

Versio 3.0	n	Revision Date: 28.09.2024		S Number: 00918-00010	Date of last issue: 12.12.2023 Date of first issue: 03.06.2021	
SECT	SECTION 1. IDENTIFICATION					
Р	roduc	t identifier	:	Human Chorioni	c Gonadotropin Formulation (Veterinary)	
Other means of identification		:	Chorulon 1500 IU (A001419) Chorulon 5000 IU (A002377) CHORULON CHORIONIC GONADOTROPHIN 5000 IU (37225)			
Manufacturer or supplier's de			deta	ils		
С	Company		:	MSD		
Address		:		nto Soares, 530 aulo - Brazil CEP 12730-340		
Т	Telephone		:	908-740-4000		
E	Emergency telephone		:	1-908-423-6000		
E-mail address		:	EHSDATASTEW	/ARD@msd.com		
Recommended use of the ch		hem	ical and restriction	ons on use		
Recommended use Restrictions on use		:	Veterinary produ Not applicable	ct		

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

Reproductive toxicity	:	Category 1A
Specific target organ toxicity - repeated exposure	:	Category 1 (Ovary)

### GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H360Fd May damage fertility. Suspected of damaging the un- born child. H372 Causes damage to organs (Ovary) through prolonged or repeated exposure.



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Preca	utionary Statements	P260 Do not bre P264 Wash skir P270 Do not ea	n thoroughly after handling. t, drink or smoke when using this product. sective gloves/ protective clothing/ eye protec-
		<b>Response:</b> P308 + P313 IF attention.	exposed or concerned: Get medical advice/
		<b>Storage:</b> P405 Store lock	

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

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

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

Substance	/ Mixture	:	Mixture
Substance	iviixture		IVIIXture

#### Components

Chemical name	CAS-No.	Classification	Concentration (% w/w)
Gonadotropin, chorionic	9002-61-3	Repr., 1A STOT RE, (Ovary) , 1	>= 90 -<= 100

#### **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. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	



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Protection of first-aiders Notes to physician		:	exposure. Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. 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). Treat symptomatically and supportively.		
SEC	TION 5	. FIRE-FIGHTING ME	ASL	IRES	
:	Suitable extinguishing media		:	Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical	
	Unsuitable extinguishing media		:	None known.	
	Specific hazards during fire fighting		:	concentrations, and potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. oustion products may be a hazard to health.
	Hazardous combustion prod- ucts		:	Carbon oxides Nitrogen oxides (I Sulfur oxides	NOx)
	Specific extinguishing meth- ods		:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	Special protective equipment for fire-fighters		:		e, wear self-contained breathing apparatus. ective 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. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.	
Methods and materials for : containment and cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal.	



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		with compresse Dust deposits s surfaces, as the released into th Local or nationa disposal of this employed in the determine which Sections 13 and	of dust in the air (i.e., clearing dust surfaces ed air). hould not be allowed to accumulate on ese may form an explosive mixture if they are e atmosphere in sufficient concentration. al regulations may apply to releases and material, as well as those materials and items e cleanup of releases. You will need to h regulations are applicable. d 15 of this SDS provide information regarding national requirements.

## SECTION 7. HANDLING AND STORAGE

Technical measures	<ul> <li>Static electricity may accumulate and ignite suspended dust causing an explosion.</li> <li>Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.</li> </ul>
Local/Total ventilation	: If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	<ul> <li>Do not get on skin or clothing.</li> <li>Do not breathe dust.</li> <li>Do not swallow.</li> <li>Avoid contact with eyes.</li> <li>Wash skin thoroughly after handling.</li> <li>Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment</li> <li>Keep container tightly closed.</li> <li>Minimize dust generation and accumulation.</li> <li>Keep container closed when not in use.</li> <li>Keep away from heat and sources of ignition.</li> <li>Take precautionary measures against static discharges.</li> <li>Do not eat, drink or smoke when using this product.</li> <li>Take care to prevent spills, waste and minimize release to the environment.</li> </ul>
Hygiene measures	<ul> <li>If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.</li> <li>When using do not eat, drink or smoke.</li> <li>Wash contaminated clothing before re-use.</li> </ul>
Conditions for safe storage	<ul> <li>Keep in properly labeled containers.</li> <li>Store locked up.</li> <li>Keep tightly closed.</li> <li>Store in accordance with the particular national regulations.</li> </ul>
Materials to avoid	<ul> <li>Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases</li> </ul>



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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components		CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis		
			exposure)	concentration			
Gonadotropin, chorionic		9002-61-3	TWA	OEB 4 (3 µg/m3)	Internal		
			Wipe limit	25 µg/100 cm <sup>2</sup>	Internal		
Engineering measures	:	Apply measure Ensure that d dust collector designed in a work area (i.e	es to prevent du ust-handling sys s, vessels, and p manner to prev s., there is no lea	e concentrations. ust explosions. stems (such as exhau processing equipmen ent the escape of dus akage from the equipr ailable, use with loca	t) are st into the nent).		
Personal protective equipn	nent						
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	:	Particulates 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:					
Skin and body protection	:	Select appropresistance da potential. Skin contact r	Safety goggles 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	:	powder
Color	:	off-white
Odor	:	odorless
Odor Threshold	:	No data available



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	рН		:	No data available	9
	Melting	point/freezing point	:	No data available	9
	Initial be range	oiling point and boiling	:	No data available	
	Flash p	oint	:	Not applicable	
	Evapora	ation rate	:	No data available	)
	Flamma	ability (solid, gas)	:	May form explosi handling or other	ve dust-air mixture during processing, means.
	Flamma	ability (liquids)	:	No data available	)
		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	:	No data available	)
	Solubili Wate	ty(ies) er solubility	:	soluble	
	Partition octanol	n coefficient: n-	:	No data available	
		ition temperature	:	No data available	)
	Decom	position temperature	:	No data available	)
	Viscosit Visc	ty osity, kinematic	:	No data available	)
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	
	Particle Particle	characteristics size	:	No data available	

## SECTION 10. STABILITY AND REACTIVITY

Reactivity

: Not classified as a reactivity hazard.



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I	Chemical stability Possibility of hazardous reac- ions	:	handling or othe	ive dust-air mixture during processing,
l	Conditions to avoid ncompatible materials Hazardous decomposition products	: : :	Heat, flames and Avoid dust forma Oxidizing agents No hazardous de	ation.

#### SECTION 11. TOXICOLOGICAL INFORMATION

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

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### Respiratory sensitization

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

May damage fertility. Suspected of damaging the unborn child.

#### Components:

#### Gonadotropin, chorionic:

Effects on fertility	:	Test Type: Fertility Species: Rat Application Route: Intravenous injection Fertility: LOAEL: 8,89 mg/kg body weight Result: Effects on fertility.				
		Test Type: Fertility Application Route: Intraperitoneal injection Fertility: LOAEL: 0,883 mg/kg body weight				



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П			Result: Effects or	n fertility.
			Test Type: Fertilit Species: Monkey Fertility: LOAEL: Result: Effects or	0,224 mg/kg body weight
Effec	ts on fetal development	:	Species: Hamster Application Route	e: Intraperitoneal injection city.: LOAEL: 60 mg/kg body weight
Repro sessr	oductive toxicity - As- nent	:	fertility from huma	e of adverse effects on sexual function and an epidemiological studies., Some evidence s on development, based on animal
Not c STO	<b>F-single exposure</b> lassified based on availa <b>F-repeated exposure</b>			ad or reported evenerure
	ponents:	var	y) through proionge	ed or repeated exposure.
Targe	adotropin, chorionic: et Organs ssment	:	Ovary Causes damage exposure.	to organs through prolonged or repeated
-	ration toxicity lassified based on availa	able	information.	
Expe	rience with human exp	osi	ıre	
	ponents:			
<b>Gona</b> Inhala	adotropin, chorionic: ation	:		varies ts on menstruation, gynecomastia, Head- ression, Irritability, restlessness, Fatigue
SECTION	12. ECOLOGICAL INFO	OR	MATION	
	<b>oxicity</b> ata available			
	istence and degradabil	ity		

No data available

**Bioaccumulative potential** No data available



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	<b>lity in soil</b> ata available						
•	Other adverse effects No data available						
SECTION	SECTION 13. DISPOSAL CONSIDERATIONS						
Dispo	osal methods						
Waste	e from residues	•	e of waste into sewer. accordance with local regulations.				
Conta	aminated packaging	handling site for	ers should be taken to an approved waste or recycling or disposal. e 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 environmen mixture	tal regulations/legislatio	on specific for	the substance or
National List of Carcinogenic Age (LINACH)	ents for Humans - :	Not applicab	le
Brazil. List of chemicals controlle Police	d by the Federal :	Not applicab	le
The ingredients of this produc	t are reported in the follo	owing invento	ries:
AICS :	not determined		

DSL : not determined



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IECSC		:	not determined				
<b>SECTION 1</b>	SECTION 16. OTHER INFORMATION						
Revision Date Date format		:	28.09.2024 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 Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System



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