

Version 1.11	Revision Date: 28.09.2024		0S Number: 37817-00012	Date of last issue: 04.12.2023 Date of first issue: 01.03.2019			
SECTION 1. IDENTIFICATION							
Pro	duct identifier		Cephapirin (with	Peanut Oil) Formulation			
Oth	er means of identification	:	CEFA-SAFE (A	007158)			
Ма	nufacturer or supplier's	deta	iils				
	mpany	:	MSD				
Ado	dress	:		nto Soares, 530 Paulo - Brazil CEP 12730-340			
Tel	ephone	:	908-740-4000				
Em	ergency telephone	:	1-908-423-6000				
E-n	nail address	:	EHSDATASTEV	VARD@msd.com			
Re	commended use of the c	chem	nical and restricti	ons on use			
	commended use strictions on use	:	Veterinary produ Not applicable	uct			

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification in acco	rdanc	e with ABNT NBR 14725 Standard
Respiratory sensitization	:	Category 1

GHS label elements in accordance v	with ABNT NBR 14725 Standard

Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary Statements	:	Response: P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 3,2%



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Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Classification	Concentration (% w/w)	
Cefapirin	21593-23-7 Resp. Sens., 1A		>= 1 -< 5	
Aluminum tristearate	637-12-7		>= 1 -< 5	

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
In case of skin contact	:	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
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. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and	:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
delayed		Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reactive airways dysfunction syndrome).
Protection of first-aiders	:	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).
Notes to physician	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod-	:	Carbon oxides



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	ucts			Metal oxides	
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray to	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
	Special protective equipment for fire-fighters		:	In the event of fire Use personal prot	e, wear self-contained breathing apparatus. ective equipment.
SEC	TION 6	ACCIDENTAL RELE	ASI	EMEASURES	
	tive equ	al precautions, protec- uipment and emer- procedures	:		ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).
	Environmental precautions		:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containmen oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.	
		ls and materials for ment and cleaning up	:	For large spills, pr containment to ke can be pumped, s container. Clean up remainir absorbent.	absorbent material. Tovide diking or other appropriate ep material from spreading. If diked material tore recovered material in appropriate ng materials from spill with suitable

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Do not breathe mist or vapors.
		Do not swallow.
		Avoid contact with eyes.
		Avoid prolonged or repeated contact with skin.
		Handle in accordance with good industrial hygiene and safety
		practice, based on the results of the workplace exposure
		assessment



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Hygie	ne measures	 to asthma, allergi should consult the respiratory irritane Take care to preve environment. If exposure to che flushing systems place. When using do ne Wash contaminate The effective ope engineering contate 	d individuals, and those susceptible ies, chronic or recurrent respiratory disease, eir physician regarding working with ts or sensitizers. vent spills, waste and minimize release to the emical is likely during typical use, provide eye and safety showers close to the working ot eat, drink or smoke. ted clothing before re-use. eration of a facility should include review of rols, proper personal protective equipment, wining and decontamination procedures, e monitoring, medical surveillance and the		
Cond	itions for safe storage	e : Keep in properly labeled containers. Keep tightly closed.			
Mater	ials to avoid		nce with the particular national regulations. the following product types: agents		

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

:

Ingredients with workplace control parameters

• •	•			
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Cefapirin	21593-23-7	TWA	0.4 mg/m3 (OEB 2)	Internal
	Further inform	ation: RSEN		
Aluminum tristearate	637-12-7	TWA (Inhalable particulate matter)	10 mg/m³	ACGIH
		TWA (Respirable particulate matter)	3 mg/m³	ACGIH
		TWA (Respirable particulate matter)	1 mg/m³ (Aluminum)	ACGIH

Engineering measures

Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless quick connections). All engineering controls should be implemented by facility

design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment.



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Perso	onal protective equip	ment						
Respiratory protection		exposu	: If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.					
	ter type		ed particulates and organic vapor type					
Hand protection		.						
Ma	Material		al-resistant gloves					
Eye protection		If the w mists o Wear a	afety glasses with side shields or goggles. ork environment or activity involves dusty conditions, r aerosols, wear the appropriate goggles. faceshield or other full face protection if there is a al for direct contact to the face with dusts, mists, or s.					
Skin a	and body protection	: Work u	niform or laboratory coat.					

ECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	suspension
Color	:	No data available
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	No data available



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Wa	ility(ies) ater solubility	:	No data available	9
octano	Partition coefficient: n- octanol/water Autoignition temperature		Not applicable No data available	9
Decor	Decomposition temperature		No data available	
Viscos Vis	sity scosity, kinematic	:	No data available	
Explo	Explosive properties		Not explosive	
Oxidiz	ing properties	:	The substance o	r mixture is not classified as oxidizing.
Molec	Molecular weight		No data available	9
	le characteristics le size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

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

Acute toxicity

Not classified based on available information.

Components:

Cefapirin:

Acute oral toxicity	:	LD50 (Mouse): 26.000 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Mouse): > 7.600 mg/kg Application Route: Intraperitoneal
		LD50 (Rat): 7.800 mg/kg Application Route: Intraperitoneal

Aluminum tristearate:



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Acute	e oral toxicity	:		e): > 2.000 mg/kg on data from similar materials
Acute inhalation toxicity		:		h
-	corrosion/irritation lassified based on avai	ilahla	information	
	oonents:	liable	information.	
Alum	inum tristearate:			
Speci Metho	bd	:	OECD Test Guid	
Rema	arks	:	Based on data fro	om similar materials
Resul	lt	:	No skin irritation	
Serio	us eye damage/eye i	rritati	on	
Not cl	lassified based on avai	ilable	information.	
<u>Comp</u>	oonents:			
Alum	inum tristearate:			
Speci	es	:	Rabbit	
Resul		:	No eye irritation	
Metho		:	OECD Test Guid	
Rema	arks	:	Based on data fro	om similar materials
Resp	iratory or skin sensit	izatic	on	
Skin	sensitization			
Not cl	lassified based on avai	ilable	information.	
Deen				
Resp	iratory sensitization			
-	iratory sensitization cause allergy or asthmatic	a syn	nptoms or breathin	g difficulties if inhaled.
May c	-	a sym	nptoms or breathin	g difficulties if inhaled.
May c	cause allergy or asthma conents:	a syn	nptoms or breathin	g difficulties if inhaled.
May o <u>Comp</u> Cefap	cause allergy or asthma conents:	a syn :		g difficulties if inhaled. dence of high respiratory sensitization rate in
May o Comp Cefap Asses	cause allergy or asthma ponents: pirin:	a sym :	Probability or evi	-
May o Comp Cefap Asses	cause allergy or asthma ponents: pirin: ssment inum tristearate:	a sym : :	Probability or evi	dence of high respiratory sensitization rate in
May of Comp Cefap Asses Alum Test 1	cause allergy or asthma ponents: pirin: ssment inum tristearate:	a sym : :	Probability or evin	dence of high respiratory sensitization rate in
May c Comp Cefap Asses Alum Test T Route Speci	cause allergy or asthma <u>conents:</u> birin: ssment inum tristearate: Type s of exposure ies	a sym : : :	Probability or evi humans Local lymph node Skin contact Mouse	dence of high respiratory sensitization rate in
May of Comp Cefap Asses Alum Test T Route Speci Metho	cause allergy or asthma <u>ponents:</u> pirin: ssment inum tristearate: Type es of exposure les pd	a sym : : :	Probability or evi humans Local lymph node Skin contact Mouse OECD Test Guid	dence of high respiratory sensitization rate in
May c Comp Cefap Asses Alum Test T Route Speci	cause allergy or asthma ponents: pirin: ssment inum tristearate: Type es of exposure les od lt	a sym	Probability or evi humans Local lymph node Skin contact Mouse OECD Test Guid negative	dence of high respiratory sensitization rate in



ersion 11	Revision Date: 28.09.2024		9S Number: 37817-00012	Date of last issue: 04.12.2023 Date of first issue: 01.03.2019
Not cl	cell mutagenicity assified based on availa conents:	ble	information.	
Cefa p Geno	birin: toxicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
Alum	inum tristearate:			
	toxicity in vitro	:	Method: OECD To Result: negative	
			Remarks: Based	on data from similar materials
			Test Type: Bacter Method: OECD To Result: negative	ial reverse mutation assay (AMES) est Guideline 471
			Remarks: Based	on data from similar materials
Geno	toxicity in vivo	:	Test Type: Mamm cytogenetic assay Species: Rat Application Route	
			Method: OECD To Result: negative	
	nogenicity assified based on availa	ble	information.	
Repro	oductive toxicity			
Not cl	assified based on availa	ble	information.	
Comp	oonents:			
Cefap	birin:			
Effect	s on fertility	:	Species: Rat Application Route	y/early embryonic development : Intraperitoneal injection > 500 mg/kg body weight s on fertility.
Effect	s on fetal development	:	Species: Rat Application Route	ro-fetal development : Intraperitoneal injection oxicity: LOAEL: > 200 mg/kg body weight
Alum	inum tristearate:			
	s on fertility	:	Test Type: Two-g Species: Rat Application Route	eneration reproduction toxicity study



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			Remarks: Based	on data from similar materials
Eff	ects on fetal development	:	Species: Rat Application Route Result: negative	y/early embryonic development : Ingestion on data from similar materials
	OT-single exposure t classified based on availa	ble	information.	
	OT-repeated exposure t classified based on availa	ble	information.	
Re	peated dose toxicity			
<u>Co</u>	mponents:			
Ce	fapirin:			
Sp LO Ap Tai	ecies AEL plication Route rget Organs marks	:	Rat >= 200 mg/kg Intraperitoneal Blood anemia	
LÖ Apj Exj	ecies AEL plication Route posure time rget Organs	:	Dog 20 mg/kg Oral 4 Months Gastrointestinal tr	act
LÒ Ap Ex Ta	ecies AEL plication Route posure time rget Organs marks	:	Dog 100 mg/kg Intramuscular 10 Months Blood, Gastrointe anemia	stinal tract
Alı	uminum tristearate:			
NC Ap Ex	ecies DAEL plication Route posure time marks	:	Rat >= 5.000 mg/kg Ingestion 90 Days Based on data fro	m similar materials
	piration toxicity t classified based on availa	ıble	information.	
Ex	perience with human exp	osı	ıre	
<u>Co</u>	mponents:			
Ce	fapirin:			
	estion	:	Symptoms: Nause	ea, Vomiting, Abdominal pain, Diarrhea,



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		vaginitis, colitis	, anorexia, Rash, anaphylaxis
SECTION	N 12. ECOLOGICAL INF	ORMATION	
Eco	toxicity		
<u>Com</u>	nponents:		
Alur	ninum tristearate:		
	toxicology Assessmen te aquatic toxicity		annot be excluded
Chro	onic aquatic toxicity	: Toxic effects ca	annot be excluded
	sistence and degradabi lata available	lity	
	accumulative potential lata available		
	ility in soil lata available		
	er adverse effects lata available		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG Not regulated as a dangerous good

IATA-DGR Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Domestic regulation

ANTT Not regulated as a dangerous good



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Special precautions for user Not applicable							
SECTION 15. REGULATORY INFORMATION							
Safety, health and environmental regulations/legislation specific for the substance or mixture							
	National List of Carcinogenic Agents for Humans - : Not applicable (LINACH)						
	Brazil. List of chemicals controlled by the Federal : Not applicable Police						
The ingredients of this product are reported in the following inventories: AICS : not determined							
DSL			not determined				
IECS	SC	:	not determined				
SECTION 16. OTHER INFORMATION							
	sion Date format	:	28.09.2024 dd.mm.yyyy				
Furt	her information						
comp	ces of key data used to bile the Material Safety Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/				
Full text of other abbreviations							
ACG	IH	:	USA. ACGIH Thr	eshold Limit Values (TLV)			
ACG	IH / TWA	:	8-hour, time-weig	hted average			
Land Carc Stan x% r ENC x% g tem; - Int Equip centr cal S Marit ganis	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; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a test population; ID50, - Lethal Dose to 50% of a te						

centration 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;



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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 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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