according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2023/09/26
6.2	2024/04/06	22043-00023	Date of first issue: 2014/10/15

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Alendronate / Vitamin D Formulation						
Manufacturer or supplier's details								
Company	:	Organon & Co.						
Address	:	30 Hudson Street, 33nd floor Jersey City, New Jersey, U.S.A 07302						
Telephone	:	+1-551-430-6000						
Emergency telephone number	:	+1-215-631-6999						
E-mail address	:	EHSSTEWARD@organon.com						
Recommended use of the chemical and restrictions on use								
Recommended use Restrictions on use	:	Pharmaceutical Not applicable						

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance Colour Odour	:	powder off-white odourless		
Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respirat irritation. Suspected of damaging the unborn child. May cause damage to organs through pro longed or repeated exposure. Harmful to aquatic life.				
GHS Classification				
Acute toxicity (Oral)	:	Category 4		
Skin corrosion/irritation	:	Category 2		
Serious eye damage/eye irri- tation	:	Category 1		
Reproductive toxicity	:	Category 2		
Specific target organ toxicity - single exposure	:	Category 3		
Specific target organ toxicity - repeated exposure	:	Category 2		

according to GB/T 16483 and GB/T 17519



Version 6.2	Revision Date: 2024/04/06	SDS Number: 22043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
Short hazar	-term (acute) aquatic d	: Category 3	
	label elements rd pictograms		
Signa	al word	: Danger	v v
Haza	rd statements	H335 May cau H361d Suspec	skin irritation. serious eye damage. se respiratory irritation. ted of damaging the unborn child. se damage to organs through prolonged or re- re.
Preca	autionary statements	P202 Do not h and understoo P260 Do not b P264 Wash sk P270 Do not e P271 Use only P273 Avoid rel	reathe dust. in thoroughly after handling. at, drink or smoke when using this product. outdoors or in a well-ventilated area. ease to the environment. otective gloves/ protective clothing/ eye protec-
		CENTER/ doct P302 + P352 I P304 + P340 + and keep comf doctor if you fe P305 + P351 + water for sever and easy to do CENTER/ doct P308 + P313 I attention. P332 + P313 I tion.	• P338 + P310 IF IN EYES: Rinse cautiously with al minutes. Remove contact lenses, if present . Continue rinsing. Immediately call a POISON

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version 6.2 2024/04/06

Revision Date:

SDS Number: 22043-00023

Date of last issue: 2023/09/26 Date of first issue: 2014/10/15

Storage:

P405 Store locked up.

Disposal:

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

Physical and chemical hazards

Not classified based on available information.

Health hazards

Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Suspected of damaging the unborn child. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.

Environmental hazards

Harmful to aquatic life.

Other hazards which do not result in classification

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cellulose	9004-34-6	>= 30 -< 50
Alendronate	121268-17-5	>= 25 -< 30
Colecalciferol	67-97-0	>= 0.025 -< 0.1

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. 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.

according to GB/T 16483 and GB/T 17519



Version 6.2	Revision Date: 2024/04/06		0S Number: 043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
	important symptoms ffects, both acute and ed	:	Never give anyth Harmful if swallov Causes skin irrita Causes serious e May cause respin Suspected of dar May cause dama	oughly with water. ing by mouth to an unconscious person. wed. tion. aye damage.
Prote	ction of first-aiders	:	and use the reco	ers should pay attention to self-protection, mmended personal protective equipment al for exposure exists (see section 8).
Notes	s to physician	:		ically and supportively.
5. FIREFI	GHTING MEASURES			
	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (Dry chemical	
Unsu media	itable extinguishing	:	None known.	
Spec fightir	ific hazards during fire- ng	:	concentrations, a potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a plosion hazard. bustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	:	Carbon oxides Nitrogen oxides (Phosphorus com Metal oxides	
Spec ods	ific extinguishing meth-	:	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to d
	ial protective equipment efighters	:		e, wear self-contained breathing apparatus. tective equipment.

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version 6.2	Revision Date: 2024/04/06	SDS Number: 22043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
		cannot be cont	ained.
	ods and materials for inment and cleaning up	over the area to Add excess liquing Soak up with in Avoid dispersa with compresse Dust deposits areas es, as these main leased into the Clean up remain bent. Local or nation posal of this main employed in the mine which reg Sections 13 an	with absorbents and place a damp covering o minimise entry of the material into the air. uid to allow the material to enter into solution. hert absorbent material. I of dust in the air (i.e., clearing dust surfaces ed air). should not be allowed to accumulate on surfac- ay form an explosive mixture if they are re- atmosphere in sufficient concentration. ining materials from spill with suitable absor- al regulations may apply to releases and dis- aterial, as well as those materials and items e cleanup of releases. You will need to deter- gulations are applicable. d 15 of this SDS provide information regarding national requirements.

7. HANDLING AND STORAGE

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 assessment 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 respiratory 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.

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Versior 6.2	n Revision Date: 2024/04/06	SDS Number: 22043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
Av	voidance of contact	: Oxidizing age	nts
St	orage		
Co	onditions for safe storage	Store locked Keep tightly c Keep in a coc	losed. l, well-ventilated place.
M	aterials to avoid		dance with the particular national regulations. with the following product types: ng agents
Pa	ackaging material	: Unsuitable ma	aterial: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Cellulose	9004-34-6	PC-TWA	10 mg/m3	CN OEL
		TWA	10 mg/m3	ACGIH
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

design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compound 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 equipment

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 :	Particulates type
Eye/face 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. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces.

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version 6.2	Revision Date: 2024/04/06		S Number: 43-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
Hand	protection		Use appropriate c contaminated clot	legowning techniques to remove potentially hing.
Ma	aterial	:	Chemical-resistar	t gloves
	emarks ne measures	:	eye flushing syste ing place. When using do no Wash contaminat The effective oper engineering contra appropriate degov	mical is likely during typical use, provide oms and safety showers close to the work- ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, wning and decontamination procedures, monitoring, medical surveillance and the

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	off-white
Odour	:	odourless
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	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
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	:	Not applicable

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version 6.2	Revision Date: 2024/04/06		S Number: 043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
Rel	ative vapour density	:	Not applicable	
Rel	ative density	:	No data available	e
Dei	nsity	:	No data available	e
	ubility(ies) Water solubility	:	No data available	e
	tition coefficient: n- anol/water	:	Not applicable	
	o-ignition temperature	:	No data available	e
Dee	composition temperature	:	No data available	e
	cosity Viscosity, kinematic	:	Not applicable	
Exp	plosive properties	:	Not explosive	
Oxi	dizing properties	:	The substance o	r mixture is not classified as oxidizing.
	ticle characteristics ticle size	:	No data available	e

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Exposure routes	: Inhalation Skin contact Ingestion Eye contact
Acute toxicity	

Harmful if swallowed.

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version 6.2	Revision Date: 2024/04/06		DS Number: 043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
<u>Prod</u> Acute	<u>uct:</u> ∋ oral toxicity	:	Acute toxicity e Method: Calcu	estimate: 1,965 mg/kg lation method
<u>Com</u>	ponents:			
Cellu	llose:			
Acute	e oral toxicity	:	LD50 (Rat): >	5,000 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): > Exposure time Test atmosphe	:4 h
Acute	e dermal toxicity	:	LD50 (Rabbit):	: > 2,000 mg/kg
Alen	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
Cole	calciferol:			
Acute	e oral toxicity	:	LD50 (Rat, ma	ıle): 35 mg/kg
Acute	e inhalation toxicity	:	Acute toxicity e Exposure time Test atmosphe Method: Exper	ere: dust/mist
Acute	e dermal toxicity	:	Acute toxicity e Method: Exper	estimate: 50 mg/kg rt judgement
	corrosion/irritation			
<u>Com</u>	ponents:			
Alen	dronate:			
Spec Rema		:	Rabbit Severe skin irr	itation

Serious eye damage/eye irritation

Causes serious eye damage.

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Ale	nuroi		יט	onnulation	
Versi 6.2	ion	Revision Date: 2024/04/06		DS Number: 2043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
<u>(</u>	Compo	nents:			
/	Alendro	onate:			
	Species Result	5	:	Rabbit Severe irritation	
I	i vesuit		•	Severe initation	
(Coleca	ciferol:			
	Species Result	5	:	Rabbit	
г	Result		•	No eye irritation	
F	Respira	atory or skin sensit	isatio	on	
5	Skin se	ensitisation			
1	Not clas	sified based on avai	ilable	information.	
	-	atory sensitisation			
		sified based on avai	ilable	information.	
<u>(</u>	Compo	<u>nents:</u>			
	Alendro				
F	Remark	S	:	No data available	
(Colecal	ciferol:			
	Test Ty		:	Maurer optimisati	ion test
	Exposu Species	re routes	:	Skin contact Guinea pig	
	Result		:	negative	

Germ cell mutagenicity

Not classified based on available information.

Components:

Cellulose: Genotoxicity in vitro :	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
	Test Type: In vitro mammalian cell gene mutation test Result: negative
Genotoxicity in vivo :	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative
Alendronate: Genotoxicity in vitro :	Test Type: Alkaline elution assay

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version 6.2	Revision Date: 2024/04/06		Number: 3-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
			est system: ra esult: negativ	at hepatocytes /e
		Μ		cterial reverse mutation assay (AMES) vation: with and without metabolic activation ve
			est Type: In v esult: negativ	vitro mammalian cell gene mutation test ve
		Т		romosomal aberration Chinese hamster ovary cells cal
Ger	notoxicity in vivo	S	est Type: Chi pecies: Mous esult: negativ	
Col	ecalciferol:			
Ger	notoxicity in vitro	Μ	••	cterial reverse mutation assay (AMES) D Test Guideline 471 cal
		Μ	••	vitro mammalian cell gene mutation test D Test Guideline 476 /e
		Μ		romosome aberration test in vitro D Test Guideline 473 /e
Ger	notoxicity in vivo	cy S A M	/togenetic as pecies: Rat pplication Ro	ute: Ingestion D Test Guideline 474
		T S A	est Type: In v pecies: Rat	vivo mammalian alkaline comet assay ute: Ingestion
	m cell mutagenicity - essment		/eight of evide ell mutagen.	ence does not support classification as a germ

Carcinogenicity

Not classified based on available information.

according to GB/T 16483 and GB/T 17519



/ersion 5.2	Revision Date: 2024/04/06	SDS Number: 22043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
<u>Com</u>	ponents:		
Cellu	lose:		
	cation Route sure time	: Rat : Ingestion : 72 weeks : negative	
Alend	dronate:		
Speci Applic Expos	ies cation Route sure time et Organs	 Rat, male Oral 2 Years 1 mg/kg body 3.75 mg/kg b Thyroid The mechani mans. 	
Susp	oductive toxicity ected of damaging the ponents:	unborn child.	
Cellu			
	ts on fertility	Species: Rat	ne-generation reproduction toxicity study oute: Ingestion ive
Effect ment	ts on foetal develop-	Species: Rat	ertility/early embryonic development coute: Ingestion tive
Alend	dronate:		
Effect	ts on fertility	Application R Fertility: NOA	, male and female
Effect ment	ts on foetal develop-	Symptoms: R weight, Skele	, female oute: Oral cal Toxicity: LOAEL: 1 - 15 mg/kg body weight Reduced number of viable fetuses, Reduced body atal malformations yotoxic effects and adverse effects on the off-

according to GB/T 16483 and GB/T 17519



ersion 2	Revision Date: 2024/04/06	-	S Number:)43-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
			Test Type: De Species: Rab Application Ro	bit, female oute: Oral
			Result: No ad	al Toxicity: NOAEL: 40 mg/kg body weight verse effects
Repro sessn	oductive toxicity - As- nent	:	Some evidend animal experi	ce of adverse effects on development, based on ments.
	- single exposure cause respiratory irritat	ion.		
<u>Com</u>	oonents:			
	dronate: ssment	:	May cause re	spiratory irritation.
STOT	- repeated exposure	•		
			ough prolonged	d or repeated exposure.
<u>Com</u>	oonents:			
	dronate:			
-	et Organs ssment	:	Bone, Stomad May cause da exposure.	ch, Kidney amage to organs through prolonged or repeate
Colec	calciferol:			
	sure routes et Organs	:	Ingestion Kidney, Blood	l, Bone
Asses	ssment	:		duce significant health effects in animals at co 10 mg/kg bw or less.
Repe	ated dose toxicity			
<u>Com</u>	oonents:			
Cellu	lose:			
Speci NOAE		:	Rat >= 9,000 mg/l	K 0
Applic	cation Route sure time	:	Ingestion 90 Days	Ϋ́Υ
Alend	dronate:			
Speci		:	Rat	
NOAE LOAE		:	2.5 mg/kg > 2.5 mg/kg	
Applic	cation Route	:	Intravenous	

according to GB/T 16483 and GB/T 17519



Version 6.2	Revision Date: 2024/04/06	SDS Number: 22043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
	sure time et Organs	: 53 Weeks : Stomach	
Expo		: Dog : 0.01 mg/kg : Intravenous : 3 yr : Stomach, Bon	e, Kidney
Expo	EL	: Dog : 2 mg/kg : 4 mg/kg : Oral : 53 Weeks : Kidney	
Spec NOA LOAE Appli	EL EL cation Route sure time	: Rat : 0.06 mg/kg : 0.3 mg/kg : Ingestion : 90 Days : OECD Test Ge	uideline 408
Not c	ration toxicity lassified based on ava ponents:	ilable information.	
Alen	dronate: Ipplicable		
	rience with human e	xposure	
Alen Inhala Skin	contact contact	: Symptoms: Se : Symptoms: Se	spiratory tract irritation evere irritation, skin blistering evere irritation astrointestinal disturbance, musculoskeletal pain
12. ECOL	OGICAL INFORMATI	ON	
Com	oxicity ponents: Ilose:		
Toxic	ity to fish	: LC50 (Oryzias	latipes (Japanese medaka)): > 100 mg/l

according to GB/T 16483 and GB/T 17519



Version 6.2	Revision Date: 2024/04/06	-	0S Number: 043-00023	Date of last issue: 2023/09/26 Date of first issue: 2014/10/15
			Exposure time: 48 Remarks: Based o	3 h on data from similar materials
	Alendronate: Toxicity to fish		LC50 (Pimephale Exposure time: 96 Method: OECD To	
			LC50 (Oncorhync Exposure time: 96 Method: FDA 4.11	
	city to daphnia and other atic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicity to algae/aquatic plants		ErC50 (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
			NOEC (Pseudokin Exposure time: 72 Method: OECD Te	
Toxi icity)	city to fish (Chronic tox-)	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te	
			LOEC (Pimephale Exposure time: 32 Method: OECD Te	
aqua	city to daphnia and other atic invertebrates (Chron- xicity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD To	
Cole	ecalciferol:			
	city to fish	:	LL50 (Danio rerio Exposure time: 96 Method: OECD Te	
	city to daphnia and other atic invertebrates	:	EL50 (Daphnia m Exposure time: 48 Method: OECD Te	
Toxi plan	city to algae/aquatic ts	:	EL50 (Scenedesn 100 mg/l Exposure time: 96 Method: OECD To	

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2023/09/26
6.2	2024/04/06	22043-00023	Date of first issue: 2014/10/15

Persistence and degradability

	Components:		
	Cellulose: Biodegradability	:	Result: Readily biodegradable.
	Alendronate: 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
	Bioaccumulative potential		
	Components:		
	Alendronate: Partition coefficient: n- octanol/water	:	log Pow: -1.73
	Colecalciferol: Partition coefficient: n- octanol/water	:	log Pow: > 6.2 Method: OECD Test Guideline 107
	Mobility in soil No data available Other adverse effects No data available		
13. [DISPOSAL CONSIDERATION	S	
	Disposal methods Waste from residues	:	Do not dispose of waste into sewer. Dispose of in accordance with local regulations.

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.

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version 6.2 2024/04/06

Revision Date:

SDS Number: 22043-00023

Date of last issue: 2023/09/26 Date of first issue: 2014/10/15

14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name Class Subsidiary risk Packing group Labels Environmentally hazardous		Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable no
IATA-DGR UN/ID No. Proper shipping name Class Subsidiary risk Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)		Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
IMDG-Code UN number Proper shipping name Class Subsidiary risk Packing group	:	Not applicable Not applicable Not applicable Not applicable Not applicable

Marine pollutant : no Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

:

: Not applicable

Not applicable

Not applicable for product as supplied.

National Regulations

GB 6944/12268

Labels

EmS Code

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Marine pollutant	:	no

Special precautions for user

Not applicable

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2023/09/26
6.2	2024/04/06	22043-00023	Date of first issue: 2014/10/15

15. REGULATORY INFORMATION

National regulatory information Law on the Prevention and Control of Occupational Diseases Regulation on the Administration of Precursor Chemicals

Catalogue and Classification of Precursor Chemicals : Not listed

Yangtze River Protection Law

This product does not contain any dangerous chemicals prohibited for inland river transport.

The components of this product are reported in the following inventories:

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

16. OTHER INFORMATION

Revision Date :		2024/04/06		
Further information				
Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/		
Date format :		yyyy/mm/dd		
Full text of other abbreviation	ns			
ACGIH CN OEL	:	USA. ACGIH Threshold Limit Values (TLV) Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.		
ACGIH / TWA CN OEL / PC-TWA	:	8-hour, time-weighted average Permissible concentration - 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 Or-

according to GB/T 16483 and GB/T 17519



Alendronate / Vitamin D Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2023/09/26
6.2	2024/04/06	22043-00023	Date of first issue: 2014/10/15

ganisation 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

Disclaimer

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.

CN / EN