

Version 2.0	Revision Date: 28.09.2024	SDS Number: 4267343-00012	Date of last issue: 30.09.2023 Date of first issue: 09.05.2019		
SECTION	1. IDENTIFICATION				
Produ	uct identifier	: Cloxacillin (v	with Peanut Oil) Formulation		
Manu	ufacturer or supplier	s details			
Comp	pany	: MSD			
Addre	ess		Rua Coronel Bento Soares, 530 Cruzeiro - Sao Paulo - Brazil CEP 12730-340		
Telep	bhone	: 908-740-400	00		
Emer	gency telephone	: 1-908-423-6	1-908-423-6000		
E-ma	il address	: EHSDATAS	: EHSDATASTEWARD@msd.com		
Reco	ommended use of the	e chemical and rest	rictions on use		
	mmended use rictions on use	: Veterinary p : Not applicat			
	2. HAZARDS IDENT Classification in acc		۲ NBR 14725 Standard		
Resp	iratory sensitization	: Category 1			
Skin	sensitization	: Category 1			
GHS	label elements in ac	cordance with ABN	T NBR 14725 Standard		
Haza	rd pictograms				
Signa	al Word	: Danger			

reathing
owed out of
er. n air and

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		vice/ atter P342 + P3 POISON ( P362 + P3 reuse.	311 If experiencing respira CENTER/ doctor. 364 Take off contaminated	tory symptoms: Call a	
None	r hazards which do no				
	3. COMPOSITION/INF	: Mixture	INGREDIENTS		
Com	ponents				
-	nical name	CAS-No.	Classification	Concentration (% w/w)	
cloxa	cillin	61-72-3	Resp. Sens., 1 Skin Sens., 1	>= 5 -< 10	
			nediately. ptoms persist or in all case	es of doubt seek medical	
Gene	ral advice	advice imm When sym			
lf inha	alad	<ul> <li>If inhaled, remove to fresh air.</li> <li>If not breathing, give artificial respiration.</li> <li>If breathing is difficult, give oxygen.</li> <li>Get medical attention.</li> </ul>			
		If not breat If breathing Get medica	hing, give artificial respirat g is difficult, give oxygen. al attention.		
	se of skin contact	If not breat If breathing Get medica In case of of water. Remove co Get medica Wash cloth	hing, give artificial respirat g is difficult, give oxygen. al attention. contact, immediately flush ontaminated clothing and s al attention. hing before reuse.	skin with soap and plenty hoes.	
In cas		If not breat If breathing Get medica In case of of water. Remove co Get medica Wash cloth Thoroughly Flush eyes	hing, give artificial respirat g is difficult, give oxygen. al attention. contact, immediately flush ontaminated clothing and s al attention.	skin with soap and plenty hoes. a. n.	
In cas	se of skin contact	If not breat If breathing Get medica In case of of water. Remove co Get medica Wash cloth Thoroughly Flush eyes Get medica If swallowe Get medica	hing, give artificial respirat g is difficult, give oxygen. al attention. contact, immediately flush ontaminated clothing and s al attention. hing before reuse. y clean shoes before reuse with water as a precaution al attention if irritation deve ed, DO NOT induce vomitin al attention if symptoms oc	skin with soap and plenty hoes. h. h. elops and persists. hg.	
In cas In cas If swa Most	se of skin contact se of eye contact allowed important symptoms iffects, both acute and	If not breat If breathing Get medica In case of of water. Remove co Get medica Wash cloth Thoroughly Flush eyes Get medica Rinse mou May cause difficulties Excessive other respi	hing, give artificial respirat g is difficult, give oxygen. al attention. contact, immediately flush ontaminated clothing and s al attention. hing before reuse. y clean shoes before reuse with water as a precaution al attention if irritation deve ed, DO NOT induce vomitin al attention if symptoms oc th thoroughly with water. e an allergic skin reaction. e allergy or asthma sympton if inhaled. exposure may aggravate p ratory disorders (e.g. empl	skin with soap and plenty hoes. h. elops and persists. ng. cur. ms or breathing preexisting asthma and hysema, bronchitis,	
In cas In cas If swa Most and e delay	se of skin contact se of eye contact allowed important symptoms iffects, both acute and	If not breat If breathing Get medica In case of of water. Remove co Get medica Wash cloth Thoroughly Flush eyes Get medica Rinse mou May cause difficulties Excessive other respi reactive ain First Aid re and use the	hing, give artificial respirat g is difficult, give oxygen. al attention. contact, immediately flush ontaminated clothing and s al attention. hing before reuse. y clean shoes before reuse with water as a precaution al attention if irritation deve ed, DO NOT induce vomitin al attention if symptoms oc th thoroughly with water. e an allergic skin reaction. e allergy or asthma sympton if inhaled. exposure may aggravate p	skin with soap and plenty hoes. h. elops and persists. ng. cur. ms or breathing preexisting asthma and hysema, bronchitis, he). tion to self-protection, protective equipment	

#### **SECTION 5. FIRE-FIGHTING MEASURES**



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	Suitable extinguishing media		:	Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical	
	Unsuitable extinguishing media		:	None known.	
	Specific fighting	c hazards during fire	:	Exposure to comb	oustion products may be a hazard to health.
	Hazardous combustion prod- ucts		:	Carbon oxides Chlorine compour Nitrogen oxides (N Sulfur compounds	NOx)
	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 for fire-	protective equipment fighters	:	In the event of fire Use personal prot	e, wear self-contained breathing apparatus. ective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal 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 containment and cleaning up	:	Soak up with inert absorbent material. For large spills, provide diking or other appropriate 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 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.



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#### SECTION 7. HANDLING AND STORAGE

Technical measures		See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation Advice on safe handling	:::	Use only with adequate ventilation. Do not get on skin or clothing. Do not breathe mist or vapors. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Already sensitized individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respiratory irritants or sensitizers. Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	:	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the
Conditions for safe storage	:	use of administrative controls. Keep in properly labeled containers. Keep tightly closed.
Materials to avoid	:	Store in accordance with the particular national regulations. Do not store with the following product types: Strong oxidizing agents Gases

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

:

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
cloxacillin	61-72-3	TWA	100 µg/m3 (OEB	Internal
			2)	
	Further information: RSEN, DSEN			
		Wipe limit	100 µg/100 cm2	Internal

Engineering measures

Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip-



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		design and c protect produ	onnections). ng controls should be implemented by facility operated in accordance with GMP principles to ucts, workers, and the environment. operations do not require special containment.		
Perso	nal protective equip	ment			
Respir	Respiratory protection		If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.		
	Filter type Hand protection Material		articulates and organic vapor type		
			sistant gloves		
Eye pi	rotection	If the work en mists or aero Wear a faces	glasses with side shields or goggles. nvironment or activity involves dusty conditions, osols, wear the appropriate goggles. shield or other full face protection if there is a direct contact to the face with dusts, mists, or		
Skin a	nd body protection	: Work uniform	n or laboratory coat.		

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	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
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available

### SAFETY DATA SHEET



### **Cloxacillin (with Peanut Oil) Formulation**

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	Relative vapor density		:	No data available	9
	Relativ	e density	:	No data available	9
	Density	,	:	No data available	9
	Solubili Wat	ty(ies) er solubility	:	insoluble	
	Partition coefficient: n-		:	Not applicable	
octanol/water Autoignition temperature		:	No data available	9	
	Decomposition temperature		:	No data available	9
	Viscosi Visc	ty cosity, kinematic	:	No data available	9
	Explosi	ve properties	:	Not explosive	
	Oxidiziı	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	9
	Particle Particle	e characteristics e size	:	Not applicable	

#### SECTION 10. STABILITY AND REACTIVITY

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

#### 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:

#### cloxacillin:

Acute oral toxicity

: LD50 (Rat): 5.000 mg/kg

LD50 (Mouse): 5.000 mg/kg

### SAFETY DATA SHEET



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	toxicity (other routes of	f:		
admin	histration)		Application Route	e: Intramuscular
			LD50 (Mouse): 9 <sup>°</sup> Application Route	
			LD50 (Mouse): 1. Application Route	
			LD50 (Rat): 1.660 Application Route	
			LD50 (Rat): 4.200 Application Route	
_	corrosion/irritation lassified based on availa	able	information.	
<u>Comp</u>	oonents:			
_	cillin			
cloxa				
cloxa Rema		:	Not classified due	e to lack of data.
Rema Serio			on	e to lack of data.
Rema Serio Not cl	arks us eye damage/eye irr		on	e to lack of data.
Rema Serio Not cl	arks us eye damage/eye irr lassified based on availa ponents:		on	e to lack of data.
Rema Serio Not cl	arks us eye damage/eye irr lassified based on availa <u>conents:</u> cillin:		on	
IIRema Serio Not cl <u>Comp</u> cloxa IIRema	arks us eye damage/eye irr lassified based on availa <u>conents:</u> cillin:	able :	on information. Not classified due	
IIRema Serio Not cl Comp cloxa IIRema Respi Skin s	arks us eye damage/eye irr lassified based on availa <u>conents:</u> cillin: arks	able : zatic	on information. Not classified due	
IIRema Serio Not cl Comp cloxa IIRema Respi Skin s May c Respi	arks us eye damage/eye irr lassified based on availa <u>conents:</u> arks iratory or skin sensitiz sensitization	able : zatic	on information. Not classified due on	e to lack of data.
Remain Serio Composition Compo	arks <b>us eye damage/eye irr</b> lassified based on availa <u>conents:</u> <b>acillin:</b> <b>arks</b> <b>iratory or skin sensitiz</b> <b>sensitization</b> cause an allergic skin re <b>iratory sensitization</b>	able : zatic	on information. Not classified due on	e to lack of data.
Remain Serio Composition Compo	arks us eye damage/eye irr lassified based on availa <u>conents:</u> arks iratory or skin sensitiz sensitization cause an allergic skin re iratory sensitization cause allergy or asthma <u>conents:</u>	able : zatic	on information. Not classified due on	e to lack of data.
IRema Serio Not cl Comp cloxa Respi Skin s May c Respi May c Comp cloxa	arks us eye damage/eye irr lassified based on availa <u>conents:</u> cillin: arks iratory or skin sensitiz sensitization cause an allergic skin re iratory sensitization cause allergy or asthma <u>conents:</u> cillin: es of exposure ssment	able : zatic	on information. Not classified due on on. ptoms or breathing Dermal	e to lack of data.
Remain Serio Composition Compo	arks us eye damage/eye irr lassified based on availa <u>conents:</u> cillin: arks iratory or skin sensitiz sensitization cause an allergic skin re iratory sensitization cause allergy or asthma <u>conents:</u> cillin: es of exposure asment t	able : zatic	on information. Not classified due on on. optoms or breathing Dermal Probability or evic positive	e to lack of data. g difficulties if inhaled.

Not classified based on available information.



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Comp	oonents:			
cloxa	cillin:			
Genot	oxicity in vitro	:	Result: negative	rial reverse mutation assay (AMES) ation given is based on data obtained from es.
Genot	oxicity in vivo	:	Test Type: Micro Species: Mouse Result: negative Remarks: Informa similar substance	ation given is based on data obtained from
	n <b>ogenicity</b> assified based on availa	ble	information.	
Comp	oonents:			
cloxa				
Rema Repro		: ble	Not classified due	e to lack of data.
Rema Repro Not cla <u>Comp</u>	rks oductive toxicity assified based on availa oonents:	: ble		e to lack of data.
Rema Repro Not cla <u>Comp</u> cloxad	rks oductive toxicity assified based on availa oonents:	: ble :	information. Test Type: Multi- Species: Rat Application Route Fertility: NOAEL:	generation study
Rema Repro Not cla <u>Comp</u> cloxad	rks oductive toxicity assified based on availa ponents: cillin:	: ble :	information. Test Type: Multi- Species: Rat Application Route Fertility: NOAEL: Result: No effects rameters. Test Type: Devel Species: Rabbit Application Route Developmental T	generation study e: Oral 500 mg/kg body weight s on fertility., No effects on reproduction p

#### STOT-repeated exposure

Not classified based on available information.



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Repe	eated dose toxicity		
Com	ponents:		
cloxa	acillin:		
	EL cation Route sure time	: Rat : 7.000 mg/kg : Intravenous : 4 Weeks : Hypoglycemia	ı
-	ration toxicity lassified based on avail	able information.	
Expe	rience with human ex	posure	
Com	ponents:		
cloxa	acillin:		
Inhala Skin	ation contact	: Remarks: May : Symptoms: Do Remarks: May	
Eye o Inges	contact stion	: Remarks: Ma : Symptoms: M	
SECTION	12. ECOLOGICAL INF	ORMATION	
	<b>oxicity</b> ata available		
	<b>istence and degradabi</b> ata available	lity	
Bioa	ccumulative potential		
Com	ponents:		
Partit	acillin: ion coefficient: n- iol/water	: log Pow: 2,44	

Mobility in soil No data available

Other adverse effects

No data 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.



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		If not otherwise	specified: Dispose of as unused product.
ECTION	14. TRANSPORT IN	FORMATION	
Interr	national Regulations	5	
UNR Not re	<b>FDG</b> egulated as a danger	ous good	
IATA Not re	-DGR egulated as a danger	ous good	
	<b>i-Code</b> egulated as a danger	ous good	
	sport in bulk accord pplicable for product	-	POL 73/78 and the IBC Code
Dome	estic regulation		
ANTT Not re	r egulated as a danger	ous good	
-	<b>ial precautions for ι</b> pplicable	iser	
ECTION	15. REGULATORY	INFORMATION	
Safet mixtu		onmental regulations/le	gislation specific for the substance or
	nal List of Carcinoger	nic Agents for Humans -	: Not applicable
Brazil Police		ntrolled by the Federal	: Not applicable
<b>The i</b> AICS	ngredients of this p	roduct are reported in : not determined	the following inventories:
DSL		: not determined	
	С	: not determined	

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#### **Further information**

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



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

#### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose): MARPOL - International Convention for the Prevention of Pollution from Ships: n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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