

Version 5.1	Revision Date: 2023/09/30		S Number: 59290-00010	Date of last issue: 2023/04/04 Date of first issue: 2019/07/11
1. PRODU	CT AND COMPANY IDE	ENT	IFICATION	
Produ	ict name	:	Betamethasone	(0.05%) Liquid Formulation
Manu	facturer or supplier's d	etai	ils	
Comp	any	:	Organon & Co.	
Addre	SS	:	JL Raya Pandaa Pandaan, Jawa ⁻	n KM. 48 Timur - Indonesia
Telep	hone	:	+1-551-430-600	0
Emerg	gency telephone number	:	+1-215-631-6999	9
E-mai	laddress	:	EHSSTEWARD	@organon.com
Reco	mmended use of the ch	nem	ical and restriction	ons on use
	nmended use	:	Pharmaceutical	
Rostri	ctions on use	:	Not applicable	

2. HAZARDS IDENTIFICATION

GHS Classification		
Reproductive toxicity	:	Category 1B
Specific target organ toxicity - repeated exposure	:	Category 1 (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland)
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 (Pituitary gland, Immune sys- tem, muscle, thymus gland, Blood, Adrenal gland) through pro- longed or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention:



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		P202 Do not h and understoo P260 Do not b P264 Wash sk P270 Do not e P273 Avoid rel	d. reathe mist or vap in thoroughly after at, drink or smoke lease to the enviro btective gloves/ pr	ety precautions have been read rours. r handling. when using this product.		
		Response: P308 + P313 IF exposed or concerned: Get medical advic attention. P391 Collect spillage.				
		Storage: P405 Store loc	ked up.			
		Disposal:	of contents/ conta	iner to an approved waste		
	r hazards which do ı known.	not result in classifica	tion			
B. COMPO	OSITION/INFORMATI		3			
Subs	tance / Mixture	: Mixture				
Com	ponents					
Chen	nical name		CAS-No.	Concentration (% w/w)		
Ethar	nol#		64-17-5	< 10		
betar	nethasone		378-44-9	>= 0.025 -< 0.25		

Voluntarily-disclosed substance

4. FIRST AID MEASURES

General advice	vice immediately.	dent or if you feel unwell, seek medical ad- ersist or in all cases of doubt seek medical
If inhaled	If inhaled, remove Get medical attenti	
In case of skin contact	of water. Remove contamina Get medical attenti Wash clothing befo	
In case of eye contact	-	iter as a precaution. on if irritation develops and persists.



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If swa	allowed	:	Get medical atten	
	important symptoms effects, both acute and	:	May damage the Causes damage t	bughly with water. unborn child. o organs through prolonged or repeated
	ection of first-aiders	:	and use the recor	ers should pay attention to self-protection, nmended personal protective equipment I for exposure exists (see section 8).
Note	s to physician	:		cally and supportively.
5. FIREFI	GHTING MEASURES			
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical	
Unsu medi	uitable extinguishing a	:	None known.	
Spec fighti	ific hazards during fire-	:	Exposure to com	pustion products may be a hazard to health.
	ardous combustion prod-	:	Carbon oxides	
Spec ods	ific extinguishing meth-	:	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
•	ial protective equipment refighters	:		e, wear self-contained breathing apparatus. ective equipment.
6. ACCID	ENTAL RELEASE MEA	SUF	RES	
tive e	onal precautions, protec- equipment and emer- y procedures	:	: Use personal protective equipment. Follow safe handling advice (see section 7) and persona tective equipment recommendations (see section 8).	
Envir	ronmental precautions	:		he environment. akage 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.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.



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	posal of this n employed in tl mine which re Sections 13 a	nal regulations may apply to releases and dis- naterial, as well as those materials and items ne cleanup of releases. You will need to deter- gulations are applicable. nd 15 of this SDS provide information regarding r national requirements.
NG AND STORAGE		
ical measures		ing measures under EXPOSURE PERSONAL PROTECTION section.
Total ventilation	: If sufficient ve	ntilation is unavailable, use with local exhaust
e on safe handling	: Do not get on Do not breath Do not swallor Avoid contact Wash skin tho Handle in acc practice, base sessment Keep containe Do not eat, dr Take care to p	
tions for safe storage ials to avoid	 Keep in prope Store locked u Keep tightly cl Store in according Do not store v 	osed. dance with the particular national regulations. vith the following product types:
	2023/09/30 NG AND STORAGE ical measures Total ventilation e on safe handling tions for safe storage	2023/09/30 4659290-00010 Local or nation posal of this in employed in the mine which resections 13 a certain local or sections 10 context with the section of the sections for safe storage tions for safe storage : tions for safe storage :

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Ethanol	64-17-5	PSD	1,000 ppm	ID OEL
	Further information	ation: Confirmed	l animal carcinogen.	
		STEL	1,000 ppm	ACGIH
betamethasone	378-44-9	TWA	1 µg/m3 (OEB 4)	Internal
	Further information	ation: Skin		
		Wipe limit	10 µg/100 cm ²	Internal

Engineering measures

: All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Essentially no open handling permitted.



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		If handled in cabinet, fum tial exists for	processing systems or containment technologies. a laboratory, use a properly designed biosafety e hood, or other containment device if the poten- aerosolization. If this potential does not exist, lined trays or benchtops.
Pers	onal protective equip	nent	
Fi	iratory protection Iter type I protection	sure assessr ommended g	ocal exhaust ventilation is not available or expo- ment demonstrates exposures outside the rec- guidelines, use respiratory protection. articulates and organic vapour type
М	aterial	: Chemical-res	sistant gloves
	emarks protection	If the work en mists or aero Wear a faces	uble gloving. glasses with side shields or goggles. nvironment or activity involves dusty conditions, osols, wear the appropriate goggles. shield or other full face protection if there is a direct contact to the face with dusts, mists, or
Skin and body protection		: Work uniforn Additional bo task being po posable suits	n or laboratory coat. ody garments should be used based upon the erformed (e.g., sleevelets, apron, gauntlets, dis- s) to avoid exposed skin surfaces. iate degowning techniques to remove potentially d clothing.
Hygie	ene measures	: If exposure to eye flushing ing place. When using Wash contar The effective engineering appropriate o industrial hyg	o chemical is likely during typical use, provide systems and safety showers close to the work- do not eat, drink or smoke. minated clothing before re-use. e operation of a facility should include review of controls, proper personal protective equipment, degowning and decontamination procedures, giene monitoring, medical surveillance and the histrative controls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: No data available
Odour	: No data available
Odour Threshold	: No data available
рН	: No data available
Melting point/freezing point	: No data available



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	tial boiling point and boiling	:	No data available	9
Fla	ash point	:	No data available)
E٧	raporation rate	:	No data available)
Fla	ammability (solid, gas)	:	Not applicable	
Fla	ammability (liquids)	:	No data available)
	oper explosion limit / Upper mmability limit	:	No data available	
	wer explosion limit / Lower mmability limit	:	No data available)
Va	apour pressure	:	No data available)
Re	elative vapour density	:	No data available	9
Re	elative density	:	No data available)
De	ensity	:	No data available)
So	olubility(ies) Water solubility	:	No data available)
	artition coefficient: n- tanol/water	:	No data available)
	ito-ignition temperature	:	No data available	
De	ecomposition temperature	:	No data available	
Vi	scosity Viscosity, kinematic	:	No data available)
Ex	plosive properties	:	Not explosive	
O	kidizing properties	:	The substance of	r mixture is not classified as oxidizing.
M	plecular weight	:	No data available)
Pa	article size	:	Not applicable	

10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.	
Chemical stability	: Stable under normal conditions.	



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tions Cond Incom	ibility of hazardous reac- itions to avoid npatible materials rdous decomposition ucts	: : : :	None known. Oxidizing agen	strong oxidizing agents. Its decomposition products are known.		
1. TOXIC	OLOGICAL INFORMAT	101	N			
Inforn expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact			
	e toxicity					
	lassified based on availa	ble	information.			
Com	ponents:					
Ethar	-					
Acute	e oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401			
Acute	e inhalation toxicity	:	LC50 (Rat): 124.7 mg/l Exposure time: 4 h Test atmosphere: vapour			
betar	nethasone:					
Acute	e oral toxicity	:	LD50 (Rat): > 5	5,000 mg/kg		
			LD50 (Mouse):	> 4,500 mg/kg		
Acute	e inhalation toxicity	:	LC50 (Rat): 0.4 Exposure time:			
	corrosion/irritation lassified based on availa	ble	information.			
<u>Com</u>	ponents:					
Ethar	nol:					
Speci Metho Resu	od	:	Rabbit OECD Test Guideline 404 No skin irritation			
h etc.	nothagana					
Speci	nethasone:		Rabbit			

Serious eye damage/eye irritation

Not classified based on available information.



Components: Ethanol: Species : Result : Result : Method : OECD Test Guideline 405 betamethasone: Species : Species : Result : No eye irritation Respiratory or skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Ethanol: Test Type : Local lymph node assay (LLNA) Exposure routes : Species : Mouse Result : Species : Components: Mouse S		ision Date: 3/09/30		S Number: 59290-00010	Date of last issue: 2023/04/04 Date of first issue: 2019/07/11
Ethanol: Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 betamethasone: : OECD Test Guideline 405 Species : Rabbit Result : No eye irritation Respiratory or skin sensitisation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Ethanol: Ethanol: : Test Type : Exposure routes : Species : Mouse Result Result : Species : Germ cell mutagenicity Not classified based on available information. Components: Ethanol: Components: Exposure routes : Species : Germ cell mutagenicity Not classified based on available information. Components:					
Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 betamethasone: : OECD Test Guideline 405 Species : Rabbit Result : No eye irritation Respiratory or skin sensitisation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Respiratory sensitisation . Not classified based on available information. . Components: . Ethanol: . Test Type : Local lymph node assay (LLNA) Exposure routes : Skin contact Species : Mouse Result : negative betamethasone: . . Exposure routes : Dermal Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity . Not classified based o	mponent	<u>s:</u>			
Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 betamethasone: : OECD Test Guideline 405 Species : Rabbit Result : No eye irritation Skin sensitisation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Ethanol: Test Type : Local lymph node assay (LLNA) Exposure routes : Skin contact Species : Mouse Result : negative betamethasone: : Exposure routes Exposure routes : Dermal Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity Not classified based on available information. Components: : Ethanol: Ethanol: : Test Type: In vitro mammalian cell ge	anol:				
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Result : No eye irritation Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Ethanol: Test Type : Local lymph node assay (LLNA) Exposure routes : Skin contact Species : Mouse Result : negative betamethasone: : Exposure routes : Dermal Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity : Not classified based on available information. Components: : Ethanol: : Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (amethas	one:			
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Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Ethanol: Test Type : Local lymph node assay (LLNA) Exposure routes : Skin contact Species : Mouse Result : negative betamethasone: Exposure routes : Dermal Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity Not classified based on available information. Components: Ethanol: Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (spiratory	or skin sensi	tisatio	n	
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Not classified based on available information. Components: Ethanol: Test Type : Local lymph node assay (LLNA) Exposure routes : Skin contact Species : Mouse Result : negative betamethasone: : Exposure routes : Dermal Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity Not classified based on available information. Components: Ethanol: Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (classifie	d based on ava	ailable	information.	
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Test Type : Local lymph node assay (LLNA) Exposure routes : Skin contact Species : Mouse Result : negative betamethasone: : Exposure routes Exposure routes : Dermal Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity Not classified based on available information. Components: Ethanol: Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (
Exposure routes : Skin contact Species : Mouse Result : negative betamethasone: : Dermal Species : Dermal Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity Not classified based on available information. Components: : Ethanol: : Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (Local lymph nor	de assav (LENA)
Result : negative betamethasone: : Exposure routes : Dermal Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity . Not classified based on available information. . Components: . Ethanol: . Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (utes	:		
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Exposure routes : Dermal Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity . Weak sensitizer Not classified based on available information. . Components: . Ethanol: . Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (sult		:	negative	
Species : Guinea pig Result : Weak sensitizer Germ cell mutagenicity Not classified based on available information. Components: Ethanol: Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (amethas	one:			
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Not classified based on available information. Components: Ethanol: Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (Sult		-	VVeak sensitizer	
Components: Ethanol: Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (rm cell m	utagenicity			
Ethanol: Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (classifie	d based on ava	ailable	information.	
Genotoxicity in vitro : Test Type: In vitro mammalian cell gene muta Result: negative Test Type: Bacterial reverse mutation assay (mponent	<u>s:</u>			
Result: negative Test Type: Bacterial reverse mutation assay (anol:				
	notoxicity	in vitro	:		
Result: negative				Test Type: Bact	erial reverse mutation assay (AMES)
				Result: negative	9
Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ	notoxicity	in vivo	:		
Species: Mouse					
Application Route: Ingestion Result: equivocal					



rsion	Revision Date: 2023/09/30		OS Number: 59290-00010	Date of last issue: 2023/04/04 Date of first issue: 2019/07/11
Genot	oxicity in vitro	:	Test Type: Bacte Result: negative	erial reverse mutation assay (AMES)
			Test Type: In vitr Result: negative	o mammalian cell gene mutation test
			Test Type: Chro Result: positive	mosome aberration test in vitro
Genot	Genotoxicity in vivo		Test Type: Mammalian erythrocyte micronucleus test (in vi cytogenetic assay) Species: Mouse Application Route: Oral Result: equivocal	
	cell mutagenicity - sment	:	Weight of eviden cell mutagen.	ce does not support classification as a germ
	assified based on avai	labio		
Repro May d	oductive toxicity lamage the unborn chi			
Repro May d <u>Comp</u> Ethan	oductive toxicity lamage the unborn chi ponents:		Test Type: Two- Species: Mouse Application Rout	generation reproduction toxicity study e: Ingestion
Repro May d <u>Comp</u> Ethan Effects	oductive toxicity lamage the unborn chi ponents: nol: s on fertility		Test Type: Two- Species: Mouse	
Repro May d <u>Comp</u> Ethan Effects	oductive toxicity lamage the unborn chi ponents: nol:		Test Type: Two- Species: Mouse Application Rout Result: negative Species: Rabbit Application Rout Developmental T	e: Ingestion
Repro May d <u>Comp</u> Ethan Effects betam	oductive toxicity lamage the unborn chi ponents: nol: s on fertility		Test Type: Two- Species: Mouse Application Rout Result: negative Species: Rabbit Application Rout Developmental T Result: Fetotoxic Species: Rat Application Rout Developmental T	e: Ingestion e: Intramuscular oxicity: LOAEL: 0.05 mg/kg body weight ity, Malformations were observed.
Repro May d <u>Comp</u> Ethan Effects betam	oductive toxicity lamage the unborn chi ponents: nol: s on fertility		Test Type: Two- Species: Mouse Application Rout Result: negative Species: Rabbit Application Rout Developmental T Result: Fetotoxic Species: Rat Application Rout Developmental T Result: Malforma Species: Mouse Application Rout Developmental T	e: Ingestion e: Intramuscular oxicity: LOAEL: 0.05 mg/kg body weight ity, Malformations were observed. e: Subcutaneous oxicity: LOAEL: 0.42 mg/kg body weight ations were observed.



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STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Causes damage to organs (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland) through prolonged or repeated exposure.

Components:

betamethasone:

Target Organs	:	Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland
Assessment	:	Causes damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:

Ethanol:

Species:NOAEL:LOAEL:Application Route:Exposure time:	Rat 1,280 mg/kg 3,156 mg/kg Ingestion 90 Days
betamethasone:	
Species:LOAEL:Application Route:Exposure time:Target Organs:	Rabbit 0.05 % Skin contact 10 - 30 d Pituitary gland, Immune system, muscle
Species:LOAEL:Application Route:Exposure time:Target Organs:	Rat 0.05 % Skin contact 8 Weeks thymus gland
Species:LOAEL:Application Route:Exposure time:Target Organs:	Mouse 0.1 % Skin contact 8 Weeks thymus gland
Species:LOAEL:Application Route:Exposure time:Target Organs:	Dog 0.05 mg/kg Oral 28 d Blood, thymus gland, Adrenal gland



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-	ation toxicity			
	assified based on availa			
-	rience with human exp	051	lie	
	<u>oonents:</u> nethasone:			
Inhala		:	Target Organs: Symptoms: Red	Adrenal gland ness, pruritis, Irritation
2. ECOL	OGICAL INFORMATION	N		
Ecoto	oxicity			
	oonents:			
Ethar				
Toxic	ity to fish	:	LC50 (Pimephal Exposure time:	les promelas (fathead minnow)): > 1,000 mg/ 96 h
	ity to daphnia and other ic invertebrates	:	EC50 (Ceriodap Exposure time:	hnia (water flea)): > 1,000 mg/l 48 h
Toxici plants	ity to algae/aquatic	:	ErC50 (Chlorella Exposure time:	a vulgaris (Fresh water algae)): 275 mg/l 72 h
			EC10 (Chlorella Exposure time:	vulgaris (Fresh water algae)): 11.5 mg/l 72 h
aquat	ity to daphnia and other ic invertebrates (Chron-	:	NOEC (Daphnia Exposure time:	a magna (Water flea)): 9.6 mg/l 9 d
ic toxi Toxici	city) ity to microorganisms	:	EC50 (Pseudom Exposure time:	nonas putida): 6,500 mg/l 16 h
betan	nethasone:			
	ity to daphnia and other ic invertebrates	:	EC50 (Americar Exposure time:	nysis): > 50 mg/l 96 h
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: Method: OECD	irchneriella subcapitata (green algae)): > 34 72 h Test Guideline 201 xicity at the limit of solubility
			mg/l Exposure time: Method: OECD	kirchneriella subcapitata (green algae)): 34 72 h Test Guideline 201 xicity at the limit of solubility



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Toxic icity)	ity to fish (Chronic tox-	:	 NOEC (Pimephales promelas (fathead minnow)): 0.0 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			
	ity to daphnia and other tic invertebrates (Chron- icity)	:	NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211			
M-Fa toxici	ctor (Chronic aquatic ty)	:	1,000			
Persi	istence and degradabili	ity				
Com	ponents:					
Ethai Biode	nol: egradability	:	Result: Readily bi Biodegradation: 8 Exposure time: 20	34 %		
Bioad	ccumulative potential					
Com	ponents:					
	n ol: ion coefficient: n- ıol/water	:	log Pow: -0.35			
Partit	nethasone: ion coefficient: n- ıol/water	:	log Pow: 2.11			
	lity in soil ata available					
	r adverse effects ata available					
3. DISPC	SAL CONSIDERATION	S				
Dispo	osal 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.



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14. TRANSPORT INFORMATION

International Regulations

UNRTDG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (betamethasone)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (betamethasone)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passen- ger aircraft)	:	964
Environmentally hazardous	:	yes
IMDG-Code		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
		(betamethasone)
Class	:	9
Packing group	:	III
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes

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

Not applicable for product as supplied.

Special precautions for user

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

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



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	of Classification and L				5 • • • • • • • • • •
-	llation of the Minister o rdous to Health	of He	ealth No. 472 of	1996 on	the Safeguarding of Substances
Haza	rdous substances that n	nust	be registered	:	Not applicable
Gove stanc	-	. 74	of 2001 on the I	Managei	ment of Hazardous and Toxic Sul
Haza	rdous substances appro	oved	for use	:	Glycerine Ethanol
Prohi	bited substances			:	Not applicable
Restr	icted substances			:	Not applicable
Regu Mate	-	of Tr	ade No. 7 of 202	2 on Di	stribution and Control of Hazard
	of hazardous materials ol, Annex I	subj	ect to distribution	and :	Not applicable
	of hazardous materials ol, Annex II	subj	ect to distribution	and :	Not applicable
The c	components of this pro	oduc :	t are reported in not determined	n the fol	lowing inventories:
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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 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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