarks: No o	data available
Coleo	calciferol:			
Acute	e oral toxicity	:	LD50 (Rat, ma	ıle): 35 mg/kg
Acute	inhalation toxicity	:	Acute toxicity of Exposure time Test atmosphe Method: Expen	ere: dust/mist
Acute	e dermal toxicity	:	Acute toxicity of Method: Expendent	estimate: 50 mg/kg rt judgement
Caus <u>Com</u>	corrosion/irritation es skin irritation. ponents: dronate: ies	:	Rabbit	
Rema	arks	:	Severe skin irr	itation
Cause	ous eye damage/eye ir es serious eye damage ponents:		on	
Alend	dronate:			
Speci Resu		:	Rabbit Severe irritatio	n
Coleo	calciferol:			
Speci Resu		:	Rabbit No eye irritatio	n
-	iratory or skin sensiti	satic	on	
-	sensitisation lassified based on avail			



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Respi	ratory sensitisatior	า				
-	assified based on av		information.			
<u>Comp</u>	onents:					
Alend	ronate:					
Remarks : No data available						
Colec	alciferol:					
Test T		:	Maurer optimisat	ion test		
Expos	ure routes		Skin contact Guinea pig			
Result		:	negative			
Germ	cell mutagenicity					
	assified based on av	ailable	information.			
<u>Comp</u>	onents:					
Alend	ronate:					
Genot	oxicity in vitro	:	Test Type: Alkali			
			Test system: rat Result: negative	hepatocytes		
			Result. negative			
				erial reverse mutation assay (AMES) ion: with and without metabolic activation		
			Test Type: In vitr Result: negative	o mammalian cell gene mutation test		
			Test Type: Chror	mosomal aberration		
			Test system: Chi Result: equivoca	nese hamster ovary cells I		
Genot	oxicity in vivo	:		nosomal aberration		
			Species: Mouse Result: negative			
			nooun nogunvo			
	alciferol:					
Genot	oxicity in vitro	:		erial reverse mutation assay (AMES) Test Guideline 471 I		
				o mammalian cell gene mutation test Fest Guideline 476		
				nosome aberration test in vitro Fest Guideline 473		
Genot	oxicity in vivo	:	Test Type: Mam	malian erythrocyte micronucleus test (in vivo		



ersion)	Revision Date: 06.04.2024	-	9S Number: 066-00023	Date of last issue: 26.09.2023 Date of first issue: 15.10.2014
			cytogenetic ass Species: Rat Application Rou Method: OECD Result: negativ	ute: Ingestion Test Guideline 474
			Test Type: In v Species: Rat Application Rou Result: positive	
Germ sessn	cell mutagenicity- As- nent	:	Weight of evide cell mutagen.	ence does not support classification as a germ
	nogenicity assified based on availa	able	information.	
<u>Comp</u>	oonents:			
Alenc	Ironate:			
	es cation Route sure time	: : : : : : : : : : : : : : : : : : : :	Rat, male Oral 2 Years 1 mg/kg body v 3,75 mg/kg body	
Targe Rema	et Organs Irks	:	Thyroid	n or mode of action may not be relevant in hu
•	oductive toxicity			
-	ected of damaging the u ponents:	Indol	'n chiid.	
Alenc	Ironate:			
Effect	s on fertility	:	Application Rou Fertility: NOAE	nale and female
Effect ment	s on foetal develop-	:	Symptoms: Reweight, Skeleta	emale ute: Oral Toxicity: LOAEL: 1 - 15 mg/kg body weight duced number of viable fetuses, Reduced boc I malformations toxic effects and adverse effects on the off-
			Test Type: Dev Species: Rabbi Application Rou Developmental	t, female



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II			Result: No adv	verse effects
Repro sessr	oductive toxicity - As- nent	:	Some evidenc animal experir	e of adverse effects on development, based or nents.
	- single exposure cause respiratory irrita	tion.		
Com	oonents:			
Alend	dronate:			
Asses	ssment	:	May cause res	piratory irritation.
STOT	- repeated exposure	9		
May o	cause damage to orga	ns thr	ough prolonged	or repeated exposure.
Com	oonents:			
Alend	dronate:			
	et Organs	:	Bone, Stomac	
Asses	ssment	:	May cause da exposure.	mage to organs through prolonged or repeated
Coleo	calciferol:			
	sure routes	:	Ingestion	
	et Organs ssment	:		Bone luce significant health effects in animals at con- 10 mg/kg bw or less.
Repe	ated dose toxicity			
-	oonents:			
Alend	dronate:			
Speci		:	Rat	
NOAI		:	2,5 mg/kg	
LOAE	EL cation Route	:	> 2,5 mg/kg Intravenous	
	sure time	:	53 Weeks	
	et Organs		Stomach	
Speci	es	:	Dog	
LÒAE	EL	:	0,01 mg/kg	
	cation Route	:	Intravenous	
	sure time et Organs	:	3 yr Stomach, Bon	e, Kidney
Speci	es	:	Dog	
NOA	EL	:	2 mg/kg	
LOAE		:	4 mg/kg	
A ~ ~ .	cation Route		Oral	
	sure time	•	53 Weeks	



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Coleo	calciferol:					
	EL EL cation Route sure time		Rat 0,06 mg/kg 0,3 mg/kg Ingestion 90 Days OECD Test Gui	deline 408		
Aspir	ration toxicity lassified based on avai	lable				
<u>Com</u>	oonents:					
	dronate: pplicable					
Expe	rience with human ex	posi	ire			
Com	oonents:					
Inhala Skin o	contact contact	 Symptoms: respiratory tract irritation Symptoms: Severe irritation, skin blistering Symptoms: Severe irritation Symptoms: Gastrointestinal disturbance, musculoskeletal p 				
SECTION	12: Ecological info	orma	tion			
<i></i>						
12.1 Toxic	-					
	oonents:					
	dronate: ity to fish	:	Exposure time:	les promelas (fathead minnow)): 27 mg/l 96 h Test Guideline 203		
			LC50 (Oncorhyr Exposure time: Method: FDA 4.			
	ity to daphnia and othe ic invertebrates	r:	Exposure time:	magna (Water flea)): 170 mg/l 48 h Test Guideline 202		
Toxic plants	ity to algae/aquatic	:	mg/l Exposure time:	kirchneriella subcapitata (green algae)): > 10 72 h Test Guideline 201		

NOEC (Pseudokirchneriella subcapitata (green algae)): 4 mg/l Exposure time: 72 h

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Toxici icity)	Toxicity to fish (Chronic tox- icity)				
			LOEC: 1,9 mg/l Exposure time: 32 Species: Pimepha Method: OECD T	ales promelas (fathead minnow)	
	ty to daphnia and other c invertebrates (Chron- city)		Exposure time: 27	n magna (Water flea)	
Colec	alciferol:				
Toxici	ty to fish	:	LL50 (Danio rerio Exposure time: 96 Method: OECD T		
	ty to daphnia and other c invertebrates	:	EL50 (Daphnia m Exposure time: 48 Method: OECD T		
Toxici plants	ty to algae/aquatic	:	EL50 (Scenedesr 100 mg/l Exposure time: 96 Method: OECD T		
12.2 Persistence and degradability					

Components:

	_	
Alen	dron	ate:

Biodegradability	:	Result: Readily biodegradable. Biodegradation: 70,3 % Exposure time: 7 d
Stability in water	:	Degradation half life (DT50): 375 d Method: OECD Test Guideline 111
Colecalciferol:		
Biodegradability	:	Result: Not readily biodegradable. Biodegradation: <= 7 % Exposure time: 28 d Method: OECD Test Guideline 301C



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12.3 Bi	paccumulative potential			
<u>Co</u>	mponents:			
Ale	endronate:			
	rtition coefficient: n- anol/water	: log Po	w: -1,73	
Co	lecalciferol:			
	rtition coefficient: n- anol/water	: log Po Metho		est Guideline 107
12.4 Mc	bility in soil			
No	data available			
12.5 Re	sults of PBT and vPvB a	ssessment		
Pro	oduct:			
As	sessment	to be e very pe	ither persist	xture contains no components considered tent, bioaccumulative and toxic (PBT), or d very bioaccumulative (vPvB) at levels of
12.6 Ot	her adverse effects			
Pro	oduct:			
En tial	docrine disrupting poten-	ered to REACI (EU) 2	have endo H Article 57	ture does not contain components consid- crine disrupting properties according to (f) or Commission Delegated regulation Commission Regulation (EU) 2018/605 at igher.
SECTI	ON 13: Disposal consid	derations		
	-			

13.1 Waste treatment methods

Contaminated packaging :	Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer. 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.
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SECTION 14: Transport information

14.1 UN number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good



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IMDG		: Not regulated	d as a dangerous good	
ΙΑΤΑ		: Not regulated	l as a dangerous good	
14.2 UN p	roper shipping name			
ADN		: Not regulated	d as a dangerous good	
ADR		: Not regulated	as a dangerous good	
RID		: Not regulated	as a dangerous good	
IMDG		: Not regulated	d as a dangerous good	
ΙΑΤΑ		: Not regulated	l as a dangerous good	
14.3 Trans	sport hazard class(es)		
ADN		: Not regulated	as a dangerous good	
ADR		: Not regulated	as a dangerous good	
RID		: Not regulated	d as a dangerous good	
IMDG		: Not regulated	d as a dangerous good	
ΙΑΤΑ		: Not regulated	Not regulated as a dangerous good	
14.4 Pack	ing group			
ADN		: Not regulated	as a dangerous good	
ADR		: Not regulated	d as a dangerous good	
RID		: Not regulated	d as a dangerous good	
IMDG		: Not regulated	d as a dangerous good	
ΙΑΤΑ	(Cargo)	: Not regulated	d as a dangerous good	
ΙΑΤΑ	(Passenger)	: Not regulated	d as a dangerous good	
14.5 Envir	onmental hazards			
Not re	egulated as a dangerou	is good		
•	ial precautions for us oplicable	ser		
	-	-	arpol and the IBC Code	
Rema	irks	: Not applicabl	e for product as supplied.	

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix-ture

The components of this product are reported in the following inventories:					
AICS	:	not determined			
DSL	:	not determined			
IECSC	:	not determined			

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	nical safety assessn Il Safety Assessment	hent has not been carried	out.
ECTION	16: Other information	ation	
Other	information		hanges have been made to the previous version d in the body of this document by two vertical
Full te	ext of H-Statements		
H300 H302 H310 H315 H318 H330 H335 H3610 H372 H373 H413	3	 Fatal if inhaled May cause res Suspected of d Causes dama exposure. May cause da exposure. 	llowed. ct with skin. ritation. is eye damage.
Full te	ext of other abbrevia	ations	
Eye D Repr. Skin I STOT STOT ZA OI	ic Chronic lam. rrit. RE SE	 Serious eye da Reproductive Skin irritation Specific target Specific target South Africa. Agents, Occup Occupational 	

Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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 - Interna-



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tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; 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

Further information

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

Classification of the mix	Classification procedure:	
Acute Tox. 4	H302	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Repr. 2	H361d	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method

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

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