

Revision: 12/05/2018 Supersedes Revision: 09/30/2014

		accord	ing to Regulation (EC) No. 1907/2006 as a	mended by (EC) No. 201E/0	20 and LIS OCUA LOS	2015	
		Section 1.	Identification of the Substar	ice/ivilxlure and of t	ine Company/Ur	ndertaking	
.1	Product		16486				
	Product		Erythromycin	-			
	Synonyı	ms:	erythromycin; NSC 5592	9;			
.2	Relevan	t identified uses	of the substance or mixture a	and uses advised ag	gainst:		
	Releva	ant identified uses	s: For research use only, no	ot for human or veter	inary use.		
.3	Details o	of the Supplier of	the Safety Data Sheet:				
	Compa	any Name:	Cayman Chemical Comp	bany			
			1180 E. Ellsworth Rd.				
	Wohs	ite address:	Ann Arbor, MI 48108 www.caymanchem.com				
	Inform		Cayman Chemical Comp	any	+1 (73)	4)971-3335	
				Jany	+1 (75-	+)97 1-0000	
.4	-	ncy telephone nu ency Contact:	CHEMTREC Within USA	and Canada:	1 (20)	0)424-9300	
	Emerg	ency contact.	CHEMTREC Outside US		-	3)527-3887	
						5,521-5001	
			Section 2. Haz	zards Identific	cation		
2.1	Classific	cation of the Subs	stance or Mixture:				
2.2	Label El	ements:					
	GHS S	ignal Word:	None				
	GHS H	lazard Phrases:					
	Based	on evaluation of c	currently available data this sub	stance or mixture is r	not classifiable ac	cording to GHS.	
	GHS Precaution Phrases:						
	No phrases apply.						
	No phr	rases apply.					
	-	rases apply. Response Phrase					
	GHS F						
	GHS F No phr	Response Phrase	s:				
	GHS F No phr GHS S	Response Phrase rases apply. Storage and Dispo	s:	Disposal informatior	۱.		
2.3	GHS F No phr GHS S Please	Response Phrase rases apply. Storage and Dispo	s: osal Phrases:	•		piratory tract.	
2.3	GHS F No phr GHS S Please Adverse	Response Phrase rases apply. Storage and Dispo e refer to Section 7	s: osal Phrases: for Storage and Section 13 for	he mucous membrar	nes and upper res	piratory tract.	
2.3	GHS F No phr GHS S Please Adverse	Response Phrase rases apply. Storage and Dispo e refer to Section 7 e Human Health	s: osal Phrases: for Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp	he mucous membrar , ingestion, or skin al iratory system irritation	nes and upper res bsorption. on.		
2.3	GHS F No phr GHS S Please Adverse	Response Phrase rases apply. Storage and Dispo e refer to Section 7 e Human Health	s: osal Phrases: for Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp	he mucous membrar , ingestion, or skin al iratory system irritation	nes and upper res bsorption. on.		
2.3	GHS F No phr GHS S Please Adverse	Response Phrase rases apply. Storage and Dispo e refer to Section 7 e Human Health and Symptoms:	s: osal Phrases: for Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp	he mucous membrar , ingestion, or skin al iratory system irritation , the toxicological pro-	nes and upper res bsorption. on. operties have not	been thoroughly investigated.	
CAS	GHS F No phr GHS S Please Adverse Effects	Response Phrase rases apply. Storage and Dispo e refer to Section 7 e Human Health and Symptoms: SeC Hazardous Com	s: for Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge tion 3. Composition ponents (Chemical Name)/	he mucous membrar , ingestion, or skin al iratory system irritation , the toxicological pro-	nes and upper res bsorption. on. operties have not on Ingrediei EC No./	been thoroughly investigated	
CAS	GHS F No phr GHS S Please Adverse Effects	Response Phrase rases apply. Storage and Dispo e refer to Section 7 e Human Health and Symptoms: SeC	s: for Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge tion 3. Composition ponents (Chemical Name)/	he mucous membrar a, ingestion, or skin al iratory system irritation a, the toxicological pro- /Information (nes and upper res bsorption. on. operties have not	been thoroughly investigated.	

Multi-region format



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		Section 4. First Aid Measures
4.1	Description of First Aid	
	Measures:	
	In Case of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
	In Case of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
	In Case of Eye Contact:	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
	In Case of Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
		Section 5. Fire Fighting Measures
5.1	Suitable Extinguishing	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.
	Media:	Use water spray to cool fire-exposed containers.
	Unsuitable Extinguishing Media:	g A solid water stream may be inefficient.
5.2	Flammable Properties an Hazards:	I d No data available.
		No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	Fire Fighting Instructions	s: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
		Section 6. Accidental Release Measures
6.1		Avoid raising and breathing dust, and provide adequate ventilation. d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
6.2	Emergency Procedures: Environmental	
6.2	Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3		r Contain spill and collect, as appropriate.
	Containment and Cleanir Up:	hgTransfer to a chemical waste container for disposal in accordance with local regulations.
		Section 7. Handling and Storage
7.1	Precautions To Be Taker	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taker	NKeep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	

Multi-region format



8.2	Exposure Controls:	
8.2.1	Engineering Controls	se process enclosures, local exhaust ventilation, or other engineering controls to control airborne
	(Ventilation etc.):	evels below recommended exposure limits.
8.2.2	Personal protection equipm	ent:
	Eye Protection: S	afety glasses
	Protective Gloves: C	compatible chemical-resistant gloves
	Other Protective Clothing:L	ab coat
	Respiratory Equipment N	IIOSH approved respirator, as conditions warrant.
	(Specify Type):	
	Work/Hygienic/Maintenan D	o not take internally.
	ce Practices: F	acilities storing or utilizing this material should be equipped with an eyewash and a safety shower
	V	/ash thoroughly after handling.
	Ν	lo data available.
	Sec	ction 9. Physical and Chemical Properties
9.1	Information on Basic Physic	
	Physical States:	[]Gas []Liquid [X]Solid
	Appearance and Odor:	A crystalline solid
	pH: Malting Daint	No data.
	Melting Point:	No data.
	Boiling Point: Flash Pt:	No data. No data.
		No data.
	Evaporation Rate:	
	Flammability (solid, gas):	No data available. LEL: No data. UEL: No data.
	Explosive Limits:	
	Vapor Pressure (vs. Air or n	
	Hg): Vapor Density (vs. Air = 1):	No data.
	,	
	Specific Gravity (Water = 1)	
	Solubility in Water:	No data.
	Solubility Notes:	~0.5 mg/ml in a 1:1 solution of EtOH:PBS (pH 7.2); ~30 mg/ml in EtOH; ~15 mg/ml in DMSO & DMF;
	Octanol/Water Partition	No data.
	Coefficient:	
	Autoignition Pt:	No data.
	Decomposition Temperatur	e: No data.
	Viscosity:	No data.
9.2	Other Information	
	Percent Volatile:	No data.
	Molecular Formula & Weigh	t: C37H67NO13 733.9



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			Section 10. Stability and	Reactivi	ity			
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.					
	Polymer	ization:	Will occur [] Will not occur [X]					
10.4	Conditio	ons To Avoid:	No data available.					
10.5	Incompa	tibility - Materials	strong oxidizing agents					
	To Avoid	d:						
10.6	Hazardous		carbon dioxide					
	Decomp	osition or	carbon monoxide					
	Byprodu	icts:	nitrogen oxides					
			Section 11. Toxicological	Informat	ion			
11.1	Informat	ion on	The toxicological effects of this product have	ve not been t	horoughly st	udied.		
	Toxicolo	gical Effects:	Erythromycin - Toxicity Data: Oral TDLO (o	child): 250 m	g/kg; Oral LD	50 (rat): 4600	mg/kg;	
			Subcutaneous LDLo (rat): 427 mg/kg; Intra	aperitoneal LI	D50 (mouse)	: 280 mg/kg; S	Subcutaneou	
			LD50 (mouse): 1800 mg/kg; Oral TDLO (h	uman): 17 m	g/kg;			
	Chronic	Toxicological	Erythromycin - Investigated as a drug, mut	-	-	-		
	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					
			Erythromycin RTECS Number: KF4375000)	-			
CAS #	<i>‡</i>	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
	07.0							
114	-07-8	(-)-Erythromycin		n.a.	n.a.	n.a.	n.a.	
114	-07-8		Section 12. Ecological Ir	•		n.a.	n.a.	
	Toxicity:		Section 12. Ecological Ir Avoid release into the environment.	•		n.a.	n.a.	
			v	formatic)n	n.a.	n.a.	
12.1		:	Avoid release into the environment.	formatic)n	n.a.	n.a.	
12.1	Toxicity: Persiste	nce and	Avoid release into the environment. Runoff from fire control or dilution water ma	formatic)n	n.a.	n.a.	
12.1 12.2	Toxicity	nce and bility:	Avoid release into the environment. Runoff from fire control or dilution water ma	formatic)n	n.a.	n.a.	
12.1 12.2	Toxicity: Persiste Degrada	nce and bility: mulative	Avoid release into the environment. Runoff from fire control or dilution water ma No data available.	formatic)n	n.a.	n.a.	
12.1 12.2 12.3	Toxicity: Persiste Degrada Bioaccu Potentia	nce and bility: mulative I:	Avoid release into the environment. Runoff from fire control or dilution water ma No data available.	formatic)n	n.a.	n.a.	
12.1 12.2 12.3 12.4	Toxicity: Persiste Degrada Bioaccu Potentia Mobility	nce and bility: mulative I: in Soil:	Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available.	formatic)n	n.a.	n.a.	
12.1 12.2 12.3 12.4	Toxicity: Persiste Degrada Bioaccu Potentia Mobility	nce and bility: mulative I: in Soil: of PBT and vPvB	Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available.	formatic)n	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5	Toxicity: Persiste Degrada Bioaccu Potentia Mobility Results assessm	nce and bility: mulative I: in Soil: of PBT and vPvB	Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available.	formatic)n	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5	Toxicity: Persiste Degrada Bioaccu Potentia Mobility Results assessm	nce and bility: mulative I: in Soil: of PBT and vPvB nent:	Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available. No data available. No data available.	I nformatic ay cause poll	DN ution.	n.a.	n.a.	
114 12.1 12.2 12.3 12.4 12.5 12.6 13.1	Toxicity: Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad	nce and bility: mulative I: in Soil: of PBT and vPvB nent: Iverse effects:	Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available. No data available. No data available. Section 13. Disposal Con	nformatic ay cause poll sideratic	Untion.	n.a.	n.a.	

Cayman

SAFETY DATA SHEET Erythromycin

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