

Version 1.12	Revision Date: 28.09.2024		9S Number: 67345-00013	Date of last issue: 30.09.2023 Date of first issue: 09.05.2019		
SECTION	1. IDENTIFICATION					
Produ	uct name	:	Cloxacillin (with	Peanut Oil) Formulation		
Manu	ifacturer or supplier's	s deta	ils			
Comp	Company		MSD	MSD		
Addre	Address		Talcahuano 750, 6th floor, Ciudad Autonoma Buenos Aires, Argentina C1013AAP			
Telep	Telephone		908-740-4000			
Emer	Emergency telephone		1-908-423-6000			
E-ma	E-mail address		EHSDATASTEWARD@msd.com			
Reco	mmended use of the	chem	nical and restricti	ons on use		
Recommended use Restrictions on use		:	Veterinary product Not applicable			

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Respiratory sensitization	:	Category 1
Skin sensitization	:	Category 1
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary Statements	:	Prevention: P261 Avoid breathing mist or vapors. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves. P284 Wear respiratory protection.
		Response: P302 + P352 IF ON SKIN: Wash with plenty of water.



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		keep comfortab P333 + P313 If vice/ attention. P342 + P311 If POISON CENT	F INHALED: Remove person to fresh air and ole for breathing. skin irritation or rash occurs: Get medical ad- experiencing respiratory symptoms: Call a FER/ doctor. ake off contaminated clothing and wash it before	
		Disposal:		
		P501 Dispose o disposal plant.	of contents/ container to an approved waste	

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

: Mixture

Substance / Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Peanut oil	8002-03-7	>= 70 -< 90
cloxacillin	61-72-3	>= 5 -< 10

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	:	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. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis,
Protection of first-aiders	:	reactive airways dysfunction syndrome). First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment



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Ν	lotes to physician	:	when the potential for exposure exists (see section 8).Treat symptomatically and supportively.				
SECT	ION 5. FIRE-FIGHTI	NG MEAS	URES				
S	Suitable extinguishing	media :	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical				
	Jnsuitable extinguishi nedia	ng :	None known.				
	Specific hazards during fire fighting		Exposure to com	pustion products may be a hazard to health.			
	lazardous combustio	n prod- :	Carbon oxides Chlorine compour Nitrogen oxides (I Sulfur compound	NOx)			
	Specific extinguishing ds	meth- :	cumstances and to 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 equ or fire-fighters	ipment :		e, wear self-contained breathing apparatus. tective equipment.			
SECT	ION 6. ACCIDENTA	L RELEAS	E MEASURES				
P	Personal precautions	protec-	lise personal pro	ective equipment			

Personal precautions, protec- : Use personal protective equipment. tive equipment and emer-Follow safe handling advice (see section 7) and personal gency procedures protective equipment recommendations (see section 8). Environmental precautions : Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained. Methods and materials for : Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment and cleaning up containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.

Clean up remaining materials from spill with suitable absorbent.

Local or national regulations may apply to releases and



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		employed in the determine which Sections 13 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 ST	ORAGE				
Techr	nical measures		g measures under EXPOSURE RSONAL PROTECTION section.			
Local	/Total ventilation		dequate ventilation.			
Advic	e on safe handling	 Do not get on sl Do not breathe Do not swallow. Avoid contact w Handle in accor practice, based assessment Keep container Already sensitiz to asthma, aller should consult t respiratory irrita 	kin or clothing. mist or vapors. ith eyes. dance with good industrial hygiene and safety on the results of the workplace exposure			
	itions for safe storage rials to avoid	 Keep in properly labeled containers. Keep tightly closed. Store in accordance with the particular national regulatio Do not store with the following product types: 				
		Strong oxidizing Gases	agents			

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

	•				
Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis	
		exposure)	concentration		
Peanut oil	8002-03-7	CMP (Mist)	10 mg/m ³	AR OEL	
cloxacillin	61-72-3	TWA	100 µg/m3 (OEB	Internal	
			2)		
	Further information: RSEN, DSEN				
		Wipe limit	100 µg/100 cm2	Internal	

Ingredients with workplace control parameters

Ena	inoor	ina	mogeuroe
Eng	meer	my	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					
	iratory protection	exposure asse recommended	cal exhaust ventilation is not available or essment demonstrates exposures outside the I guidelines, use respiratory protection. ticulates and organic vapor type				
Hand	protection aterial	·					
Еуе р	protection	If the work env mists or aeros Wear a facesh	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				
	and body protection one measures	: If exposure to eye flushing sy working place When using du Contaminated workplace. Wash contami The effective of engineering co appropriate de industrial hygi	or laboratory coat. chemical is likely during typical use, provide ystems and safety showers close to the o not eat, drink or smoke. work clothing should not be allowed out of the inated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, egowning and decontamination procedures, ene monitoring, medical surveillance and the strative controls.				

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	suspension
Color	:	light yellow
Odor	:	characteristic
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



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	Lower explosion limit / Lower flammability limit		:	No data available	
	Vapor p	pressure	:	No data available	
	Relative	e vapor density	:	No data available	
	Relative	e density	:	No data available	
	Density		:	No data available	
	Solubili Wat	ty(ies) er solubility	:	insoluble	
	Partition octanol	n coefficient: n-	:	Not applicable	
		ition temperature	:	No data available	,
	Decom	position temperature	:	No data available	
	Viscosi Visc	ty osity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	
	Particle Particle	characteristics 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.



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Comp	oonents:			
Peanu	ut oil:			
	oral toxicity	:		000 mg/kg Test Guideline 401 d on data from similar materials
Acute	dermal toxicity	:	LD50 (Rat): > 2. Remarks: Based	000 mg/kg d on data from similar materials
cloxa	cillin:			
Acute	oral toxicity	:	LD50 (Rat): 5.00	00 mg/kg
			LD50 (Mouse):	5.000 mg/kg
	toxicity (other routes of istration)	:		1.117 mg/kg te: Intramuscular
			LD50 (Mouse): 9 Application Rou	
			LD50 (Mouse): Application Rou	1.500 mg/kg te: Subcutaneous
			LD50 (Rat): 1.66 Application Rou	
			LD50 (Rat): 4.20 Application Rou	00 mg/kg te: Subcutaneous
Skin d	corrosion/irritation			
	assified based on availa	ble	information.	
<u>Comp</u>	oonents:			
Peanu	ut oil:			
Specie		:	Rabbit	
Resul [.] Rema		:	No skin irritation Based on data f	rom similar materials
cloxa	cillin:			
Rema	-	:	Not classified du	ue to lack of data.
	us eye damage/eye irri assified based on availa			
	oonents:	-		
Peanu	ut oil:			
Specie		:	Rabbit	
Resul	t	:	No eye irritation	
Rema	irks	:	Based on data f	rom similar materials



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	cillin:	. Na		
Rema	arks	: NC	ot classified d	ue to lack of data.
Resp	iratory or skin sen	sitization		
-	sensitization cause an allergic ski	n reaction.		
-	iratory sensitizatio			
May o	cause allergy or asth	ima sympto	ms or breathi	ng difficulties if inhaled.
Com	ponents:			
cloxa	cillin:			
	es of exposure		ermal	vidence of skin sensitization in humans
Resu			sitive	
Asses	ssment		obability of re imal testing	spiratory sensitization in humans based o
Resu	lt		sitive	
Not c	a cell mutagenicity lassified based on a ponents:	vailable info	ormation.	
Not cl <u>Com</u> Pean	lassified based on a	: Те	est Type: Bac	terial reverse mutation assay (AMES)
Not cl <u>Com</u> Pean	lassified based on a ponents: ut oil:	: Те		
Not cl <u>Com</u> Pean Geno	lassified based on a ponents: ut oil:	: Те	est Type: Bac	
Not cl <u>Com</u> Pean Geno	lassified based on a ponents: ut oil: toxicity in vitro	: Te Re : Te	est Type: Bac esult: negative est Type: Bac	e terial reverse mutation assay (AMES)
Not cl <u>Com</u> Pean Geno	lassified based on a ponents: ut oil: toxicity in vitro cillin:	: Te Re : Te Re Re	est Type: Bac esult: negative est Type: Bac esult: negative	e terial reverse mutation assay (AMES) e nation given is based on data obtained fro
Not cl Comj Pean Geno Cloxa Geno	lassified based on a ponents: ut oil: toxicity in vitro cillin:	: Te Re : Te Re sir : Te	est Type: Back esult: negative est Type: Back esult: negative emarks: Inforr nilar substance est Type: Micr	e terial reverse mutation assay (AMES) e nation given is based on data obtained fro ces. ronucleus test
Not cl Comj Pean Geno Cloxa Geno	lassified based on a <u>conents:</u> ut oil: toxicity in vitro icillin: toxicity in vitro	: Te Re Re Sir : Te Sp Re Re Re	est Type: Bact esult: negative est Type: Bact esult: negative emarks: Inforr nilar substanc est Type: Micr pecies: Mouse esult: negative	e terial reverse mutation assay (AMES) e nation given is based on data obtained fro ces. onucleus test e e mation given is based on data obtained fro
Not cl <u>Com</u> Pean Geno Cloxa Geno Carci	lassified based on a <u>conents:</u> ut oil: toxicity in vitro icillin: toxicity in vitro	: Te Re Re Sir : Te Sp Re Sir Sir	est Type: Back esult: negative est Type: Back esult: negative emarks: Inforr nilar substance est Type: Micr pecies: Mouse esult: negative emarks: Inforr nilar substance	e terial reverse mutation assay (AMES) e nation given is based on data obtained fro ces. onucleus test e e mation given is based on data obtained fro
Not cl <u>Com</u> Pean Geno Cloxa Geno Carci Not cl	lassified based on a ponents: ut oil: toxicity in vitro cillin: toxicity in vitro toxicity in vitro	: Te Re Re Sir : Te Sp Re Sir Sir	est Type: Back esult: negative est Type: Back esult: negative emarks: Inforr nilar substance est Type: Micr pecies: Mouse esult: negative emarks: Inforr nilar substance	e terial reverse mutation assay (AMES) e nation given is based on data obtained fro ces. onucleus test e e mation given is based on data obtained fro
Not cl <u>Com</u> Pean Geno Cloxa Geno Carci Not cl <u>Com</u>	lassified based on a ponents: ut oil: toxicity in vitro acillin: toxicity in vitro toxicity in vivo	: Te Re Re Sir : Te Sp Re Sir Sir	est Type: Back esult: negative est Type: Back esult: negative emarks: Inforr nilar substance est Type: Micr pecies: Mouse esult: negative emarks: Inforr nilar substance	e terial reverse mutation assay (AMES) e nation given is based on data obtained fro ces. onucleus test e e mation given is based on data obtained fro

Not classified based on available information.



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<u>Comp</u>	onents:			
cloxad	cillin:			
Effects	s on fertility	:		
Effects	s on fetal development	:	Result: No malfor Test Type: Develor Species: Rabbit Application Route Developmental To	e: Oral oxicity: NOAEL: 100 mg/kg body weight mations were observed. opment

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

cloxacillin:

Species	:	Rat
LOAEL	:	7.000 mg/kg
Application Route	:	Intravenous
Exposure time	:	4 Weeks
Symptoms	:	Hypoglycemia

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

cloxacillin:		
Inhalation	: Remarks: May cause sensitization of susceptible persons	<i>.</i>
Skin contact	: Symptoms: Dermatitis	
	Remarks: May irritate skin.	
Eye contact	: Remarks: May irritate eyes.	
Ingestion	: Symptoms: May cause, Gastrointestinal disturbance, Ras	h
	Remarks: May cause sensitization of susceptible persons	; .



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SECTION	12. ECOLOGICAL INF	OR	MATION	
Ecot	oxicity			
<u>Com</u>	ponents:			
Pean	ut oil:			
Toxic	city to fish	:	Exposure time: 9	io (zebra fish)): > 10.000 mg/l 96 h 1 on data from similar materials
	tity to daphnia and othei tic invertebrates	r:	Exposure time: 4	magna (Water flea)): > 100 mg/l 48 h 1 on data from similar materials
	istence and degradabi	lity		
	ata available			
Bioa	ccumulative potential			
<u>Com</u>	ponents:			
cloxa	acillin:			
	tion coefficient: n- nol/water	:	log Pow: 2,44	
Mobi	ility in soil			
No da	ata available			
	r adverse effects			
No da	ata available			
SECTION	13. DISPOSAL CONS	IDEF	RATIONS	
Disp	osal methods			
•	e from residues		Do not dispose o	of waste into sewer

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



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	-	-	RPOL 73/78 and the IBC Code
Not a	pplicable for product	as supplied.	
Spec	ial precautions for u	iser	
Not a	pplicable		
ECTION	15. REGULATORY I	NFORMATION	
Safet mixtu		nmental regulations/le	egislation specific for the substance or
Argei Regis		ubstances and Agents	: Not applicable
	rol of precursors and e aration of drugs.	essential chemicals for t	the : Not applicable
T I	ngredients of this p	roduct are reported in	the following inventories:
I ne I		: not determined	
AICS		. not determined	
		: not determined	

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Further information

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

Full text of other abbreviations

AR OEL	:	Argentina. Occupational Exposure Limits

: TLV (Threshold Limit Value) AR OEL / CMP

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 Or-



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ganisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless 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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