



Betamethasone Injection Formulation

Versio 3.5	n Revision Date: 2020/10/05		S Number: 67886-00009	Date of last issue: 2019/09/13 Date of first issue: 2017/02/12					
1. PR(1. PRODUCT AND COMPANY IDENTIFICATION								
Ρ	Product name		Betamethasone I	njection Formulation					
Manufacturer or supplier's details									
С	Company		Organon & Co.						
A	Address		30 Hudson Street, 33nd floor Jersey City, New Jersey, U.S.A 07302						
Т	elephone	:	551-430-6000						
E	Emergency telephone number		215-631-6999						
E	-mail address	:	EHSSTEWARD	Dorganon.com					
R	Recommended use of the chemical and restrictions on use								

: Pharmaceutical

2. HAZARDS IDENTIFICATION

Recommended use

Emergency Overview

Emergency Overview				
Appearance Colour Odour	:	liquid No data available No data available		
May damage the unborn child. sure. Very toxic to aquatic life v		uses damage to organs through prolonged or repeated expo-		
GHS Classification				
Reproductive toxicity	:	Category 1B		
Specific target organ toxicity - repeated exposure	:	Category 1		
Long-term (chronic) aquatic hazard	:	Category 1		
GHS label elements				
Hazard pictograms	:			
Signal word	:	Danger		
Hazard statements	:	H360D May damage the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.		

according to GB/T 16483 and GB/T 17519



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utionary statements	P202 Do not h and understoo P260 Do not b P264 Wash sk P270 Do not e P273 Avoid re	reathe mist or vapours. in thoroughly after handling. at, drink or smoke when using this product. lease to the environment. otective gloves/ protective clothing/ eye protec-
	Response: P308 + P313 I attention. P391 Collect s	F exposed or concerned: Get medical advice/ pillage.
	Storage: P405 Store loc	sked up.
	Disposal: P501 Dispose disposal plant.	of contents/ container to an approved waste
	ld. Causes damage to	o organs through prolonged or repeated expo-
	2020/10/05 nutionary statements ical and chemical haz assified based on avai h hazards	2020/10/05 1267886-00009 nutionary statements : Prevention: P201 Obtain s P202 Do not h and understoo P260 Do not b P264 Wash sk P270 Do not e P273 Avoid re P280 Wear pro tion/ face prote Response: P308 + P313 I attention. P391 Collect s Storage: P405 Store loc Disposal: P501 Dispose disposal plant. ical and chemical hazards assified based on available information. h hazards

Environmental hazards

Very toxic to aquatic life with long lasting effects.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

•		
Chemical name	CAS-No.	Concentration (% w/w)
betamethasone	378-44-9	>= 0.3 -< 1

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.

according to GB/T 16483 and GB/T 17519



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In cas	In case of skin contact		contact, immediately flush skin with soap and plenty contaminated clothing and shoes. cal attention. hing before reuse.				
In cas	se of eye contact	Thoroughly clean shoes before reuse. : Flush eyes with water as a precaution.					
lf swa	If swallowed		Get medical attention if irritation develops and persists.If swallowed, DO NOT induce vomiting.Get medical attention.				
Most	important symptoms		uth thoroughly with water. age the unborn child.				
	ffects, both acute and		amage to organs through prolonged or repeated				
	ction of first-aiders	: First Aid r and use t	esponders should pay attention to self-protection, ne recommended personal protective equipment potential for exposure exists (see section 8).				
Notes	to physician		ptomatically and supportively.				
5. FIREFIC	GHTING MEASURES						
Suitat	ble extinguishing media		esistant foam oxide (CO2)				
Unsui media	table extinguishing	: None kno					
	fic hazards during fire-	: Exposure	to combustion products may be a hazard to health.				
•	dous combustion prod-	: Carbon o	kides				
Speci ods	fic extinguishing meth-	cumstanc Use wate	guishing measures that are appropriate to local cir- es and the surrounding environment. r spray to cool unopened containers. undamaged containers from fire area if it is safe to do				
	al protective equipment	: In the eve	nt of fire, wear self-contained breathing apparatus. onal protective equipment.				

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 pro- tective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

according to GB/T 16483 and GB/T 17519



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	ds and materials for ment and cleaning up	For large spills, p ment to keep ma be pumped, stor Clean up remain bent. Local or national posal of this mat employed in the mine which regu Sections 13 and	rt absorbent material. provide dyking or other appropriate contain- terial from spreading. If dyked material can e recovered material in appropriate container. ing materials from spill with suitable absor- regulations may apply to releases and dis- erial, as well as those materials and items cleanup of releases. You will need to deter- lations are applicable. 15 of this SDS provide information regarding ational requirements.

7. HANDLING AND STORAGE

Handling

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
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 mist or vapours. Do not swallow. Avoid contact with 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. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
Avoidance of contact	:	Oxidizing agents
Storage		
Conditions for safe storage	:	Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents
Packaging material		I Insuitable material: None known

Packaging material : Unsuitable material: 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
betamethasone	378-44-9	TWA	1 µg/m3 (OEB 4)	Internal





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			Further information: Skin				
			\ \	Vipe limit	10 µg/100 cm ²	Internal	
Engineering measures		desig prote Esse Use If ha cabin tial e	 All engineering controls should be implemented by design and operated in accordance with GMP prin protect products, workers, and the environment. Essentially no open handling permitted. Use closed processing systems or containment ter If handled in a laboratory, use a properly designed cabinet, fume hood, or other containment device if tial exists for aerosolization. If this potential does r handle over lined trays or benchtops. 				
Pers	onal protective equip	ment					
Fi Eye/f Skin	iratory protection Iter type ace protection and body protection	sure omm : Parti : Wea If the mist Wea pote aero : Worl Addi task posa Use	assessmer lended guid culates type r safety glas work envir s or aerosol r a faceshie ntial for dire sols. c uniform or tional body being perfo ble suits) to	at demonstra lelines, use r esses with sid onment or a s, wear the a eld or other fu ect contact to garments sh rmed (e.g., so avoid expose degowning	ntilation is not availab tes exposures outside espiratory protection. le shields or goggles. ctivity involves dusty of appropriate goggles. ull face protection if th the face with dusts, n coat. ould be used based u sleevelets, apron, gau sed skin surfaces. techniques to remove	e the rec- conditions, ere is a nists, or upon the ntlets, dis-	
М	aterial	· Che	nical-resista	ant aloves			
Re	emarks ene measures	: Cons : If ex eye ing p Whe Was The engi appr indu	sider double bosure to ch ilushing sys lace. n using do n h contamina effective op neering con opriate deg strial hygien	e gloving. nemical is lik tems and sa not eat, drink ated clothing eration of a trols, proper owning and	before re-use. facility should include personal protective e decontamination proc g, medical surveillance	the work- review of quipment, edures,	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	No data available
Odour	:	No data available

according to GB/T 16483 and GB/T 17519



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Ode	our Threshold	:	No data available	
pН		:	No data available	
Me	ting point/freezing point	:	No data available	
Initi ran	al boiling point and boiling ge	:	No data available	
Fla	sh point	:	No data available	
Eva	poration rate	:	No data available	
Fla	mmability (solid, gas)	:	Not applicable	
Fla	nmability (liquids)	:	No data available	
	per explosion limit / Upper nmability limit	:	No data available	
	ver explosion limit / Lower nmability limit	:	No data available	
Vap	oour pressure	:	No data available	
Rel	ative vapour density	:	No data available	
Rel	ative density	:	No data available	
Der	nsity	:	No data available	
	ubility(ies) Water solubility	:	No data available	
	tition coefficient: n-	:	Not applicable	
	anol/water o-ignition temperature	:	No data available	
Dec	composition temperature	:	No data available	
	cosity Viscosity, kinematic	:	No data available	
Exp	losive properties	:	Not explosive	
Oxi	dizing properties	:	The substance or	mixture is not classified as oxidizing.
Par	ticle size	:	Not applicable	

10. STABILITY AND REACTIVITY

Reactivity

: Not classified as a reactivity hazard.

according to GB/T 16483 and GB/T 17519



ersio .5	n Revision 2020/10/0		DS Number: 267886-00009	Date of last issue: 2019/09/13 Date of first issue: 2017/02/12
P	hemical stability ossibility of haza	rdous reac-	Stable under no Can react with s	rmal conditions. trong oxidizing agents.
C In H	onditions to avoi compatible mate azardous decom roducts	erials :	None known. Oxidizing agent No hazardous d	s ecomposition products are known.
1. TO	XICOLOGICAL	INFORMATIO	N	
E	xposure routes	:	Inhalation Skin contact Ingestion Eye contact	
	cute toxicity			
	ot classified base	ed on available	information.	
	roduct: cute inhalation to	oxicity :	Acute toxicity est Exposure time: 4	h
			Test atmosphere Method: Calculat	
<u>C</u>	omponents:			
be	etamethasone:			
A	cute oral toxicity	:	LD50 (Rat): > 5,0	000 mg/kg
			LD50 (Mouse): >	4,500 mg/kg
A	cute inhalation to	oxicity :	LC50 (Rat): 0.4 r Exposure time: 4	
	kin corrosion/ir ot classified base		information	
	on classified basi	eu on avallable	e mormation.	
	etamethasone:			
	pecies		Rabbit	
	esult	:	Mild skin irritation	1
	erious eye dam ot classified bas	• •		
<u>C</u>	omponents:			
be	etamethasone:			
	pecies	:	Rabbit	
R	esult	:	No eye irritation	

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rsion	Revision Date: 2020/10/05		9S Number: 67886-00009	Date of last issue: 2019/09/13 Date of first issue: 2017/02/12
Resp	piratory or skin sensit	isatio	n	
	sensitisation	ilable	information.	
-	biratory sensitisation classified based on avai	ilable	information.	
<u>Com</u>	ponents:			
		:	Dermal Guinea pig Weak sensitizer	
Gern	n cell mutagenicity			
Not o	classified based on avai	ilable	information.	
<u>Com</u>	ponents:			
	methasone:			
Geno	otoxicity in vitro	:	Result: negative	erial reverse mutation assay (AMES)
			Test Type: In vit Result: negative	tro mammalian cell gene mutation test
			Test Type: Chro Result: positive	omosome aberration test in vitro
Geno	otoxicity in vivo	:	Test Type: Man cytogenetic ass Species: Mouse Application Rou Result: equivoca	e ite: Oral
	n cell mutagenicity - essment	:	Weight of evide cell mutagen.	nce does not support classification as a gern
	inogenicity classified based on avai	ilable	information.	
-	roductive toxicity damage the unborn chi	ld.		
<u>Com</u>	ponents:			
beta	methasone:			
Effec ment	ets on foetal develop- t	:	Developmental	te: Intramuscular Toxicity: LOAEL: 0.05 mg/kg body weight city, Malformations were observed.
			Species: Rat	

according to GB/T 16483 and GB/T 17519



ersion 5	Revision Date: 2020/10/05	SDS Number: 1267886-00009	Date of last issue: 2019/09/13 Date of first issue: 2017/02/12
		Developmenta	ute: Subcutaneous I Toxicity: LOAEL: 0.42 mg/kg body weight nations were observed.
		Developmenta	e ute: Intramuscular I Toxicity: LOAEL: 1 mg/kg body weight nations were observed.
Repro sessn	oductive toxicity - As- nent	: Clear evidence animal experim	e of adverse effects on development, based on nents.
	- single exposure		
Not cl	lassified based on avai	ilable information.	
	- repeated exposure		
	es damage to organs t	hrough prolonged or I	repeated exposure.
<u>Com</u> p	<u>ponents:</u>		
betan	nethasone:		
Targe	et Organs	: Pituitary gland, Adrenal gland	Immune system, muscle, thymus gland, Bloo
		Aurenai gianu	
Asses	ssment	: Causes damage exposure.	ge to organs through prolonged or repeated
	ssment ated dose toxicity		ge to organs through prolonged or repeated
Repe			ge to organs through prolonged or repeated
Repe <u>Com</u> r	ated dose toxicity		ge to organs through prolonged or repeated
Repe <u>Com</u> betan Speci	ated dose toxicity ponents: nethasone:	exposure.	ge to organs through prolonged or repeated
Repe <u>Com</u> betan Speci LOAE	ated dose toxicity <u>conents:</u> nethasone: es EL	exposure. : Rabbit : 0.05 %	ge to organs through prolonged or repeated
Reper Comp betan Speci LOAE Applic	ated dose toxicity ponents: nethasone: es EL cation Route	exposure.	e to organs through prolonged or repeated
Reper Comp betan Speci LOAE Applic Expos	ated dose toxicity <u>conents:</u> nethasone: es EL	exposure. Rabbit 0.05 % Skin contact 10 - 30 d	je to organs through prolonged or repeated , Immune system, muscle
Reper Comp betan Speci LOAE Applic Expos Targe	ated dose toxicity ponents: methasone: les EL cation Route sure time et Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland,	
Reperior Comp betan Speci LOAE Applic Expos Targe Speci LOAE	ated dose toxicity ponents: nethasone: les EL cation Route sure time et Organs es EL	exposure. Rabbit 0.05 % Skin contact 10 - 30 d	
Reperior Composition betan Speci LOAE Applic Expose Targe Speci LOAE Applic	ated dose toxicity ponents: methasone: les L cation Route sure time et Organs les L cation Route	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact	
Reperior Comp betan Specion LOAE Applicon Expose Targen Specion LOAE Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose Applicon Expose	ated dose toxicity ponents: methasone: es EL cation Route sure time et Organs es EL cation Route sure time	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact Skin contact 8 Weeks	
Reper Comp betan Speci LOAE Applic Expos Targe Speci LOAE Applic Expos Targe	ated dose toxicity ponents: methasone: es EL cation Route sure time et Organs es EL cation Route sure time et Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact 8 Weeks thymus gland	
Reperior Comp betan Speci LOAE Applic Expos Targe Speci LOAE Applic Expos Targe Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci Speci	ated dose toxicity ponents: methasone: es EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time est Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact 8 Weeks thymus gland Mouse	
Reperior Composition betam Specia LOAE Applica Expose Targe Specia LOAE Applica Expose Targe Specia LOAE Applica Expose Targe	ated dose toxicity ponents: methasone: les EL cation Route sure time et Organs les EL cation Route sure time et Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact 8 Weeks thymus gland Mouse 0.1 %	
Reper Comp betan Speci LOAE Applic Expos Targe Speci LOAE Applic Expos Targe Speci LOAE Applic Expos	ated dose toxicity ponents: methasone: les EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time et Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact 8 Weeks thymus gland Mouse 0.1 % Skin contact	
Repea Comp betan Speci LOAE Applic Expos Targe Speci LOAE Applic Expos Targe Speci LOAE Applic Expos	ated dose toxicity ponents: methasone: les EL cation Route sure time et Organs les EL cation Route sure time et Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact 8 Weeks thymus gland Mouse 0.1 %	
Reperior Detan Specion LOAE Applica Expose Targe Specion LOAE Applica Expose Targe Specion LOAE Applica Expose Targe Specion LOAE Applica Expose Targe Specion LOAE Applica Expose Targe Specion LOAE Applica Expose Targe Specion LOAE Applica Expose Targe Specion LOAE Applica Expose Targe	ated dose toxicity ponents: methasone: es EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time et Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact 8 Weeks thymus gland Mouse 0.1 % Skin contact 8 Weeks thymus gland	
Repea Comp betan Speci LOAE Applic Expos Targe Speci LOAE Applic Expos Targe Speci LOAE Applic Expos	ated dose toxicity ponents: methasone: es EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time et Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact 8 Weeks thymus gland Mouse 0.1 % Skin contact 8 Weeks thymus gland E Skin contact 8 Weeks thymus gland Dog	
Reper Comp betan Speci LOAE Applic Expos Targe Speci LOAE Applic Expos Targe Speci LOAE Applic Expos Targe	ated dose toxicity ponents: methasone: es EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time et Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact 8 Weeks thymus gland Mouse 0.1 % Skin contact 8 Weeks thymus gland	
Reper Comp betan Speci LOAE Applic Expos Targe Speci LOAE Applic Expos Targe Speci LOAE Applic Expos Targe	ated dose toxicity ponents: methasone: es EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time et Organs es EL cation Route sure time et Organs	exposure. Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Rat 0.05 % Skin contact 8 Weeks thymus gland Mouse 0.1 % Skin contact 8 Weeks thymus gland Dog 0.05 mg/kg Oral 28 d	

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Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

betamethasone:

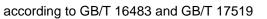
12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

betamethasone: Toxicity to daphnia and other	:	EC50 (Americamysis): > 50 mg/l
aquatic invertebrates		Exposure time: 96 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 34 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility
		NOEC (Pseudokirchneriella subcapitata (green algae)): 34 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility
Toxicity to fish (Chronic tox- icity)	:	NOEC (Pimephales promelas (fathead minnow)): 0.052 mg/l Exposure time: 32 d Method: OECD Test Guideline 210
		NOEC (Oryzias latipes (Japanese medaka)): 0.07 μg/l Exposure time: 219 d Method: OECD Test Guideline 229
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	:	1,000
Persistence and degradabili	ty	

No data available





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Bioad	cumulative potential			
Com	oonents:			
Partiti	nethasone: ion coefficient: n- ol/water	:	log Pow: 2.11	
	l ity in soil ata available			
	r adverse effects ata available			
13. DISPO	SAL CONSIDERATION	IS		
Dispo	osal methods			
Waste	e from residues aminated packaging	:	Empty containers dling site for recy	ordance with local regulations. s should be taken to an approved waste han- cling or disposal. pecified: Dispose of as unused product.
14. TRAN	SPORT INFORMATION			
Interr	national Regulations			
	FDG umber		UN 3082	
	er shipping name	:		ALLY HAZARDOUS SUBSTANCE, LIQUID,
Class			9)
		•	0	
	ng group	:	9	
Packi	ng group s	:	III	
Packi Label IATA UN/IE Prope	ng group s -DGR 9 No. er shipping name		III 9 UN 3082 Environmentally (betamethasone	nazardous substance, liquid, n.o.s.)
Packi Label IATA UN/IE Prope Class	ng group s -DGR 9 No. er shipping name	· · · · · · · · · · · · · · · · · · ·	III 9 UN 3082 Environmentally (betamethasone 9	
Packi Label IATA UN/IE Prope Class	ng group s - DGR 9 No. er shipping name ng group		III 9 UN 3082 Environmentally (betamethasone	
Packi Label IATA UN/IE Prope Class Packi Label Packi aircra	ng group s -DGR) No. er shipping name ng group s ng instruction (cargo ft)		III 9 UN 3082 Environmentally (betamethasone 9 III	
Packi Label IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai	ng group s -DGR D No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft)		III 9 UN 3082 Environmentally (betamethasone 9 III Miscellaneous	
Packi Label IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro	ng group s -DGR) No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous		III 9 UN 3082 Environmentally (betamethasone 9 III Miscellaneous 964	
Packi Label IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro	ng group s -DGR) No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous i-Code		III 9 UN 3082 Environmentally (betamethasone 9 III Miscellaneous 964 964 964 yes	
Packi Label IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro IMDG UN n	ng group s -DGR) No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous		III 9 UN 3082 Environmentally (betamethasone 9 III Miscellaneous 964 964 964 964 yes UN 3082 ENVIRONMENT, N.O.S.) ALLY HAZARDOUS SUBSTANCE, LIQUID,
Packi Label IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro IMDG UN n	ng group s -DGR D No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous i-Code umber er shipping name		III 9 UN 3082 Environmentally (betamethasone 9 III Miscellaneous 964 964 964 yes UN 3082 ENVIRONMENT.) ALLY HAZARDOUS SUBSTANCE, LIQUID,



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Labels EmS (Marine	-	: 9 : F-A, S-F : yes	
	port in bulk accordin	-	RPOL 73/78 and the IBC Code
Natio	nal Regulations		
UN nu	9 44/12268 Imber r shipping name	: UN 3082 : ENVIRONMEN N.O.S. (betamethaso	NTALLY HAZARDOUS SUBSTANCE, LIQUID,
Class Packii Labels	ng group S	: 9 : III : 9	
•	al precautions for us ansport classification(s		e for informational purposes only, and solely

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

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

16. OTHER INFORMATION

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 Agen- cy, http://echa.europa.eu/
Date format	:	yyyy/mm/dd

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



Betamethasone Injection Formulation

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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; 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.

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