

## SAFETY DATA SHEET Oxacillin (sodium salt)

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Section 1. I Product Code: Product Name: Synonyms: Relevant identified uses of Relevant identified uses: Details of the Supplier of t Company Name: Web site address: Information: Emergency telephone num	bicyclo[3.2.0]heptane-2-carboxylic acid, mono f the substance or mixture and uses advised ag For research use only, not for human or vetering	he Company/Undertaking yl-4-isoxazolyl)carbonyl]amino]-7-oxo-4-thia-1-a sodium salt; Micropenin; NSC 527712; SQ1642 ainst:			
Product Code: Product Name: Synonyms: Relevant identified uses of Relevant identified uses: Details of the Supplier of the Company Name: Web site address: Information: Emergency telephone num	23954 Oxacillin (sodium salt) (2S,5R,6R)-3,3-dimethyl-6-[[(5-methyl-3-pheny bicyclo[3.2.0]heptane-2-carboxylic acid, monos <b>f the substance or mixture and uses advised ag</b> For research use only, not for human or veterin <b>he Safety Data Sheet:</b> Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com	yl-4-isoxazolyl)carbonyl]amino]-7-oxo-4-thia-1-a sodium salt; Micropenin; NSC 527712; SQ1642 ainst:			
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Relevant identified uses: Details of the Supplier of t Company Name: Web site address: Information: Emergency telephone num	<ul> <li>For research use only, not for human or vetering</li> <li>he Safety Data Sheet:</li> <li>Cayman Chemical Company</li> <li>1180 E. Ellsworth Rd.</li> <li>Ann Arbor, MI 48108</li> <li>www.caymanchem.com</li> </ul>				
Details of the Supplier of t Company Name: Web site address: Information: Emergency telephone num	he Safety Data Sheet: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com	nary use.			
Company Name: Web site address: Information: Emergency telephone num	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com				
Web site address: Information: Emergency telephone num	1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com				
Information: Emergency telephone nun	-				
Emergency telephone nun	Cayman Chemical Company				
		+1 (734)971-3335			
	nber:				
Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887			
	Section 2. Hazards Identific	ation			
Label Elements: GHS Signal Word: GHS Hazard Phrases: H334: May cause allergy of GHS Precaution Phrases: P261: Avoid breathing {du P285: In case of inadequa GHS Response Phrases	Danger or asthma symptoms or breathing difficulties if inhal s: st/fume/gas/mist/vapors/spray}. Ite ventilation wear respiratory protection.				
P342+311: If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. GHS Storage and Disposal Phrases:					
Please refer to Section 7 f Adverse Human Health Effects and Symptoms:	or Storage and Section 13 for Disposal information Material may be irritating to the mucous membrane May be harmful by inhalation, ingestion, or skin ab May cause allergy or asthma symptoms or breathi May cause eye, skin, or respiratory system irritatio To the best of our knowledge, the toxicological pro	es and upper respiratory tract. osorption. ing difficulties if inhaled. on.			
	Respiratory Sensitization Label Elements: GHS Signal Word: GHS Hazard Phrases: H334: May cause allergy of GHS Precaution Phrases P261: Avoid breathing {du P285: In case of inadequa GHS Response Phrases P304+340: IF INHALED: F P342+311: If experiencing GHS Storage and Dispose Please refer to Section 7 f Adverse Human Health	GHS Signal Word:       Danger         GHS Hazard Phrases:       Baser         H334: May cause allergy or asthma symptoms or breathing difficulties if inhal         GHS Precaution Phrases:         P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.         P285: In case of inadequate ventilation wear respiratory protection.         GHS Response Phrases:         P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a pose         P342+311: If experiencing respiratory symptoms call a POISON CENTER or         GHS Storage and Disposal Phrases:         Please refer to Section 7 for Storage and Section 13 for Disposal information         Adverse Human Health       Material may be irritating to the mucous membrane         Effects and Symptoms:       May be harmful by inhalation, ingestion, or skin ab         May cause allergy or asthma symptoms or breathing			



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	Section 3. Composition/Information on Ingredients					
CAS RTEC		Hazardous Comp REACH Registra	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification
			2.0)heptane-2-carboxylic acid, ethyl-3-phenyl-4-isoxazolecar	100.0 %	214-636-3 NA	Resp. Sens. 1: H334
			Section 4. Fi	rst Aid Measu	ures	
4.1	Descrip	otion of First Aid				
	Measur	es:				
	In Case	of Inhalation:			l respiration or giv	ve oxygen by trained personnel.
	_		Get immediate medical attent		<b>.</b> .	
	In Case	of Skin Contact:	-			5 minutes. Remove contaminated
	In Coor	of Eve Contest	clothing. Get medical attentio		-	
	in Case	e of Eye Contact:	and tested by medical persor		ater for at least 1	5 minutes. Have eyes examined
	In Case	of Ingestion:	Wash out mouth with water p		nscious. Never a	ive anything by mouth to an
	0000			-	-	ng unless directed to do so by
			medical personnel.			· · · · ·
			Section 5. Fire	Fighting Mea	asures	
5.1	Suitable	e Extinguishing	Use alcohol-resistant foam, c	arbon dioxide, wate	r, or dry chemical	spray.
	Media:		Use water spray to cool fire-e	exposed containers.		
	Unsuita	able Extinguishing	A solid water stream may be	inefficient.		
	Media:					
5.2	5.2 Flammable Properties andNo data available. Hazards:					
			No data available.			
	Flash P	't:	No data.			
	Explosi	ive Limits:	LEL: No data.	UEL: No da	ata.	
	Autoigr	nition Pt:	No data.			
5.3	Fire Fig	phting Instructions	As in any fire, wear self-conta		-	
			equivalent), and full protectiv	e gear to prevent co	ntact with skin an	d eyes.
			Section 6. Acciden	ital Release N	<b>Measures</b>	
6.1	Protect	ive Precautions,	Avoid raising and breathing	dust, and provide ad	equate ventilation	۱.
	Protect	ive Equipment an				eathing apparatus, or respirator,
	Emerge	ency Procedures:	and appropriate personal pro	otection (rubber boot	s, safety goggles	, and heavy rubber gloves).
6.2	Enviror Precaut	nmental tions:	Take steps to avoid release	into the environment	t, if safe to do so.	
6.3			r Contain spill and collect, as	appropriate.		
			gTransfer to a chemical waste		sal in accordance	with local regulations.
	Up:					<b>U</b>
			Section 7. Har	ndling and Sto	orage	
7.1	Precau	tions To Be Taken	Avoid breathing dust/fume/ga	-		
	in Hanc		Avoid prolonged or repeated			
7.2			Keep container tightly closed	-		
	in Stori		Store in accordance with info		e product insert.	
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	Secti	on 8. Exposure Controls/Personal Protection				
8.1	Exposure Parameters:					
8.2	Exposure Controls:					
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne				
	(Ventilation etc.):	evels below recommended exposure limits.				
8.2.2	Personal protection equip	ment:				
	Eye Protection:	Safety glasses				
	Protective Gloves:	Compatible chemical-resistant gloves				
	Other Protective Clothing:Lab coat					
	Respiratory Equipment	NIOSH approved respirator, as conditions warrant.				
	(Specify Type):					
	Work/Hygienic/Maintenan					
		Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.				
		Wash thoroughly after handling.				
		No data available.				
	Se	ection 9. Physical and Chemical Properties				
9.1	Information on Basic Physi	ical and Chemical Properties				
	Physical States:	[]Gas []Liquid [X]Solid				
	Appearance and Odor:	A crystalline solid				
	pH:	No data.				
	Melting Point:	No data.				
	Boiling Point:	No data.				
	Flash Pt:	No data.				
	Evaporation Rate:	No data.				
	Flammability (solid, gas):	No data available.				
	Explosive Limits:	LEL: No data. UEL: No data.				
	Vapor Pressure (vs. Air or	mm No data.				
	Hg): Vapor Density (vs. Air = 1)	No data.				
	Specific Gravity (Water = 1)					
	Solubility in Water:	No data.				
	Solubility Notes:	~10 mg/ml in PBS (pH 7.2); ~2 mg/ml in EtOH; ~16 mg/ml in DMSO; ~20 mg/ml in DMF;				
	Octanol/Water Partition	No data.				
	Coefficient:					
	Autoignition Pt:	No data.				
	Decomposition Temperatu					
	Viscosity:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & Weig					



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_	armical.							
			Section 10. Stability and	Reactivi	ty			
10.1	Reactivi	ty:	No data available.					
10.2	Stability	:	Unstable [ ] Stable [ X ]					
10.3	Stability	Note(s):	Stable if stored in accordance with information listed on the product insert.					
	Polymerization: Will occur [ ] Will not occur [ X ]							
10.4								
10.5								
	To Avoi	d:						
10.6 Hazardous carbon dioxide								
	Decomp	osition or	carbon monoxide					
	Byprodu	icts:	nitrogen oxides					
			sodium oxides					
			sulfur oxides					
			Section 11. Toxicological	Informat	ion			
11.1	Informat	ion on	The toxicological effects of this product ha	ve not been t	horoughly st	udied.		
	Toxicolo	gical Effects:	Oxacillin (sodium salt) - Toxicityb Data: Or	al TDLO (wo	man): 4560 r	ng/kg/11W (int	ermittent);	
			Intraperitoneal LD50 (rat):1500 mg/kg; Sul	bcutaneous L	D50 (rat): 39	000 ug/kg; Oral	LD50 (mouse):	
			>10 gm/kg; Subcutaneous LD50 (mouse): 2600 ug/kg; Oral LD50 (rat): 10 gm/kg;					
	Chronic	Toxicological	Oxacillin (sodium salt) - Investigated as a	drug.				
	Effects:		Only select Registry of Toxic Effects of Ch		ances (RTEC	CS) data is pre	sented here.	
			See actual entry in RTECS for complete in					
			Oxacillin (sodium salt) RTECS Number: X	H9100000				
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
117	3-88-2		(3.2.0)heptane-2-carboxylic acid, ·methyl-3-phenyl-4-isoxazolecar	n.a.	n.a.	n.a.	n.a.	
		•	Section 12. Ecological Ir	formatic	, n	*	•	
12.1	Toxicity		Avoid release into the environment.					
	-		Runoff from fire control or dilution water m	ay cause poll	ution.			
12.2	Persiste	nce and	No data available.					
	Degrada	bility:						
12.3	Bioaccu	mulative	No data available.					
	Potentia	l:						
12.4	Mobility	in Soil:	No data available.					
12.5	Results	of PBT and vPvB	No data available.					
	assessn	nent:						
12.6	Other ac	lverse effects:	No data available.					



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		Section 13. Dispos	al Considera	ations		
<b>13.1 Waste Disposal Method:</b> Dispose in accordance with local, state, and federal regulations.						
		Section 14. Trans	sport Informa	ation		
14.1 LAND	TRANSPORT (US	DOT):				
DOT Prop	er Shipping Name	: Not dangerous goods.				
DOT Haza	rd Class:					
UN/NA Nu	ımber:					
	TRANSPORT (Eur	opean ADR/RID):				
	Shipping Name:	Not dangerous goods.				
UN Numb						
Hazard Cl		1474).				
	RANSPORT (ICAO/ A Shipping Name:	Not dangerous goods.				
Additional Tra		Transport in accordance with log	cal state and fede	ral regulations		
Information:		Tansport in accordance with 100	כמו, סומוב, מווע ופעפו			
		Section 15 Degul	aton Inform	otion		
		Section 15. Regul		alion		
	-	nents and Reauthorization Act o	-	0.001.70		
CAS #	_	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
1173-88-2	acid,	o(3.2.0)heptane-2-carboxylic	No	No	No	
		-methyl-3-phenyl-4-isoxazolecar				
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA o	State Lists		
1173-88-2		o(3.2.0)heptane-2-carboxylic CAA HAP,ODC: No; CWA NPDES			No; TSCA: No; CA	
	acid,	PROP.65: No				
		-methyl-3-phenyl-4-isoxazolecar				
Regulatory Inf	formation	This SDS was prepared in accor No.1272/2008.	rdance with 29 CFF	R 1910.1200 and R	egulation (EC)	
Statement:						
		Section 16. Oth	er Informatio	on		
Revision Date	:	05/21/2018				
Additional Info	ormation About	No data available.				
This Product:						
Company Poli	cy or Disclaimer:					
		currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its				
		use. Users should make their own investigations to determine the suitability of the information for				
		their particular purposes.				

Multi-region format