SAFETY DATA SHEETS

This SDS packet was issued with item: 078946972

N/A



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SECTION	1. IDENTIFICATION			
Prod	uctname	:	Amoxicillin Trih	ydrate Paste Formulation
Man	ufacturer or supplier's	s det		
	pany name of supplier		Merck & Co., lr 126 E. Lincoln	
Emei	bhone rgency telephone il address	:	908-740-4000 1-908-423-600	-
Reco	ommended use of the	che	mical and restrie	ctions on use
Reco	mmended use	:	Veterinary proc	duct
Rest	rictions on use	:	Not applicable	
GHS				HA Hazard Communication Standard (29 CFF
	.1200) iratory sensitization	:	Category 1	
	label elements rd pictograms	:		
Signa	al Word	:	Danger	
Haza	rd Statements	:	H334 May caus difficulties if inf	se allergy or asthma symptoms or breathing naled.
Preca	autionary Statements	:	tion. Response: P304 + P341 If son to fresh air P342 + P311 If tor. Disposal:	eathing vapors. f inadequate ventilation wear respiratory protec INHALED: If breathing is difficult, remove per- and keep comfortable for breathing. experiencing respiratory symptoms: Call a doc of contents and container to an approved waste

Other hazards

None known.



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SECTION	13. COMPOSITION/INF	ORMATION ON INC	GREDIENTS				
Subs	stance / Mixture	: Mixture					
Com	ponents						
	nical name	CAS-No.	Concentration (% w/w)				
Amo	xicillin Trihydrate	61336-70-7	7 0.8				
ECTION	4. FIRST AID MEASUF	RES					
Gene	eral advice	advice immedi	accident or if you feel unwell, seek medical ately. ns persist or in all cases of doubt seek medical				
lf inha	aled	If not breathing	ove to fresh air. g, give artificial respiration. difficult, give oxygen. ttention				
In ca	se of skin contact	: Wash with wat	Wash with water and soap as a precaution. Get medical attention if symptoms occur.				
In ca	se of eye contact	: Flush eyes wit	h water as a precaution.				
lf swa	allowed	: If swallowed, I Get medical at	Get medical attention if irritation develops and persists. If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur.				
	important symptoms effects, both acute and /ed	: May cause alle ties if inhaled. Excessive exp other respirato	horoughly with water. ergy or asthma symptoms or breathing difficul- posure may aggravate preexisting asthma and pry disorders (e.g. emphysema, bronchitis, reac				
Prote	ection of first-aiders	: First Aid respo and use the re	tive airways dysfunction syndrome). 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).				
Note	s to physician		natically and supportively.				
ECTION	15. FIRE-FIGHTING ME	ASURES					
Suita	ble extinguishing media	: Water spray Alcohol-resista Carbon dioxide Dry chemical					
medi		: None known.					
Snoo	ifia hazarda durina fira		mbustion products may be a bazard to boolth				

Specific hazards during fire	:	Exposure to combustion products may be a hazard to health.

fighting Hazardous combustion prod- ucts		Carbon oxides
Specific extinguishing methods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so.

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	ial protective equipment re-fighters	:	Evacuate area. : In the event of fire, wear self-contained breathing Use personal protective equipment.				
SECTION	6. ACCIDENTAL RELE	EAS	E MEASURES				
tive e	onal precautions, protec- equipment and emer- y procedures	:	Follow safe hand	etective equipment. lling advice (see section 7) and personal nent recommendations (see section 8).			
Envir	ronmental precautions	:	Prevent spreadir oil barriers). Retain and dispo	eakage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages			
	ods and materials for ainment and cleaning up	:	For large spills, p containment to k can be pumped, container. Clean up remaini absorbent. Local or national disposal of this n employed in the determine which Sections 13 and	rt absorbent material. provide diking or other appropriate eep material from spreading. If diked materia store recovered material in appropriate ng materials from spill with suitable regulations may apply to releases and naterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding ational requirements.			
SECTION	7. HANDLING AND ST	OR	AGE				
	nical measures	:	CONTROLS/PER	measures under EXPOSURE RSONAL PROTECTION section.			
Loca	I/Total ventilation	: Use only with adequate ventilation.					

	•	CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Avoid breathing 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
		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.
Conditions for safe storage	:	Keep in properly labeled containers.
		Keep tightly closed.
		Store in accordance with the particular national regulations.



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Mate	rials to avoid	: Do not store wi Strong oxidizin Gases	th the following product types: g agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis			
Amoxicillin Trihydrate	61336-70-7		1 mg/m3 (OEB 1)	Internal			
	Further info	ormation: RSEN					
Engineering measures	 Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less 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. 						
Personal protective equipm	nent						
Respiratory protection	maintain v concentra unknown, Follow OS use NIOSI by air puri hazardous supplied r release, et circumsta	: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.					
Hand protection Material	: Chemical-	Chemical-resistant gloves					
Eyeprotection	If the work mists or a Wear a fac potential f aerosols.						
Skin and body protection Hygiene measures	: If exposur eye flushin working pl When usir Wash con The effect engineerir appropriat						

Ingredients with workplace control parameters



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			use of administra	tive controls.
SECTI	ON 9. PHYSICAL AND CHI	EMI	CAL PROPERTIE	S
Ap	opearance	:	paste	
Co	blor	:	colorless, to, whi	ite
O	dor	:	characteristic	
O	dor Threshold	:	No data availabl	e
рŀ	ł	:	No data availabl	e
M	elting point/freezing point	:	No data availabl	e
	tial boiling point and boiling nge	:	No data availabl	e
Fla	ash point	:	No data availabl	e
E١	aporation rate	:	No data availabl	e
Fla	ammability (solid, gas)	:	Not classified as	a flammability hazard
Fla	ammability (liquids)	:	No data availabl	e
	oper explosion limit / Upper ammability limit	:	No data availabl	e
	ower explosion limit / Lower ammability limit	:	No data availabl	e
Va	apor pressure	:	No data availabl	e
Re	elative vapor density	:	No data availabl	e
Re	elative density	:	No data availabl	e
De	ensity	:	No data availabl	e
So	olubility(ies) Water solubility	:	slightly soluble	
	artition coefficient: n-	:	Not applicable	
	ctanol/water utoignition temperature	:	No data availabl	e
De	ecomposition temperature	:	No data availabl	e
Vi	scosity Viscosity, kinematic	:	No data availabl	e
E>	plosive properties	:	Not explosive	



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Oxidi	zing properties	:	The substance of	or mixture is not classified as oxidizing.
Molecular weight		:	No data availab	e
Particle size		:	Not applicable	
SECTION	10. STABILITY AND	REAC	TIVITY	
Reactivity : Not classified as a re Chemical stability : Stable under norma		,		

Chemical	stability	:	Stable under normal conditions.
Possibility	of hazardous reac-	:	Can react with strong oxidizing agents.
tions			
Condition	s to avoid	:	None known.
Incompati	ble materials	:	Oxidizing agents
Hazardou	s decomposition	:	No hazardous decomposition products are known.
products			

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Components:

Amoxicillin Trihydrate:

Acute oral toxicity

: LD50 (Rat): > 8,000 mg/kg

LD50 (Mouse): > 10,000 mg/kg

LD50 (Dog): > 3,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.



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Com	ponents:			
	xicillin Trihydrate:			
Resul Rema			luse sens	sitization by inhalation. In human evidence
	cell mutagenicity lassified based on ava	ailable informa	tion.	
<u>Com</u>	<u>ponents:</u>			
	xicillin Trihydrate:	. Taat Tu		
Geno	toxicity in vitro		negative	erial reverse mutation assay (AMES)
Geno	toxicity in vivo	Specie	pe: Micro s: Mouse negative	
		Specie	pe: Rode s: Mouse negative	
Carci	nogenicity			
Not c IARC		ent of this prod	uctprese	nt at levels greater than or equal to 0.1% is confirmed human carcinogen by IARC.
OSHA		ent of this pro list of regulate		ent at levels greater than or equal to 0.1% is ogens.
NTP		•	•	nt at levels greater than or equal to 0.1% is d carcinogen by NTP.
•	oductive toxicity			
	lassified based on ava	ailable informa [.]	tion.	
-	ponents:			
	xicillin Trihydrate: ts on fertility	Specie Applica Fertility Result:	ation Rou 1: NOAEL Reduced	te: Oral .: 200 mg/kg body weight
		Specie Applica Fertility Result:	ation Rou : LOAEL Reduced	te: Oral : 500 mg/kg body weight

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Effects on fetal development		Species: R Application Developme	Development at Route: Oral ental Toxicity: NOAEL: >= 1,000 mg/kg body weig embryo-fetal toxicity.
		Species: M Application Developme Result: So based on a	Development louse a Route: Oral ental Toxicity: LOAEL: 200 mg/kg body weight me evidence of adverse effects on development, inimal experiments. Not classified due to inconclusive data.
		Species: R Application Developme Result: Re weight gair	n Route: Oral ental Toxicity: LOAEL: 200 mg/kg body weight duced embryonic survival, Reduced offspring
Not c STO	T-single exposure lassified based on avail T-repeated exposure lassified based on avail ponents:	able information.	
Not c STO ⁻ Not c <u>Com</u>	elassified based on availa F-repeated exposure elassified based on availa <u>ponents:</u> xicillin Trihydrate:	able information. able information.	
Not o STO Not o <u>Com</u> Amo Rema	elassified based on availa F-repeated exposure elassified based on availa <u>ponents:</u> xicillin Trihydrate:	able information. able information.	
Not of STO Not of Com Amo Rema	elassified based on availa F-repeated exposure elassified based on availa <u>ponents:</u> xicillin Trihydrate: arks	able information. able information.	
Not of STO Not of Com Rema Repe	elassified based on availa T-repeated exposure elassified based on availa ponents: xicillin Trihydrate: arks eated dose toxicity <u>ponents:</u> xicillin Trihydrate:	able information. able information. : Not classif	
Not of STO Not of Com Rema Repe Com Amo Spec Appli	elassified based on availa T-repeated exposure elassified based on availa ponents: xicillin Trihydrate: arks eated dose toxicity ponents: xicillin Trihydrate: ies cation Route sure time	able information. able information. : Not classif : Not classif : Oral : 6 Months	



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Expe	rience with human ex	kpos	ure	
<u>Com</u>	ponents:			
	Amoxicillin Trihydrate: Ingestion : Symptoms: Nausea, Vomiting, Abdominal pain, Diarrif Iatulence, skin rash, Breathing difficulties Remarks: May produce an allergic reaction.			
ECTION	12. ECOLOGICAL IN	FOR	-	
Ecoto	oxicity			
<u>Com</u>	ponents:			
Amo	xicillin Trihydrate:			
Toxic	ity to fish	:	Exposure time	us auratus (goldfish)): 0.035 mg/l : 96 h) Test Guideline 203
Toxic plants	ity to algae/aquatic S	:	NOEC (green a Exposure time	algae): 530 mg/l : 72 h
			EC50 (Synech 0.0022 mg/l Exposure time	ococcus leopoliensis (blue-green algae)): : 96 h
			NOEC (blue-g Exposure time	reen algae): 0.0057 mg/l : 72 h
Persi	stence and degradab	oility		
<u>Com</u>	ponents:			
	xicillin Trihydrate: egradability	:	Biodegradation Exposure time	
Bioad	ccumulative potentia	I		
<u>Com</u>	ponents:			
	xicillin Trihydrate:	:	Remarks: Bioa	accumulation is unlikely.
	ion coefficient: n- ol/water	:	log Pow: -0.12 Method: OECI	4 D Test Guideline 107
	lity in soil ata available			



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Othe	r adverse effects				
<u>Com</u>	ponents:				
Resu	Amoxicillin Trihydrate: Results of PBT and vPvB assessment		: This substance is not considered to be persistent, bioaccur lating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).		
ECTION	13. DISPOSAL CONS	DE	RATIONS		
Wast	osal methods e from residues aminated packaging	:	Empty contain handling site for	ccordance with local regulations. ers should be taken to an approved waste or recycling or disposal. e specified: Dispose of as unused product.	
SECTION	14. TRANSPORT INFO	ORM	IATION		
Interi	national Regulations				
Prope	umber er shipping name	:	N.O.S. (Amoxicillin Tr	ITALLY HAZARDOUS SUBSTANCE, LIQUID,	
Class Packi Label	ing group	:	: 9 : III : 9		
IATA UN/ID Prope		:	UN 3082 Environmental (Amoxicillin Tr	ly hazardous substance, liquid, n.o.s. ihydrate)	
Label Packi aircra	ng group s ng instruction (cargo ft)	:	9 III Miscellaneous 964		
ger ai	ing instruction (passen- rcraft) onmentally hazardous	:	964 yes		
IMDG UN ni	-Code umber er shipping name	:	UN 3082 ENVIRONMEN N.O.S.	ITALLY HAZARDOUS SUBSTANCE, LIQUID,	
Label EmS	ing group s	: : : : : : : : : : : : : : : : : : : :	(Amoxicillin Tri 9 III 9 F-A, S-F yes	nyarate)	





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Not ap	oplicable for product a	-		RPOL 73/78 and the IBC Code
Dome 49 CF	estic regulation			
UN/ID Prope Class Packin Labels ERG (/NA number er shipping name ng group S Code e pollutant		(Amoxicillin Tri 9 III CLASS 9 171 yes(Amoxicillin Above applies o liters., Shipmen	
				facilitate multi-modal transport involving ICAO

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.

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Respiratory or skin sensitization
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know

Glycerides, mixed decanoyl and octanoyl

73398-61-5

California Prop. 65

WARNING: This product can expose you to chemicals including tert-Butyl-4-methoxyphenol, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

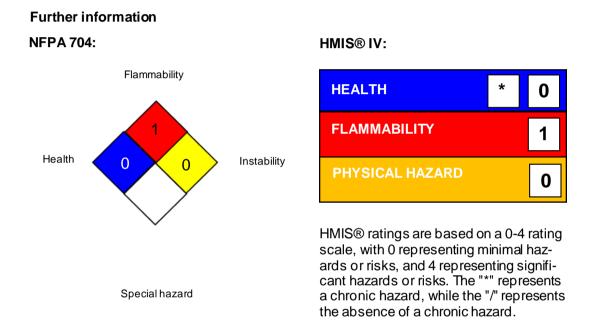
The ingredients of this product are reported in the following inventories:

AICS : not determined



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DSL	;	: not determined : not determined	

SECTION 16. OTHER INFORMATION



Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office



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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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

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

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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.

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