

Version 7.2	Revision Date: 22.02.2024		S Number: 5541-00021		sue: 30.09.2023 sue: 03.05.2016
Section <sup>-</sup>	1: Identification				
Proc	Product name		Human Gonadot lation	ropin Chorionic	/ Serum Gonadotropin Formu-
Othe	er means of identification	:			M GONADOTROPHIN (400 OTROPHIN (200 I.U.) (37234)
Man	ufacturer or supplier's c	letai	ls		
Com	npany	:	MSD		
Addı	ress	:	33 Whakatiki Stro Upper Hutt - Nev		g 908
Tele	phone	:	0800 800 543		
Eme	ergency telephone number	r:	0800 764 766 (08 CHEMCALL)	800 POISON)	0800 243 622 (0800
E-m	ail address	:	EHSDATASTEW	/ARD@msd.cor	m
Rec	ommended use of the cl	hem	ical and restriction	ons on use	
	ommended use trictions on use	:	Veterinary produ Not applicable	ct	

### Section 2: Hazard identification

GHS Classification Reproductive toxicity	:	Category 1
Specific target organ toxicity - repeated exposure (Oral)	:	Category 1 (Ovary)
GHS label elements 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 if swallowed.



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Precautionary statements : Prev

Prevention:

P201 Obtain special instructions before use.P264 Wash skin thoroughly after handling.P270 Do not eat, drink or smoke when using this product.P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

#### Storage:

P405 Store locked up.

#### **Disposal:**

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

#### 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

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Gonadotropin, pregnant mare serum	9002-70-4	>= 1 -< 10
Gonadotropin, chorionic	9002-61-3	>= 1 -< 10

#### Section 4: 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.
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.



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Most i	llowed mportant symptoms ffects, both acute and ed	<ul> <li>If swallowed, I Get medical a Rinse mouth t</li> <li>May damage f child. Causes dama exposure if swall</li> </ul>	horoughly with water. fertility. Suspected of damaging the unborn ge to organs through prolonged or repeated
	ction of first-aiders	Dust contact v : First Aid respondent and use the response when the pote	with the eyes can lead to mechanical irritation. onders should pay attention to self-protection, ecommended personal protective equipment intial for exposure exists (see section 8).
	to physician		natically and supportively.
Section 5:	Fire-fighting measure	S	
Unsuit	le extinguishing media table extinguishing	<ul> <li>Water spray</li> <li>Alcohol-resista</li> <li>Carbon dioxid</li> <li>Dry chemical</li> <li>None known.</li> </ul>	
media Specif fightin	fic hazards during fire-	concentrations potential dust	ing dust; fine dust dispersed in air in sufficient s, and in the presence of an ignition source is a explosion hazard. ombustion products may be a hazard to health.
Hazar ucts	dous combustion prod-	: Carbon oxides Nitrogen oxide Sulphur oxide Metal oxides Oxides of pho	es (NOx) s
ods	fic extinguishing meth-	cumstances a Use water spr Remove unda so. Evacuate area	ning measures that are appropriate to local cir- nd the surrounding environment. ay to cool unopened containers. maged containers from fire area if it is safe to do a. f fire, wear self-contained breathing apparatus.
	efighters		protective 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.



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		Retain and disp	leakage or spillage if safe to do so. bose of contaminated wash water. s should be advised if significant spillages ained.
	ods and materials for ainment and cleaning up	tainer for dispos Avoid dispersal with compresse Dust deposits s es, as these ma leased into the Local or nationa posal of this ma employed in the mine which reg Sections 13 and	of dust in the air (i.e., clearing dust surfaces
Section 7	: Handling and storage		
Tech	nical measures	causing an exp Provide adequa	ate precautions, such as electrical grounding
Loca	I/Total ventilation		r inert atmospheres. tilation is unavailable, use with local exhaust
Advid	ce on safe handling	: Do not get on s Do not breathe Do not swallow Avoid contact w Wash skin thor Handle in accor practice, based sessment Keep container Keep container Keep away fror Take precaution Do not eat, drin Take care to pr	dust. /ith eyes. oughly after handling. rdance with good industrial hygiene and safety on the results of the workplace exposure as-
Hygie	ene measures	flushing system place. When using do	hemical is likely during typical use, provide eye is and safety showers close to the working not eat, drink or smoke.
Conc	litions for safe storage		ated clothing before re-use. y labelled containers. ).



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Materi	ials to avoid		ance with the particular national regulations. th the following product types:

#### Section 8: Exposure controls/personal protection

Components with workplace control parameters					
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis	
Gonadotropin, pregnant mare serum	9002-70-4	TWA	4 µg/m3 (OEB 4)	Internal	
		Wipe limit	40 µg/100 cm2	Internal	
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 measu Ensure that of dust collector signed in a m work area (i.o	res to prevent du dust-handling sys rs, vessels, and p nanner to preven e., there is no lea	e concentrations. ust explosions. stems (such as exhau processing equipmen t the escape of dust i akage from the equipr vailable, use with loca	t) are de- nto the nent).	

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 Hand protection	:	Particulates type			
Material	:	Chemical-resistant gloves			
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.			
Eye protection	:	Wear the following personal protective equipment: Safety goggles			
Skin and body protection	:	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective			



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#### clothing (gloves, aprons, boots, etc).

Sectio	n 9: Physical and chemical	pro	operties
Ap	opearance	:	powder
Co	blour	:	white
Oc	dour	:	No data available
O	dour Threshold	:	No data available
p⊦	1	:	No data available
M	elting point/freezing point	:	No data available
	itial boiling point and boiling nge	:	No data available
Fla	ash point	:	Not applicable
E٧	vaporation rate	:	Not applicable
Fla	ammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Fla	ammability (liquids)	:	No data available
	oper explosion limit / Upper Immability limit	:	No data available
	ower explosion limit / Lower Immability limit	:	No data available
Va	apour pressure	:	Not applicable
Re	elative vapour density	:	Not applicable
Re	elative density	:	No data available
De	ensity	:	No data available
So	blubility(ies) Water solubility	:	No data available
	artition coefficient: n- :tanol/water	:	Not applicable
	uto-ignition temperature	:	No data available
De	ecomposition temperature	:	No data available



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Visco				
Vi	iscosity, dynamic	:	No data availal	ble
Vi	iscosity, kinematic	:	Not applicable	
Explo	osive properties	:	Not explosive	
Oxidi	zing properties	:	The substance	or mixture is not classified as oxidizing.
Mole	cular weight	:	No data availal	ble
Partio	cle size	:	No data availal	ble
ection 1	0: Stability and reactiv	/ity		
Read		:		as a reactivity hazard.
	nical stability	:		ormal conditions.
tions	ibility of hazardous reac		dling or other n	osive dust-air mixture during processing, har neans.
				strong oxidizing agents.
Conc	litions to avoid	:	Heat, flames a	
lasar	ww.atible.weatariala	-	Avoid dust forn	
	npatible materials	:	Oxidizing agen	its decomposition products are known.
produ		•		
ection 1	1: Toxicological inform	natio	on	
Expo	sure routes	:	Inhalation	
			Skin contact Ingestion	
			Eye contact	
Acut	e toxicity		-	
Not c	lassified based on avail	able	information.	
<u>Com</u>	ponents:			
	adotropin, pregnant m			/ //
Acute	e oral toxicity	:	LD50 (Mouse):	120 mg/kg
Acute	e inhalation toxicity	:	Remarks: No da	ata available
Acute	e dermal toxicity	:	Remarks: No da	ata available

Acute toxicity (other routes of : LD50 (Mouse): > 1,700 mg/kg administration) Application Route: Intravenous



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LD50 (Mouse): > 1,700 mg/kg Application Route: Subcutaneous

LD50 (Rat): 500 mg/kg Application Route: Intravenous

LD50 (Rat): 500 mg/kg Application Route: Subcutaneous

#### Skin corrosion/irritation

Not classified based on available information.

#### **Components:**

### Gonadotropin, pregnant mare serum:

Remarks : No data available

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

Gonadotropin, pregnant mare serum: Remarks : No data available

#### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Components:**

Gonadotropin, pregnant mare serum:Remarks: No data available

#### Chronic toxicity

#### Germ cell mutagenicity

Not classified based on available information.

#### **Components:**

#### Gonadotropin, pregnant mare serum:

Genotoxicity in vivo	: Test Type: Cytogenetic assay
	Species: Mouse
	Application Route: Intraperitoneal injection
	Result: positive



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				lassified due to data which are conclusive
			although insuffic	cient for classification.
	i <b>nogenicity</b> lassified based on avai	ilable	information.	
Com	ponents:			
Gona	adotropin, pregnant m	nare s	serum:	
Carci ment	nogenicity - Assess-	:	No data availab	le
Repr	oductive toxicity			
May o	damage fertility. Suspe	cted	of damaging the u	unborn child.
<u>Com</u>	ponents:			
Gona	adotropin, pregnant m	nare s	serum:	
Effect	ts on fertility	:	Fertility: LOAEL Result: Effects of Remarks: May of	te: Subcutaneous : 10 μg/kg
Effect ment	ts on foetal develop-	:		cause birth defects. rom similar materials
Repro sessr	oductive toxicity - As- nent	:	animal experime	of adverse effects on development, based on ents., Clear evidence of adverse effects on and fertility, based on animal experiments.
Gona	dotropin, chorionic:			
	ts on fertility	:	Species: Rat Application Rou	te: Intravenous injection : 8.89 mg/kg body weight
				te: Intraperitoneal injection : 0.883 mg/kg body weight
			Test Type: Ferti Species: Monke Fertility: LOAEL Result: Effects o	: 0.224 mg/kg body weight



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Effect ment	s on foetal develop-	:	Species: Hams Application Ro Embryo-foetal	ubryo-foetal development ster oute: Intraperitoneal injection toxicity: LOAEL: 60 mg/kg body weight o-foetal toxicity
Repro sessn	oductive toxicity - As- nent	:	fertility from hu	nce of adverse effects on sexual function and Iman epidemiological studies., Some evidence ects on development, based on animal experi-
sтот	- single exposure			
	assified based on avai	lable	information.	
STOT	- repeated exposure			
Cause	es damage to organs (	Ovar	y) through prolo	nged or repeated exposure if swallowed.
<u>Com</u>	oonents:			
Gona	dotropin, chorionic:			
	et Organs ssment	:	Ovary Causes damag exposure.	ge to organs through prolonged or repeated
Repe	ated dose toxicity			
<u>Comp</u>	oonents:			
Gona	dotropin, pregnant m	nare	serum:	
Speci NOAE	es	:	Rat 1.5 mg/kg Oral	

NOAEL Application Route Exposure time Symptoms	:	1.5 mg/kg Oral 3 Days No adverse effects
Species LOAEL Application Route Exposure time Target Organs		Rat 10 mg/kg Oral 14 Days Reproductive organs

#### Aspiration toxicity

Not classified based on available information.

#### Experience with human exposure

#### **Components:**

#### Gonadotropin, pregnant mare serum:

Inhalation : Symptoms: Headache, Fatigue, mood swings, altered mental



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Skin Inges	contact stion	:	Remarks: May pr	Allergic reactions, Effects on fertility oduce an allergic reaction. harmful if swallowed.
Gona	adotropin, chorionic:			
Inhal	ation	:		varies is on menstruation, gynecomastia, Head- ression, Irritability, restlessness, Fatigue

### Section 12: Ecological information

Ecotoxicity				
No data ava	ilable			
Persistence	e and degradabi	lity		
No data ava	ilable			
Bioaccumu	lative potential			
No data ava	ilable			
Mobility in	soil			
No data ava	ilable			
Other adve	rse effects			
No data ava	ilable			

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 han- dling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

#### Section 14: Transport information

### International Regulations

UNRTDG	
UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
IATA-DGR	
UN/ID No.	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable



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Subsidiary risk Packing group Labels Packing instruction (cargo aircraft)	:	Not applicable Not applicable Not applicable Not applicable
Packing instruction (passen- ger aircraft)	:	Not applicable
IMDG-Code		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
EmS Code	:	Not applicable
Marine pollutant	:	Not applicable

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

Not applicable for product as supplied.

#### National Regulations

NZS 5433		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Hazchem Code	:	Not applicable

#### Special precautions for user

Not applicable

Section 15: Regulatory information

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

#### **HSNO Approval Number**

HSR100759 Veterinary Medicines Non dispersive Open System Application Group Standard

#### **HSW Controls**

Certified handler certificate not required. Tracking hazardous substance not required. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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

AICS

: not determined



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DSL		:	not determined	
IECS	SC	:	not determined	
Section 1	6: Other information			
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Further information				
	ces of key data used to bile the Safety Data et	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/
Date	format	:	dd.mm.yyyy	

#### 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

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



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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.

NZ / EN