

VersionRevision Date:SDS Number:Date of last issue: 2019/5.02020/03/231832934-00008Date of first issue: 2017/	
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1. PRODUCT AND COMPANY IDENTIFICATION

Chemical product name	:	Gentamicin / Betamethasone Cream Formulation
Supplier's company name, a	ddr	ess and phone number
Company name of supplier	:	Organon & Co.
Address	:	30 Hudson Street, 33nd floor Jersey City, New Jersey, U.S.A 07302
Telephone	:	551-430-6000
E-mail address	:	EHSSTEWARD@organon.com
Emergency telephone number	:	215-631-6999

Recommended use of the chemical and restrictions on use

Recommended use	: Pharmaceutical

2. HAZARDS IDENTIFICATION

GHS classification of chemical product

Reproductive toxicity	:	Category 1B
Specific target organ toxicity - repeated exposure	:	Category 1 (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland)
Short-term (acute) aquatic hazard	:	Category 2
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 system, muscle, thymus gland, Blood, Adrenal gland) through prolonged or repeated exposure. H401 Toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention:



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		 P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been and understood. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 					
		Response: P308 + P313 IF attention. P391 Collect spi	exposed or concerned: Get medical advice/ llage.				
		Storage: P405 Store locked up.					
		Disposal: P501 Dispose of disposal plant.	contents/ container to an approved waste				

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)	ENCS No.
Petrolatum	8009-03-8	>= 10 - < 20	
Paraffin oil	8012-95-1	>= 1 - < 10	
Alcohols, C16-18, ethoxylated	68439-49-6	>= 1 - < 2.5	
4-Chloro-3-methylphenol	59-50-7	>= 0.1 - < 0.25	3-900
Gentamicin	1403-66-3	>= 0.1 - < 0.25	
betamethasone	378-44-9	>= 0.025 - < 0.1	

4. FIRST AID MEASURES

General advice	In the case of accident or if you feel unwell, see vice immediately. When symptoms persist or in all cases of doubt 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 s of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.	oap and plenty



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If sw Most and delay Prote	ase of eye contact allowed t important symptoms effects, both acute and yed ection of first-aiders s to physician	 Thoroughly clean shoes before reuse. Flush eyes with water as a precaution. Get medical attention if irritation develops and persists. If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure. First Aid responders should pay attention to self-protection and use the recommended personal protective equipment when the potential for exposure exists (see section 8). Treat symptomatically and supportively. 		
	GHTING MEASURES			
Suita	able extinguishing media uitable extinguishing	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical None known.		
	cific hazards during fire-	Vapours may form explosive mixtures w Exposure to combustion products may b		
Haza ucts	ardous combustion prod-	Carbon oxides		
Spec ods	cific extinguishing meth-	 Use extinguishing measures that are appropriate to loc cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is sa so. 		
	cial protective equipment refighters	Evacuate area. In the event of fire, wear self-contained Use personal protective equipment.	breathing apparatus.	
6. ACCID	ENTAL RELEASE MEAS	ES		
tive e	onal precautions, protec- equipment and emer- cy procedures	Use personal protective equipment. Follow safe handling advice and person ment recommendations.	al protective equip-	
Envi	ronmental precautions	Discharge into the environment must be Prevent further leakage or spillage if saf Retain and dispose of contaminated wa Local authorities should be advised if sig cannot be contained.	e to do so. sh water.	
	ods and materials for ainment and cleaning up	Sweep up or vacuum up spillage and co tainer for disposal. Local or national regulations may apply posal of this material, as well as those n employed in the cleanup of releases. Yo	to releases and dis- naterials and items	



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			Sections 13 and 1	ations are applicable. 5 of this SDS provide information regarding tional requirements.
7. HANDLI	NG AND STORAGE			
Handl	ina			
	ical measures	:	See Engineering	measures under EXPOSURE
Local/	Total ventilation	:		SONAL PROTECTION section. tion is unavailable, use with local exhaust
Avoida	e on safe handling ance of contact	:	Do not get on skir Do not swallow. Avoid contact with Handle in accorda practice, based on sessment Keep container tig Take care to prev environment. Oxidizing agents	n eyes. ance with good industrial hygiene and safety in the results of the workplace exposure as- ghtly closed. ent spills, waste and minimize release to the
Hygier	ne measures	:	flushing systems a place. When using do no Wash contaminat The effective ope engineering contr appropriate dego	emical is likely during typical use, provide eye and safety showers close to the working of eat, drink or smoke. ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, whing and decontamination procedures, monitoring, medical surveillance and the ive controls.
Storag	-			
	tions for safe storage als to avoid	:	Store locked up. Keep tightly close Store in accordan	ce with the particular national regulations. the following product types:
Packa	ging material	:	Unsuitable materi	al: 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
Petrolatum	8009-03-8	OEL-M (Mist)	3 mg/m3	JP OEL JSOH



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				e whose OEL is set b e III, Group 1: carcir				
			TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH			
Paraf	fin oil	8012-95-1	OEL-M (Mist)	3 mg/m3	JP OEL JSOH			
			Further information: Substance whose OEL is set based on non- carcinogenic health effects. See III, Group 1: carcinogenic to hu-					
			TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH			
Genta	amicin	1403-66-3	TWA	0.1 mg/m3 (OEB 2)	Internal			
betar	nethasone	378-44-9	TWA	1 µg/m3 (OEB 4)	Internal			
		Further informa	ation: Skin					
			Wipe limit	10 µg/100 cm ²	Internal			
Engi	neering measures	are required to the compound from a closed stationary cor All engineerin design and op protect produc Essentially no	o control at sour d to uncontrolled system, packou ntainer, ventilated g controls should berated in accord cts, workers, and o open handling p	table for controlling of ce and to prevent mil areas (e.g., vacuum t head with inflatable d enclosure, etc.). d be implemented by dance with GMP prin d the environment. permitted.	igration of conveying seal from facility iciples to			

Personal protective equipment

· ····································							
Respiratory protection : Filter type : Hand protection		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					
Material	:	Chemical-resistant gloves					
Remarks Eye protection	:	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.					
Skin and body protection	:	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.					



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9. P	HYSICA			ERTIES	
••••	Physica			cream	
	·	State	•		
	Colour		:	No data available	
	Odour		:	No data available)
	Odour T	hreshold	:	No data available)
	Melting	point/freezing point	:	No data available	9
		point, initial boiling Id boiling range	:	No data available	
	Flamma	bility (solid, gas)	:	Not classified as	a flammability hazard
	Flamma	bility (liquids)	:	No data available)
	Upper e	explosion limit and uppe explosion limit / Upper pility limit			
		explosion limit / Lower pility limit	:	No data available	
	Flash po	pint	:	> 93.3 °C	
	Decomp	position temperature	:	No data available	2
	рН		:	No data available	9
	Evapora	ation rate	:	No data available)
	Auto-igr	nition temperature	:	No data available	9
	Viscosit Visco	y osity, kinematic	:	No data available)
	Solubilit Wate	y(ies) er solubility	:	No data available	
	Partitior octanol/	n coefficient: n- Water	:	No data available)
	Vapour	pressure	:	No data available	9
		and / or relative densit density	у :	No data available	9
	Density		:	No data available	9



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Relati	ive vapour density	: No data ava	ilable		
Explo	sive properties	: Not explosiv	/e		
Oxidiz	zing properties	: The substar	nce or mixture is not classified as oxidizing.		
Molecular weight		: No data ava	: No data available		
	le characteristics le size	: No data ava	ilable		

10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Vapours may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products	:	None known. Oxidizing agents No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity

Not classified based on available information.

Components:

	Petrolatum:	
	Acute oral toxicity :	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 Remarks: Based on data from similar materials
	Acute dermal toxicity :	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials
	Paraffin oil:	
Ì	Acute oral toxicity :	LD50 (Rat): > 5,000 mg/kg
	Acute dermal toxicity :	LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity



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IJ					
Alcol	hols, C16-18, ethoxylate	ed:			
Acute	e oral toxicity	:	: LD50 (Rat): > 2,000 mg/kg Remarks: Based on data from similar materials		
4-Ch	loro-3-methylphenol:				
Acute	e oral toxicity	:	LD50 (Mouse): 60	00 mg/kg	
Acute	inhalation toxicity	:	LC50 (Rat): > 2.87 Exposure time: 4 I Test atmosphere:	h	
Acute	e dermal toxicity	:	LD50 (Rat): > 5,00	00 mg/kg	
Gent	amicin:				
Acute	e oral toxicity	:	LD50 (Rat): 8,000	- 10,000 mg/kg	
			LD50 (Mouse): 10),000 mg/kg	
Acute	inhalation toxicity	:	LC50 (Rat): > 0.2 Exposure time: 4 I Test atmosphere: Remarks: No more	h	
	e toxicity (other routes of nistration)	:	LD50 (Rat): 67 - 9 Application Route		
			LD50 (Rat): 371 - Application Route		
			LDLo (Monkey): 3 Application Route		
betar	nethasone:				
Acute	e oral toxicity	:	LD50 (Rat): > 5,00	00 mg/kg	
			LD50 (Mouse): > 4	4,500 mg/kg	
Acute	e inhalation toxicity	:	LC50 (Rat): 0.4 m Exposure time: 4 l		
II Skin	corrosion/irritation				
	lassified based on availa	ble	information.		
Com	ponents:				
Potro	platum:				

Petrolatum:	
Species Method Result	: Rabbit
Method	: OECD Test Guideline 404
Result	: No skin irritation



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Rema	rks	: Based on data from similar materials
Paraf	fin oil:	
Specie Result		: Rabbit : No skin irritation
Alcoh	ols, C16-18, ethoxy	lated:
Specie		: Rabbit
Metho		: OECD Test Guideline 404
Result Rema		No skin irritationBased on data from similar materials
4-Chl	oro-3-methylphenol	:
Specie		: Rabbit
Metho	d	: OECD Test Guideline 404
Result	t	: Corrosive after 1 to 4 hours of exposure
Genta	imicin:	
Specie		: Rabbit
Result	t	: Mild skin irritation
U L	nethasone:	
Specie Result		: Rabbit
itesui	L	: Mild skin irritation
Serio Not cla	us eye damage/eye assified based on ava ponents:	irritation
Serio Not cla	us eye damage/eye assified based on ava ponents:	irritation
Serio Not cla <u>Comp</u>	us eye damage/eye assified based on ava ponents: latum:	irritation
Serio Not cla Comp Petro Specie Result	us eye damage/eye assified based on ava ponents: latum: es t	irritation ailable information. : Rabbit : No eye irritation
Seriou Not cla Comp Petrol Result Metho	us eye damage/eye assified based on ava ponents: latum: es t dd	irritation ailable information. : Rabbit : No eye irritation : OECD Test Guideline 405
Serio Not cla Comp Petro Specie Result	us eye damage/eye assified based on ava ponents: latum: es t dd	irritation ailable information. : Rabbit : No eye irritation
Seriou Not cla <u>Comp</u> Petrol Specie Result Metho Rema	us eye damage/eye assified based on ava ponents: latum: es t d rks	irritation ailable information. : Rabbit : No eye irritation : OECD Test Guideline 405
Seriou Not cla Comp Petrol Specia Result Metho Rema	us eye damage/eye assified based on ava ponents: latum: es t d rks fin oil: es	 irritation ailable information. Rabbit No eye irritation OECD Test Guideline 405 Based on data from similar materials Rabbit
Seriou Not cla <u>Comp</u> Petrol Specie Result Metho Rema	us eye damage/eye assified based on ava ponents: latum: es t d rks fin oil: es	 irritation ailable information. Rabbit No eye irritation OECD Test Guideline 405 Based on data from similar materials
Seriou Not cla Comp Petrol Specia Result Metho Rema Paraff Specia Result	us eye damage/eye assified based on ava ponents: latum: es t d rks fin oil: es t nols, C16-18, ethoxy	 irritation ailable information. Rabbit No eye irritation OECD Test Guideline 405 Based on data from similar materials Rabbit No eye irritation
Serior Not cla Comp Petrol Specie Result Metho Rema Paraff Specie Result	us eye damage/eye assified based on ava ponents: latum: es t d rks fin oil: es t nols, C16-18, ethoxy es	 irritation ailable information. Rabbit OECD Test Guideline 405 Based on data from similar materials Rabbit No eye irritation Iated: Rabbit Rabbit
Seriou Not cla Comp Petrol Specia Result Metho Rema Paraff Specia Result	us eye damage/eye assified based on ava ponents: latum: es t d rks fin oil: es t nols, C16-18, ethoxy es t	 irritation ailable information. Rabbit No eye irritation OECD Test Guideline 405 Based on data from similar materials Rabbit No eye irritation Iated:



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4-Chl Speci Resul Metho	lt	: F : II	Rabbit rreversible effec DECD Test Guid	
Gent a Speci Resul			abbit /ild eye irritatior	ı
beta n Speci Resul			abbit lo eye irritation	
Resp	iratory or skin sensit	isation		
-	sensitisation lassified based on ava	ilable in	formation.	
-	iratory sensitisation assified based on ava	ilable in	formation.	
Com	oonents:			
Test	sure routes es It	: S : C : n	Buehler Test Skin contact Guinea pig Jegative Based on data fi	rom similar materials
Alcot	nols, C16-18, ethoxyl	ated		
Test	Гуре sure routes es od t	: E : S : C : C	Buehler Test Skin contact Guinea pig DECD Test Guid Begative Based on data fi	deline 406 rom similar materials
4-Ch	oro-3-methylphenol:			
Test Expos Speci	Гуре sure routes	: N : S	Maximisation Te Skin contact Guinea pig	st
Asses	ssment		Probability or ev ate in humans	idence of low to moderate skin sensitisation
Gent a	amicin: arks	: N	lo data availabl	e



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UL I		:	Dermal Guinea pig Weak sensitizer	
	cell mutagenicity assified based on availa	able	information.	
Comp	onents:			
Petrol	atum:			
Genot	oxicity in vitro	:	Result: negative	nosome aberration test in vitro on data from similar materials
Genot	oxicity in vivo	:	cytogenetic assay Species: Mouse Application Route Method: OECD T Result: negative	: Intraperitoneal injection
Alcoh	ols, C16-18, ethoxylat	ted:		
UL I	oxicity in vitro	:	Test Type: Bacter Method: OECD T Result: negative	rial reverse mutation assay (AMES) est Guideline 471
				on data from similar materials
			Method: OECD T	o mammalian cell gene mutation test est Guideline 476
			Result: negative Remarks: Based	on data from similar materials
			Method: OECD T	nosome aberration test in vitro est Guideline 473
			Result: negative Remarks: Based	on data from similar materials
	oro-3-methylphenol:			
- L L	oxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)
Genta	micin:			
	oxicity in vitro	:	Test Type: In vitro Result: negative	o mammalian cell gene mutation test
			Test Type: Chron Result: equivocal	nosome aberration test in vitro
Genot	oxicity in vivo	:	Test Type: Mamn	nalian erythrocyte micronucleus test (in vivo



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				cytogenetic assay Species: Mouse Application Route Result: negative) : Intravenous injection
	betame	ethasone:			
Ï	Genoto	xicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
				Test Type: In vitro Result: negative	mammalian cell gene mutation test
				Test Type: Chrom Result: positive	osome aberration test in vitro
¢	Genoto	xicity in vivo	:	Test Type: Mamm cytogenetic assay Species: Mouse Application Route Result: equivocal	
	Germ o Assess	ell mutagenicity - ment	:	Weight of evidenc cell mutagen.	e does not support classification as a germ
יז <u>פ</u> עניין פון	Not cla <u>Compo</u> Petrola Species Applica Exposu		ble : :	Rat Ingestion 2 Years	
11 ⁰	Result		:	negative	
- Ïl	Gentar Carcino ment	nicin: ogenicity - Assess-	:	No data available	
	•	luctive toxicity mage the unborn child.			
<u>(</u>	Compo	onents:			
,	Petrola	atum:			
LL.		on fertility	:	test Species: Rat Application Route Result: negative	duction/Developmental toxicity screening : Ingestion on data from similar materials
	Effects	on foetal develop-	:	Test Type: Embry	o-foetal development



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ment		Species: Rat Application Route: Skin c Result: negative Remarks: Based on data	
Alcol	nols, C16-18, ethoxyla	:	
Effect	ts on fertility	Test Type: Two-generation Species: Rat Application Route: Skin c Result: negative Remarks: Based on data	
Effect ment	ts on foetal develop-	Test Type: Two-generation Species: Rat Application Route: Skin c Result: negative Remarks: Based on data	
4-Ch	oro-3-methylphenol:		
Effect	ts on fertility	Test Type: One-generation Species: Rat Application Route: Ingest Result: negative	on reproduction toxicity study
Effect ment	ts on foetal develop-	Test Type: Reproduction/ test Species: Rat Application Route: Ingest Result: negative	Developmental toxicity screening
	amicin:		
UL.	s on fertility	Species: Rat Fertility: NOAEL: 20 mg/k	on reproduction toxicity study g body weight rerse effects were reported
Effect ment	ts on foetal develop-	Test Type: Embryo-foetal Species: Rabbit Developmental Toxicity: N Result: No embryo-foetal	NOAEL: 3.6 mg/kg body weight
		Test Type: Embryo-foetal Species: Rat Application Route: Intrape Developmental Toxicity: I Result: Embryo-foetal tox	eritoneal _OAEL: 75 mg/kg body weight
		Test Type: Embryo-foetal Species: Mouse Application Route: Intrape Developmental Toxicity: I	



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11			Result: foetal mo	ortality, No malformations were observed.
			Species: Rat Application Rout Developmental T	yo-foetal development e: Intraperitoneal oxicity: LOAEL: 50 mg/kg body weight ortality, No malformations were observed.
Repro sessr	oductive toxicity - As- nent	:	Positive evidence human epidemio	e of adverse effects on development from logical studies.
betar	nethasone:			
Effect ment	ts on foetal develop-	:		e: Intramuscular oxicity: LOAEL: 0.05 mg/kg body weight ity, Malformations were observed.
			Developmental T	e: Subcutaneous oxicity: LOAEL: 0.42 mg/kg body weight ations were observed.
				e: Intramuscular oxicity: LOAEL: 1 mg/kg body weight ations were observed.
Repro sessr	oductive toxicity - As- nent	:	Clear evidence o animal experime	f adverse effects on development, based on nts.
II STOI	「- single exposure			
Not c	lassified based on avail	able	information.	
<u>Com</u>	ponents:			
	oro-3-methylphenol:			
Asses	ssment	:	May cause respi	ratory irritation.

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

Components:	
Gentamicin:	Kidney, inner ear
Target Organs :	Causes damage to organs through prolonged or repeated
Assessment :	exposure.
betamethasone:	Pituitary gland, Immune system, muscle, thymus gland, Blood,
Target Organs :	Adrenal gland
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Asses	ssment	:	Causes damage exposure.	to organs through prolonged or repeated
Repe	ated dose toxicity			
Comp	oonents:			
Petro	latum:			
Speci		:	Rat	
	ation Route	:	5,000 mg/kg Ingestion	
Expos	sure time	:	2 yr	
Paraf	fin oil:			
Speci		:	Rat, female	
	L cation Route	:	161 mg/kg Ingestion	
	sure time	:	90 Days	
	nols, C16-18, ethoxylat	ted.		
Speci		:	Rat	
NOAE	EL	:	> 100 mg/kg	
	cation Route	:	Ingestion	
Metho	sure time	:	90 Days OECD Test Guid	deline 408
Rema		:		om similar materials
4-Chl	oro-3-methylphenol:			
Speci	•••	:	Rat	
NOAE	EL	:	200 mg/kg	
LOAE		:	400 mg/kg	
	cation Route sure time	:	Ingestion 28 Days	
	miain			
	amicin:		Dea	
Speci LOAE		•	Dog 3 mg/kg	
	ation Route	÷	Intramuscular	
	sure time	:	12 Months	
Targe Symp	t Organs toms	:	Kidney Vomiting, Saliva	tion
			-	
Speci LOAE		:	Monkey 50 mg/kg	
Applic	ation Route	:	Subcutaneous	
Expos	sure time	:	3 Weeks	
Targe	t Organs	:	Kidney, inner ea	r
Speci		:	Monkey	
LOAE	L	:	6 mg/kg	



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Expos	cation Route sure time t Organs	: Intramuscular : 3 Weeks : Blood, Kidney,	inner ear, Liver
Expos	EL	: Rat : 5 mg/kg : 10 mg/kg : Intramuscular : 52 Weeks : Kidney, Blood	
Expos	EL	: Rat : 12.5 mg/kg : 50 mg/kg : Intramuscular : 13 Weeks : Kidney	
Speci LOAE Applic Expos		: Rabbit : 0.05 % : Skin contact : 10 - 30 d : Pituitary gland	, Immune system, muscle
Expos		: Rat : 0.05 % : Skin contact : 8 Weeks : thymus gland	
Expos		: Mouse : 0.1 % : Skin contact : 8 Weeks : thymus gland	
Expos		: Dog : 0.05 mg/kg : Oral : 28 d : Blood, thymus	gland, 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.



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Exper	ience with human e	xposi	ure	
Comp	onents:			
Genta	micin:			
Ingest	ion	:	Target Organs: K	ïdney
			Target Organs: ir Symptoms: Dizzi deafness	nner ear ness, Vertigo, hearing loss, tinnitus, fetal
libetam	nethasone:			
Inhala		:	Target Organs: A	drenal gland
Skin c	ontact	:	Symptoms: Redn	ess, 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 Method: OECD Test Guideline 201 Remarks: Based on data from similar materials
	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 10 mg/l Exposure time: 21 d Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials
I	Paraffin oil:		
	Toxicity to fish	:	LL50 (Scophthalmus maximus (turbot)): > 1,028 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials



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	xicity to daphnia and other uatic invertebrates	:	Exposure time: 48 Test substance: V	
	xicity to algae/aquatic ants	:	EL50 (Skeletonen Exposure time: 72 Test substance: V	na costatum (marine diatom)): > 3,200 mg/l
			Exposure time: 72 Test substance: V	nema costatum (marine diatom)): 993 mg/l 2 h Vater Accommodated Fraction on data from similar materials
Шл	cohols, C16-18, ethoxylate	۰h		
	xicity to fish	-u. :	LC50 (Leuciscus i Exposure time: 96	idus (Golden orfe)): > 1 - 10 mg/l S h
	xicity to daphnia and other uatic invertebrates	:	Exposure time: 48	agna (Water flea)): > 100 mg/l 3 h on data from similar materials
II ₄.	Chloro-3-methylphenol:			
	xicity to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 917 μg/l δ h
	xicity to daphnia and other uatic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	xicity to algae/aquatic ants	:	ErC50 (Chlorella Exposure time: 72 Method: OECD Te	
			EC10 (Chlorella p Exposure time: 72 Method: OECD Te	
M-	Factor (Acute aquatic tox-	:	1	
icit To icit	xicity to fish (Chronic tox-	:	NOEC (Oncorhyn Exposure time: 28 Method: OECD Te	
aq	xicity to daphnia and other uatic invertebrates (Chron- toxicity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
То	xicity to microorganisms	:	EC50: 22.86 mg/l Exposure time: 60	



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H				
Toxici	amicin: ty to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD T	
			LC50 (Americamy Exposure time: 96 Method: US-EPA	
Toxici plants	ty to algae/aquatic	:	EC50 (Pseudokiro Exposure time: 72 Method: OECD T	
			NOEC (Pseudokii µg/l Exposure time: 72 Method: OECD T	
			EC50 (Anabaena Exposure time: 72 Method: OECD T	
			NOEC (Anabaena Exposure time: 72 Method: OECD T	
M-Fac icity)	ctor (Acute aquatic tox-	:	100	
	ctor (Chronic aquatic	:	1	
	ty to microorganisms	:	EC50: 288.7 mg/l Exposure time: 3 Test Type: Respin Method: OECD T	h ration inhibition
II betan	nethasone:			
Toxici	ty to daphnia and other ic invertebrates	:	EC50 (Americam) Exposure time: 96	
Toxici plants	ty to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD T	
			mg/l Exposure time: 72 Method: OECD T	
11				



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	oxicity to fish (Chronic tox- ity)	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te	
			NOEC (Oryzias la Exposure time: 21 Method: OECD Te	
a	oxicity to daphnia and other quatic invertebrates (Chron-toxicity)	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	
	-Factor (Chronic aquatic xicity)	:	1,000	
4-	Chloro-3-methylphenol:			
Ĩ	oxicity to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 917 μg/l i h
	oxicity to daphnia and other quatic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	h
	oxicity to algae/aquatic ants	:	ErC50 (Chlorella p Exposure time: 72 Method: OECD Te	
			EC10 (Chlorella p Exposure time: 72 Method: OECD Te	
	-Factor (Acute aquatic tox- ity)	:	1	
Т	oxicity to fish (Chronic tox- ity)	:	NOEC (Oncorhynd Exposure time: 28 Method: OECD Te	
a	oxicity to daphnia and other quatic invertebrates (Chron-toxicity)	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	
Т	oxicity to microorganisms	:	EC50: 22.86 mg/l Exposure time: 60	h
Ш́с	entamicin:			
∐ ⊺(oxicity to daphnia and other quatic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
			LC50 (Americamy Exposure time: 96 Method: US-EPA	5 h



ersion .0	Revision Date: 2020/03/23		DS Number: 32934-00008	Date of last issue: 2019/09/13 Date of first issue: 2017/07/13
Toxici plants	ty to algae/aquatic	:	EC50 (Pseudokiro Exposure time: 72 Method: OECD T	
			NOEC (Pseudokii µg/l Exposure time: 72 Method: OECD T	
			EC50 (Anabaena Exposure time: 72 Method: OECD T	flos-aquae (cyanobacterium)): 4.7 μg/l 2 h est Guideline 201
			NOEC (Anabaena Exposure time: 72 Method: OECD T	
	ctor (Acute aquatic tox-	:	100	
	ctor (Chronic aquatic	:	1	
toxicit Toxici	y) ty to microorganisms	:	EC50: 288.7 mg/l Exposure time: 3 Test Type: Respir Method: OECD T	h ration inhibition
Persi	stence and degradabil	ity		
Comp	oonents:			
UL.	latum: gradability	:		31 %
	fin oil:			
UL.	gradability	:		32 %
Alcoh	ols, C16-18, ethoxylat	ed:		
Biode	gradability	:		> 60 %



rsion)	Revision Date: 2020/03/23	-	S Number: 32934-00008	Date of last issue: 2019/09/13 Date of first issue: 2017/07/13			
	oro-3-methylphenol gradability	:	Biodegradation Exposure time:				
	m icin: gradability	:	Result: rapidly	degradable			
			Biodegradation: 100 % Exposure time: 28 d Method: OECD Test Guideline 314				
	oro-3-methylphenol						
	gradability	:	Biodegradation Exposure time:				
Genta	micin:						
Biode	gradability	:	Result: rapidly Biodegradation Exposure time: Method: OECD	: 100 %			
	cumulative potentia	l					
	oonents:						
	ols, C16-18, ethoxy	lated:	On a sia su Fish				
BIOAC	cumulation	:		on factor (BCF): < 500 ed on data from similar materials			
	on coefficient: n- bl/water	:	log Pow: > 4				
4-Chl	oro-3-methylphenol						
Bioac	cumulation	:		nus carpio (Carp) on factor (BCF): 5.5 - 13			
	on coefficient: n- ol/water	:	log Pow: 0.477				
Genta	imicin:						
	on coefficient: n- ol/water	:	log Pow: < -2				
betam	nethasone: on coefficient: n-		log Pow: 2.11				



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Bioaccumulation		Species: Cyprinus Bioconcentration f	acarpio (Carp) actor (BCF): 5.5 - 13
Partition coefficient: n- octanol/water	: 10	og Pow: 0.477	
Gentamicin: Partition coefficient: n- octanol/water	: 10	og Pow: < -2	
Mobility in soil No data available			
Hazardous to the ozone lay Not applicable	yer		
Other adverse effects No data available			
13. DISPOSAL CONSIDERATIO	NS		
Disposal methods			
Waste from residues Contaminated packaging	: E c	Empty containers Iling site for recyc	ordance with local regulations. should be taken to an approved waste han- ling or disposal. pecified: Dispose of as unused product.
14. TRANSPORT INFORMATIO	N		
International Regulations			
UNRTDG UN number Proper shipping name Class Packing group Labels	: E N	N.O.S. (4-Chloro-3-meth) II	LLY HAZARDOUS SUBSTANCE, SOLID, ylphenol, Gentamicin)
IATA-DGR UN/ID No. Proper shipping name	: E		azardous substance, solid, n.o.s.
Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) Environmentally hazardous	: 9 : 1 : M : 9		ylphenol, Gentamicin)
IMDG-Code UN number	: l	JN 3077	



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Proper	shipping name	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, SOLID,
Class Subsidiary risk Packing group Labels EmS Code Marine pollutant			9 ENVIRONM. III 9 (ENVIRONM.) F-A, S-F 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 solid, (3000 kilogram)

Chemical Substance Control Law

Priority Assessment Chemical Substance	
Chemical name	Number
2,2,4,6,6-Pentamethylheptane	212

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 (%)



sion	Revision Date: 2020/03/23	SDS Number: 1832934-00008	Date of last issue Date of first issue	
Mine	ral oil		168	>=20 - <30
	tances Subject to be e 57 (Enforcement Or			
	nical name			Number
Mine	ral oil			168
	ance on Prevention	of Hazards Due to Sp	ecified Chemical S	ubstances
	nance on Prevention	of Lead Poisoning		
	nance on Prevention	of Tetraalkyl Lead Po	bisoning	
	nance on Prevention	of Organic Solvent P	oisoning	
Subs	cement Order of the tances)	Industrial Safety and	l Health Law - Attac	hed table 1 (Dangerous
	pnous and Deleterion	us Substances Contro	bl Law	
Act o viron	n Confirmation, etc.	of Release Amounts of Improvements to		al Substances in the En- nereof
High	Pressure Gas Safety	/ Act		
-	osive Control Law			
Vess	el Safety Law			
		substances and articles ad its Attached Table 1)		lles on shipping and stor-
Aviat	ion Law			
	ellaneous dangerous s aw and its Attached T		(Article 194 of The E	Enforcement Rules of Avia
Marin	e Pollution and Sea	Disaster Prevention	etc Law	
Bulk t	ransportation	: Noxious liquid s	substance(Category	Z)
Pack	transportation	: Classified as m	arine pollutant	
Narco	otics and Psychotro	pics Control Act		
	otic or Psychotropic Rapplicable	aw Material (Export / In	nport Permission)	
	fic Narcotic or Psycho pplicable	otropic Raw Material (E	xport / Import permis	sion)



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	Disposal and Publi rial waste	c Cleansing Law		
The c AICS	omponents of this p	roduct are reported : not determined	in the following inventories:	
DSL		: not determined	Ŀ	
IECS	2	: not determined	t	

16. OTHER INFORMATION

Further information

Sources of key data used to : compile the Safety Data	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-
Sheet	cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

: yyyy/mm/dd

Full text of other abbreviations

ACGIH JP OEL JSOH	USA. ACGIH Threshold Limit Values (TLV) Japan. The Japan Society for Occupational Health. Recom- mendation of Occupational Exposure Limits
ACGIH / TWA JP OEL JSOH / OEL-M	8-hour, time-weighted average Occupational Exposure Limit-Mean

AICS - Australian Inventory of Chemical Substances; 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 Svstem; 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 Substanc-



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es; (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