

0	Revision Date: 2021/04/09		S Number: 11208-00010	Date of last issue: 2020/10/10 Date of first issue: 2017/07/19
PRODU		ENT	IFICATION	
Cher	nical product name	:	Betamethasone	e Cream Formulation
Supp	olier's company name, a	addr	ess and phone	number
Com	pany name of supplier	:	Organon & Co.	
Addr	ess	:	30 Hudson Stre Jersey City, Ne	eet, 33nd floor w Jersey, U.S.A 07302
Telep	phone	:	551-430-6000	
E-ma	ail address	:	EHSSTEWARD	D@organon.com
Eme	rgency telephone number	r :	215-631-6999	
Reco	ommended use of the cl	hem	ical and restric	tions on use
Reco	ommended use	:	Pharmaceutica	I
	classification of chemi	-		
Repr	oductive toxicity	:	Category 1B	uitary dand Immune system muscle thym
Repr Spec		:	Category 1B	uitary gland, Immune system, muscle, thymu drenal gland)
Repr Spec repea	oductive toxicity ific target organ toxicity - ated exposure t-term (acute) aquatic	:	Category 1B Category 1 (Pit	
Repr Spec repea Shor haza	oductive toxicity ific target organ toxicity - ated exposure t-term (acute) aquatic rd -term (chronic) aquatic	:	Category 1B Category 1 (Pit gland, Blood, A	
Repr Spec repea Shor haza Long haza	oductive toxicity ific target organ toxicity - ated exposure t-term (acute) aquatic rd -term (chronic) aquatic rd Iabel elements	:	Category 1B Category 1 (Pit gland, Blood, A Category 3	
Repr Spec repea Shor haza Long haza	oductive toxicity ific target organ toxicity - ated exposure t-term (acute) aquatic rd -term (chronic) aquatic rd	:	Category 1B Category 1 (Pit gland, Blood, A Category 3	
Repr Spec repea Shor haza Long haza <b>GHS</b> Haza	oductive toxicity ific target organ toxicity - ated exposure t-term (acute) aquatic rd -term (chronic) aquatic rd Iabel elements	:	Category 1B Category 1 (Pit gland, Blood, A Category 3	
Repr Spec repea Shor haza Long haza GHS Haza Signa	oductive toxicity ific target organ toxicity - ated exposure t-term (acute) aquatic rd -term (chronic) aquatic rd <b>label elements</b> ard pictograms	:	Category 1B Category 1 (Pit gland, Blood, A Category 3 Category 1 Category 1 Category 1 H360D May da H372 Causes of tem, muscle, th longed or repeat H402 Harmful t	Adrenal gland)

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read



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		P270 Do not eat P273 Avoid relea	athe vapours. thoroughly after handling. t, drink or smoke when using this product. ase to the environment. ective gloves/ protective clothing/ eye protec-			
		<b>Response:</b> P308 + P313 IF attention. P391 Collect spi	exposed or concerned: Get medical advice/			
		<b>Storage:</b> P405 Store lock	ed up.			
		<b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.				
Other	hererde which de ne		<b>~</b> *			

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

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
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#### Components

Chemical name	CAS-No.	Concentration (% w/w)	ENCS No.
Petrolatum	8009-03-8	>= 10 - < 20	
Paraffin oil	8012-95-1	>= 2.5 - < 10	
Hexadecan-1-ol. Ethoxylated	9004-95-9	>= 1 - < 2.5	
4-Chloro-3-methylphenol	59-50-7	>= 0.1 - < 0.25	3-900
betamethasone	378-44-9	>= 0.025 - < 0.1	

#### 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.
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	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting.



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Most important symptoms and effects, both acute and delayed Protection of first-aiders Notes to physician		:	Get medical attention. Rinse mouth thoroughly with water. May damage the unborn child. Causes damage to organs through prolonged or repeate exposure. First Aid responders should pay attention to self-protect and use the recommended personal protective equipment when the potential for exposure exists (see section 8). Treat symptomatically and supportively.				
5. FIREFI	GHTING MEASURES						
Suita	ble extinguishing media	:	Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical				
Unsu media	itable extinguishing	:	None known.				
	ific hazards during fire-	:		n explosive mixtures with air. Soustion products may be a hazard to health.			
Haza ucts	rdous combustion prod-	:	Carbon oxides				
Spec ods	ific extinguishing meth-	:	cumstances and t Use water spray t Remove undamag	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 efighters	:	so. Evacuate area. In the event of fire Use personal prot	e, wear self-contained breathing apparatus. rective equipment.			
6. ACCIDI	ENTAL RELEASE MEAS	SUF	RES				
tive e	onal precautions, protec- quipment and emer- y procedures	:		ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).			
Envir	onmental precautions	:	Prevent spreading barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g. by containment or oil se of contaminated wash water. should be advised if significant spillages			
	ods and materials for inment and cleaning up	:	For large spills, pr ment to keep mate be pumped, store Clean up remaining bent. Local or national r	t absorbent material. rovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. ng materials from spill with suitable absor- regulations may apply to releases and dis- rial, as well as those materials and items			



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		mine which Sections 13	n the cleanup of releases. You will need to deter- regulations are applicable. and 15 of this SDS provide information regarding I or national requirements.
7. HANDL	ING AND STORAGE		
Hand	lling		
Tech	nical measures		ering measures under EXPOSURE S/PERSONAL PROTECTION section.
Local	/Total ventilation		ventilation is unavailable, use with local exhaust
Avoid	e on safe handling lance of contact ene measures	<ul> <li>Do not get a Do not brea Do not swa Avoid conta Wash skin t Handle in a practice, ba sessment Keep conta Do not eat, Take care t environmen</li> <li>Oxidizing ag</li> <li>If exposure flushing sys place. When using Wash conta The effectiv engineering appropriate industrial hys</li> </ul>	ct with eyes. horoughly after handling. ccordance with good industrial hygiene and safety sed on the results of the workplace exposure as- iner tightly closed. drink or smoke when using this product. o prevent spills, waste and minimize release to the t.
Stora	-		
	itions for safe storage rials to avoid	Store locke Keep tightly Store in acc Do not store	
Packa	aging material	: Unsuitable	material: None known.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Threshold limit value and permissible exposure limits for each component in the work environment

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
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rsion )	Revision Date: 2021/04/09	SDS Number: 1841208-00010		t issue: 2020/10/10 t issue: 2017/07/19					
Petrol	latum	8009-03-8	OEL-M (Mist)	3 mg/m3	JP OEL JSOH				
			Further information: Substance whose OEL is set based or carcinogenic health effects. See III, Group 1: carcinogenic mans						
			TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH				
Paraff	fin oil	8012-95-1	OEL-M (Mist)	3 mg/m3	JP OEL JSOH				
		Further infor	mation: Group 1: c	arcinogenic to huma					
			TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH				
betam	nethasone	378-44-9	TWA	1 µg/m3 (OEB 4)	Internal				
		Further infor							
			Wipe limit	10 µg/100 cm <sup>2</sup>	Internal				
Doror	onal protective equipr	tial exists fo handle over		containment device i this potential does r chtops.					
				ulation is not suchable					
Respiratory protection : Filter type : Hand protection		sure assess ommended	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Combined particulates and organic vapour type						
Ma	aterial	: Chemical-re	esistant gloves						
	emarks rotection	: Wear safety If the work e mists or aer Wear a face	environment or act osols, wear the ap eshield or other ful	shields or goggles. ivity involves dusty oppropriate goggles. I face protection if th he face with dusts, r	ere is a				
Skin a	and body protection	: Work unifor Additional b task being p posable suit Use approp	Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.						

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

: cream



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	<b>.</b> .				
	Colour		:	No data available	
	Odour		:	No data available	
	Odour 7	Fhreshold	:	No data available	
	Melting	point/freezing point	:	No data available	
		point, initial boiling nd boiling range	:	No data available	
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	Not applicable	
	Upper e	explosion limit and uppe explosion limit / Upper bility limit			
		explosion limit / Lower bility limit	:	No data available	
	Flash p	oint	:	> 93.3 °C	
	Decom	position temperature	:	No data available	
	рН		:	5	
	Evapora	ation rate	:	No data available	,
	Auto-igi	nition temperature	:	No data available	•
	Viscosit Visc	ty osity, kinematic	:	No data available	
	Solubili Wate	ty(ies) er solubility	:	No data available	
	Partition octanol	n coefficient: n- /water	:	Not applicable	
	Vapour	pressure	:	No data available	
		and / or relative density	у :	No data available	
	Density		:	No data available	
	Relative	e vapour density	:	No data available	
	Explosi	ve properties	:	Not explosive	



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Oxidizing	properties	:	The substance of	mixture is not classified as oxidizing.
Particle o Particle s	characteristics size	:	Not applicable	
10. STABILIT	Y AND REACTIVITY	,		
Reactivit Chemica Possibilit tions		:	Stable under nor Vapours may for	a reactivity hazard. mal conditions. m explosive mixture with air. rong oxidizing agents.
Incompa	ns to avoid tible materials us decomposition	:	None known. Oxidizing agents No hazardous de	composition products are known.
11. TOXICOL	OGICAL INFORMAT	ION	l	
Informati exposure	on on likely routes of	:	Inhalation Skin contact Ingestion Eye contact	
Acute to Not class <u>Compon</u>	sified based on availa	ble i	information.	
Petrolati Acute ora	u <b>m:</b> al toxicity	:	LD50 (Rat): > 5,00 Method: OECD Te Remarks: Based o	
Acute de	rmal toxicity	:	toxicity	
Paraffin	oil:			
Acute or	al toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
Acute de	rmal toxicity	:	LD50 (Rabbit): > 2 Assessment: The toxicity	2,000 mg/kg substance or mixture has no acute dermal
UL.	an-1-ol. Ethoxylated	:		
Acute or	al toxicity	:	LD50 (Rat): 2,500	mg/kg
4-Chloro Acute ora	<b>-3-methylphenol:</b> al toxicity	:	LD50 (Mouse): 60	0 mg/kg

## SAFETY DATA SHEET



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Acute	e inhalation toxicity	:	LC50 (Rat): > 2.8 Exposure time: 4 Test atmosphere:	h
Acute	e dermal toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
betar	methasone:			
Acute	e oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
			LD50 (Mouse): >	4,500 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): 0.4 m Exposure time: 4	
	corrosion/irritation	able	information.	
Com	ponents:			
Petro Spec Metho Resu Rema	od Ilt	:	Rabbit OECD Test Guide No skin irritation Based on data fro	eline 404 m similar materials
Parat Spec Resu		:	Rabbit No skin irritation	
4-Ch	loro-3-methylphenol:			
Spec Meth Resu	od	:	Rabbit OECD Test Guide Corrosive after 1 t	eline 404 to 4 hours of exposure
betar	methasone:			
Spec Resu	ies	:	Rabbit Mild skin irritation	
	bus eye damage/eye irr classified based on availa			
Com	ponents:			
Petro Spec Resu Metho Rema	ılt od	:	Rabbit No eye irritation OECD Test Guide Based on data fro	eline 405 m similar materials



ersion 0	Revision Date: 2021/04/09	SDS Number: 1841208-00010	Date of last issue: 2020/10/10 Date of first issue: 2017/07/19
Paraf	fin oil:		
Speci		: Rabbit	
Resul		: No eye irritatio	n
		. No byo imatio	
Hexa	decan-1-ol. Ethoxy	lated:	
Resul	t		s, reversing within 21 days
Rema	ırks	: Based on data	from similar materials
4-Chl	oro-3-methylphenc	bl:	
Speci		: Rabbit	
Resul		: Irreversible effe	ects on the eve
Metho		: OECD Test Gu	
п			
<b>U</b> L	nethasone:	. Dobbit	
Speci Resul		: Rabbit : No eye irritatio	n
Resp	iratory or skin sens	Sitisation	
Skin	sensitisation		
Skin s Not cl	sensitisation assified based on av	vailable information.	
Skin s Not cl Resp	sensitisation	vailable information. <b>n</b>	
Skin s Not cl Resp Not cl	sensitisation assified based on av iratory sensitisatio	vailable information. <b>n</b>	
Skin s Not cl Resp Not cl <u>Com</u>	sensitisation assified based on av iratory sensitisatio assified based on av	vailable information. <b>n</b>	
Skin s Not cl Resp Not cl <u>Comp</u>	sensitisation assified based on av iratory sensitisatio assified based on av ponents: latum:	vailable information. <b>n</b>	
Skin s Not cl Resp Not cl <u>Comp</u> Petro	sensitisation assified based on av iratory sensitisatio assified based on av ponents: latum:	vailable information. <b>n</b> vailable information.	
Skin s Not cl Resp Not cl <u>Comp</u> Petro	sensitisation assified based on av iratory sensitisatio assified based on av ponents: latum: Type sure routes	vailable information. <b>n</b> vailable information. : Buehler Test	
Skin s Not cl Resp Not cl Comp Petro Test T Expos Speci Resul	sensitisation assified based on av iratory sensitisatio assified based on av <u>conents:</u> latum: Type sure routes es	vailable information. n vailable information. : Buehler Test : Skin contact	
Skin s Not cl Resp Not cl Comp Petro Test T Expos Speci	sensitisation assified based on av iratory sensitisatio assified based on av <u>conents:</u> latum: Type sure routes es	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative	from similar materials
Skin s Not cl Resp Not cl Comp Petro Test T Expos Speci Resul Rema	sensitisation assified based on av iratory sensitisatio assified based on av <u>conents:</u> latum: Type sure routes es t irks	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative : Based on data	from similar materials
Skin s Not cl Resp Not cl Comr Petro Test T Expos Speci Resul Rema	sensitisation assified based on av iratory sensitisatio assified based on av oonents: latum: Type sure routes es t t urks	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative : Based on data	
Skin s Not cl Resp Not cl Comr Petro Expos Speci Resul Rema Rema	sensitisation assified based on av iratory sensitisatio assified based on av <u>ponents:</u> latum: Type sure routes es t t irks	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative : Based on data pl: : Maximisation T	
Skin s Not cl Resp Not cl Comr Petro Expos Speci Resul Rema Rema	sensitisation assified based on av iratory sensitisatio assified based on av <u>ponents:</u> latum: Type sure routes es t t irks oro-3-methylpheno Type sure routes	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative : Based on data	
Skin s Not cl Resp Not cl Comp Petro Test T Expos Speci Resul Rema	sensitisation assified based on av iratory sensitisatio assified based on av <u>conents:</u> latum: Type sure routes es t irks oro-3-methylpheno Type sure routes es	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative : Based on data ol: : Maximisation T : Skin contact : Guinea pig	-est
Skin s Not cl Resp Not cl Com Petro Test T Expos Speci Resul Rema	sensitisation assified based on av iratory sensitisatio assified based on av <u>conents:</u> latum: Type sure routes es t irks oro-3-methylpheno Type sure routes es	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative : Based on data ol: : Maximisation T : Skin contact : Guinea pig	est evidence of low to moderate skin sensitisation
Skin s Not cl Resp Not cl Comp Petro Test T Expos Speci Resul Rema U 4-ChI Expos Speci	sensitisation assified based on av iratory sensitisatio assified based on av <u>conents:</u> latum: Type sure routes es t irks oro-3-methylpheno Type sure routes es	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative : Based on data ol: : Maximisation T : Skin contact : Guinea pig : Probability or e	est evidence of low to moderate skin sensitisation
Skin s Not cl Respi Not cl Comp Petro Test T Expos Speci Resul Rema 4-ChI Test T Expos Speci Resul Rema	sensitisation assified based on av iratory sensitisatio assified based on av oonents: latum: Type sure routes es t wrks oro-3-methylpheno Type sure routes es ssment	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative : Based on data ol: : Maximisation T : Skin contact : Guinea pig : Probability or e	est evidence of low to moderate skin sensitisation
Skin s Not cl Respi Not cl Comp Petro Test T Expos Speci Resul Rema 4-ChI Test T Expos Speci Resul Rema	sensitisation assified based on av iratory sensitisatio assified based on av oonents: latum: Type sure routes es t urks oro-3-methylpheno Type sure routes es es ssment methasone: sure routes	vailable information. n vailable information. : Buehler Test : Skin contact : Guinea pig : negative : Based on data ol: : Maximisation T : Skin contact : Guinea pig : Probability or e rate in humans	est evidence of low to moderate skin sensitisation

Not classified based on available information.



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<u>Comp</u>	oonents:		
Petro	latum:		
Genot	toxicity in vitro	Result: nega	Chromosome aberration test in vitro ative ased on data from similar materials
Genot	toxicity in vivo	cytogenetic Species: Mo Application F Method: OE Result: nega	use Route: Intraperitoneal injection CD Test Guideline 474
∬4-Chl	oro-3-methylphenol	:	
Genot	toxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ative
betan	nethasone:		
Genot	toxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ttive
		Test Type: lı Result: nega	n vitro mammalian cell gene mutation test ative
		Test Type: C Result: posit	Chromosome aberration test in vitro
Genot	toxicity in vivo	: Test Type: N cytogenetic Species: Mo Application F Result: equiv	use Route: Oral
Germ Asses	cell mutagenicity -	: Weight of ev cell mutager	idence does not support classification as a gerr

### Carcinogenicity

Not classified based on available information.

### Components:

Petrolatum:		
Species	:	Rat
Application Route	:	Ingestion
Exposure time	:	2 Years
Result	:	negative

### Reproductive toxicity

May damage the unborn child.



rsion	Revision Date: 2021/04/09	SDS Number: 1841208-00010	Date of last issue: 2020/10/10 Date of first issue: 2017/07/19
Comp	oonents:		
Petro	latum:		
Effect	s on fertility	test Species: Rat Application R Result: negat	eproduction/Developmental toxicity screening oute: Ingestion ive sed on data from similar materials
Effect: ment	s on foetal develop-	Species: Rat Application R Result: negat	mbryo-foetal development oute: Skin contact ive sed on data from similar materials
4-Chl	oro-3-methylphenol:		
Effect	s on fertility	Species: Rat	ne-generation reproduction toxicity study oute: Ingestion ive
Effect: ment	s on foetal develop-	test Species: Rat	eproduction/Developmental toxicity screening oute: Ingestion ive
betam	nethasone:		
UL.	s on foetal develop-	Development	bit oute: Intramuscular al Toxicity: LOAEL: 0.05 mg/kg body weight oxicity, Malformations were observed.
		Development	oute: Subcutaneous al Toxicity: LOAEL: 0.42 mg/kg body weight rmations were observed.
		Development	ise oute: Intramuscular al Toxicity: LOAEL: 1 mg/kg body weight rmations were observed.
Repro sessm	ductive toxicity - As- nent	: Clear evidend animal experi	ce of adverse effects on development, based of ments.

### STOT - single exposure

Not classified based on available information.



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<u>Com</u>	oonents:		
4-Ch	oro-3-methylphenol		
<b></b>			
Asses	ssment	: May cause	e respiratory irritation.
STOT	- repeated exposur	e	
	es damage to organs gland) through prolon		nmune system, muscle, thymus gland, Blood, Ad- xposure.
Com	oonents:		
betan	nethasone:		
Targe	t Organs	: Pituitary g Adrenal gl	and, Immune system, muscle, thymus gland, Blood,
Asses	ssment		image to organs through prolonged or repeated
Repe	ated dose toxicity		
<u>Com</u>	oonents:		
Petro	latum:		
Speci	es	: Rat	
NOAE		: 5,000 mg/	<g< td=""></g<>
	cation Route	: Ingestion	
Expos	sure time	: 2 yr	
Paraf	fin oil:		
Speci	es	: Rat, femal	e
LÒAE		: 161 mg/kg	
	cation Route	: Ingestion	
Expos	sure time	: 90 Days	
4-Chl	oro-3-methylphenol	:	
Speci	•••	: Rat	
NOAE		: 200 mg/kg	
LOAE	E	: 400 mg/kg	
Applic	cation Route	: Ingestion	
Expos	sure time	: 28 Days	
betar	nethasone:		
Speci	es	: Rabbit	
LOAE		: 0.05 %	
	cation Route	: Skin conta	ct
	sure time	: 10 - 30 d	
Targe	et Organs	: Pituitary g	and, Immune system, muscle
Speci	es	: Rat	
LÒAE	E	: 0.05 %	
	cation Route	: Skin conta	ct
	sure time	: 8 Weeks	
Targe	et Organs	: thymus gla	and



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Expo		: : : :	Mouse 0.1 % Skin contact 8 Weeks thymus gland	
Expo			Dog 0.05 mg/kg Oral 28 d Blood, thymus g	land, Adrenal gland

#### Aspiration toxicity

Not classified based on available information.

#### Components:

#### Paraffin oil:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### Experience with human exposure

Components:	
betamethasone:	
Inhalation :	Target Organs: Adrenal gland
Skin contact :	Symptoms: Redness, pruritis, Irritation

#### **12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

#### Components:

I	Petrolatum:		
	Toxicity to fish	:	LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 203 Remarks: Based on data from similar materials
	Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials
	Toxicity to algae/aquatic plants	:	NOEL (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction



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				Test Guideline 201 d on data from similar materials
	ity to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: Test substance	a magna (Water flea)): 10 mg/l 21 d :: Water Accommodated Fraction ed on data from similar materials
   Paraf	fin oil:			
LL.	ity to fish	:	Exposure time: Test substance	almus maximus (turbot)): > 100 mg/l 96 h :: Water Accommodated Fraction ed on data from similar materials
	ity to daphnia and other ic invertebrates	:	Exposure time: Test substance	onsa): > 100 mg/l 48 h e: Water Accommodated Fraction ed on data from similar materials
Toxici plants	ity to algae/aquatic	:	Exposure time: Test substance	nema costatum (marine diatom)): > 100 mg/l 72 h e: Water Accommodated Fraction ed on data from similar materials
			Exposure time: Test substance	tonema costatum (marine diatom)): > 1 mg/l 72 h e: Water Accommodated Fraction ed on data from similar materials
Hexa	decan-1-ol. Ethoxylate	d:		
	ity to fish	:	LC50: > 1 - 10 Exposure time: Remarks: Base	
	ity to daphnia and other ic invertebrates	:	Exposure time:	
Toxici plants	ity to algae/aquatic	:	EC50: > 10 - 10 Exposure time: Remarks: Base	
4-Chl	oro-3-methylphenol:			
	ity to fish	:	LC50 (Oncorhy Exposure time:	nchus mykiss (rainbow trout)): 917 μg/l 96 h
	ity to daphnia and other ic invertebrates	:	Exposure time:	n magna (Water flea)): 1.5 mg/l 48 h 9 Test Guideline 202
11				la pyrenoidosa (aglae)): 15 mg/l



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			EC10 (Chlorella p Exposure time: 72 Method: OECD T	
M-Fac <sup>-</sup> icity)	tor (Acute aquatic tox-	:	1	
	y to fish (Chronic tox-	:	Exposure time: 28	ichus mykiss (rainbow trout)): 0.15 mg/l 3 d est Guideline 204
	c invertebrates (Chron-	:	NOEC (Daphnia i Exposure time: 2 <sup>·</sup> Method: OECD T	
Toxicit	y to microorganisms	:	EC50: 22.86 mg/l Exposure time: 60	
betam	ethasone:			
	y to daphnia and other c invertebrates	:	EC50 (Americam Exposure time: 96	
Toxicit plants	y to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD T	
			mg/l Exposure time: 72 Method: OECD T	
Toxicit icity)	y to fish (Chronic tox-	:	Exposure time: 32	es promelas (fathead minnow)): 0.052 mg 2 d est Guideline 210
			Exposure time: 2	atipes (Japanese medaka)): 0.07 μg/l 19 d est Guideline 229
	y to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia i Exposure time: 2 Method: OECD T	
M-Factor toxicity	tor (Chronic aquatic /)	:	1,000	
Persis	tence and degradabili	ty		
<u>Comp</u>	onents:			
Petrol				
L	gradability	:	Result: Not readil	y biodegradable.



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Hexa	decan-1-ol. Ethoxylat	ed:		
Biode	gradability		Result: Readily b Biodegradation: Exposure time: 1	> 99 %
4-Chl	oro-3-methylphenol:			
	gradability		Result: Readily b Biodegradation: Exposure time: 1 Method: OECD T	78 %
Bioad	cumulative potential			
<u>Com</u>	oonents:			
Paraf	fin oil:			
	on coefficient: n- ol/water		log Pow: > 4 Remarks: Calcula	ation
II4-Chi	oro-3-methylphenol:			
	cumulation		Species: Cyprinu Bioconcentration	s carpio (Carp) factor (BCF): 5.5 - 13
	on coefficient: n- ol/water	:	log Pow: 0.477	
Partiti	nethasone: on coefficient: n- ol/water	:	log Pow: 2.11	
	<b>ity in soil</b> ıta available			
	rdous to the ozone la	yer		
	<b>adverse effects</b> Ita available			

### Disposal methods

Waste from residues Contaminated packaging	:	Dispose of in accordance with local regulations. 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.
		in not otherwise specified. Dispose of as unused product.

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### **Betamethasone Cream Formulation**

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14. T	RANS	PORT INFORMATION			
	Interna	tional Regulations			
	UNRTE	DG			
	UN nur	nber	:	UN 3082	
	Proper	shipping name		ENVIRONMENTA N.O.S. (betamethasone)	ALLY HAZARDOUS SUBSTANCE, LIQUID,
	Class		:	9	
		g group			
	Labels		:	9	
		OGR			
	UN/ID I	No.	:	UN 3082	
	Proper	shipping name	:	Environmentally h (betamethasone)	azardous substance, liquid, n.o.s.
	Class		:	9	
		g group			
	Labels			Miscellaneous	
;	aircraft			964	
	Packing ger airc	g instruction (passen- craft)	:	964	
	Enviror	mentally hazardous	:	yes	
	IMDG-(	Code			
	UN nur		:	UN 3082	
		shipping name	:		ALLY HAZARDOUS SUBSTANCE, LIQUID,
	Class		-	9	
		g group			
	Labels		-	9	
	EmS C			F-A, S-F	
	warine	pollutant	:	yes	

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

Not applicable for product as supplied.

#### **National Regulations**

Refer to section 15 for specific national regulation.

#### 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**

#### **Related Regulations**

#### Fire Service Law

Designated Flammable Substances, Flammable liquid, (2 cubic metre)



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#### **Chemical Substance Control Law**

Priority Assessment Chemical Substance

Chemical name	Number
alpha-Alkyl(C=9-11)-omega-hydroxypoly(oxyethylene) (It is limited that	188
a number-average molecular weight of the polymer is less than 1,000.)	
alpha-Alkyl(C=12-15)-omega-hydroxypoly(oxyethylene) (It is limited that	189
a number-average molecular weight of the polymer is less than 1,000.)	
[alpha-(Alkyl(C=16-18))-omega-hydroxypoly(oxyethane-1,2-diyl) or al-	250
pha-(alkenyl(C=16-18))-omega-hydroxypoly(oxyethane-1,2-diyl)]	

#### Industrial Safety and Health Law

#### Harmful Substances Prohibited from Manufacture

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable

#### **Substances Prevented From Impairment of Health**

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

#### Substances Subject to be Notified Names

Article 57-2 (Enforcement Order Table 9)		
Chemical name	Number	Concentration (%)
Mineral oil	168	>=20 - <30

#### Substances Subject to be Indicated Names

Article 57 (Enforcement Order Article 18)
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Chemical name	Number
Mineral oil	168

#### Ordinance on Prevention of Hazards Due to Specified Chemical Substances

Not applicable

#### Ordinance on Prevention of Lead Poisoning

Not applicable

#### Ordinance on Prevention of Tetraalkyl Lead Poisoning

Not applicable

#### **Ordinance on Prevention of Organic Solvent Poisoning**

Not applicable

# Enforcement Order of the Industrial Safety and Health Law - Attached table 1 (Dangerous Substances)

Not applicable

#### Poisonous and Deleterious Substances Control Law

Not applicable



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viron				of Specific Chemical Substances in the En the Management Thereof					
-	High Pressure Gas Safety Act Not applicable								
Expl	Explosive Control Law								
Not a	Not applicable								
Misce	<b>el Safety Law</b> ellaneous dangerous s of dangerous goods an			s (Article 2 and 3 of rules on shipping and stor )					
Aviation Law Miscellaneous dangerous substances and articles (Article 194 of The Enforcement Rules of tion Law and its Attached Table 1)									
Marine Pollution and Sea Disaster Prevention etc Law				etc Law					
Bulk	transportation	:	Noxious liquid	substance(Category Z)					
Pack	transportation	:	Classified as m	narine pollutant					
Narcotics and Psychotropics Control Act Narcotic or Psychotropic Raw Material (Export / Import Permission) Not applicable Specific Narcotic or Psychotropic Raw Material (Export / Import permission)									
	Not applicable								
	e Disposal and Publi strial waste	c Cle	ansing Law						
The	components of this p	rodu	ct are reported i	in the following inventories:					
AICS		:	not determined	1					
DSL		:	not determined	I					
IECS	С	:	not determined	I					
6. OTHE	R INFORMATION								
Furth	ner information								
	ces of key data used to bile the Safety Data t	) :		cal data, data from raw material SDSs, OECD search results and European Chemicals Agen europa.eu/					
	where changes have ment by two vertical lir		made to the prev	vious version are highlighted in the body of thi					
Date	format	:	yyyy/mm/dd						

Full text of other abbreviations				
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)		
JP OEL JSOH	:	Japan. The Japan Society for Occupational Health. Recom-		



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		mendation of O	ccupational Exposure Limits

ACGIH / TWA	:	8-hour, time-weighted average
JP OEL JSOH / OEL-M	:	Occupational Exposure Limit-Mean

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; 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.

JP / EN