

Revision: 08/25/2017 Supersedes Revision: 11/20/2013

	according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008					
	Section 1. Identification of the Substance/Mixture and of the Company/Undertaking					
			e company/ondertaking			
1.1	Product Code: Product Name:	11323 Sodium 4-Phenylbutyrate				
	Synonyms:	benzenebutanoic acid, monosodium salt; Benzenebutanoic acid; NSC 657802; TriButyrate;				
1.2		of the substance or mixture and uses advised aga				
	Relevant identified uses: For research use only, not for human or veterinary use.					
1.3	Details of the Supplier of	-				
	Company Name:	Cayman Chemical Company				
		1180 E. Ellsworth Rd. Ann Arbor, MI 48108				
	Web site address:	www.caymanchem.com				
	Information:	Cayman Chemical Company	+1 (734)971-3335			
1.4	Emergency telephone nu					
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300			
	Emergency contact.	CHEMTREC Outside USA and Canada:	+1 (703)527-3887			
		Section 2. Hazards Identifica				
2.1	Classification of the Subs					
2.2	Serious Eye Damage/Ey Label Elements:	ye irritation, Category 2				
	GHS Signal Word:	Warning				
	GHS Hazard Phrases:					
	H319: Causes serious eye irritation.					
	GHS Precaution Phrases:					
	P264: Wash {hands} thoroughly after handling.					
	P280: Wear {protective gloves/protective clothing/eye protection/face protection}.					
	GHS Response Phrases:					
	P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue ringing					
	to do. Continue rinsing. P337+313: If eye irritation persists, get medical advice/attention.					
	GHS Storage and Disposal Phrases:					
	Please refer to Section 7 for Storage and Section 13 for Disposal information.					
2.3	Adverse Human Health	Causes serious eye irritation.				
	Effects and Symptoms:	Material may be irritating to the mucous membrane	es and upper respiratory tract.			
	May be harmful by inhalation, ingestion, or skin absorption.					
	May cause skin or respiratory system irritation.					
		To the best of our knowledge, the toxicological pro	perties have not been thoroughly investigated.			



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		Seci	ion 3. Composition	momation	on ingreale	nts	
CAS ; RTEC		Hazardous Components (Chemical Name) REACH Registration No. Sodium 4-Phenylbutyrate		Concentration 100.0 %	EC No./ EC Index No. 605-612-7 NA	GHS Classification Eye Damage 2A: H319	
1716 CY905							
			Section 4. Fi	st Aid Measu	ires		
4.1	Descriptio Measures:	n of First Aid					
	In Case of	Inhalation:	Remove to fresh air. If not bre Get immediate medical attent		l respiration or giv	ve oxygen by trained personnel.	
	-		-	kin with soap and plenty of water for at least 20 minutes. Remove contaminate I attention if symptoms occur. Wash clothing before reuse.			
	In Case of Eye Contact: Hold eyelids apart an and tested by medica			flush eyes with plenty of water for at least 20 minutes. Have eyes examined personnel.			
	In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give unconscious person. Get medical attention. Do NOT induce vomiting medical personnel.						
			Section 5. Fire	Fighting Mea	asures		
5.1	• •		Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.				
	Unsuitable Extinguishing A solid water stream may be inefficient. Media:						
5.2	Flammable Properties andNo data available. Hazards:						
			No data available.				
	Flash Pt:		No data.				
	Explosive		LEL: No data.	UEL: No da	ita.		
	Autoignitic		No data.				
5.3	Fire Fightin	ng Instructions	: As in any fire, wear self-conta equivalent), and full protective		-		
			Section 6. Acciden	tal Release N	Neasures		
6.1	Protective	Precautions,	Avoid raising and breathing	dust, and provide ad	equate ventilatio	٦.	
	Protective	Equipment and				eathing apparatus, or respirator,	
	-	y Procedures:	and appropriate personal pro				
6.2	EnvironmentalTake steps to avoid release into the environment, if safe to do so.Precautions:						
6.3			Contain spill and collect, as a gTransfer to a chemical waste		sal in accordance	with local regulations.	
	Up:						
			Section 7 Har	dling and St			
	Up:		Section 7. Har	•	<u> </u>		
7.1	Up: Precaution		Avoid breathing dust/fume/ga	s/mist/vapours/spra	<u> </u>		
7.1	Up: Precaution in Handling	g:	Avoid breathing dust/fume/ga Avoid prolonged or repeated	s/mist/vapours/spra exposure.	<u> </u>		
7.1	Up: Precaution in Handling	g: ns To Be Taken	Avoid breathing dust/fume/ga	s/mist/vapours/spra exposure.	y.		



Page: 3 of 5

8.1		on 8. Exposure Controls/Personal Protection		
	Exposure Parameters:			
8.2	Exposure Controls:			
8.2.1		Jse process enclosures, local exhaust ventilation, or other engineering controls to control airborne		
	· · · · · · · · · · · · · · · · · · ·	evels below recommended exposure limits.		
8.2.2	· · · · · · · · · · · · · · · · · · ·			
	-	Safety glasses		
		Compatible chemical-resistant gloves		
	Other Protective Clothing:Lab coat			
	Respiratory Equipment N (Specify Type):	Diment NIOSH approved respirator, as conditions warrant.		
	Work/Hygienic/Maintenan	Do not take internally.		
	ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safe			
	V	Vash thoroughly after handling.		
	١	No data available.		
	Se	ction 9. Physical and Chemical Properties		
9.1	Information on Basic Physic	cal 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 r	nm No data.		
	Hg):			
	Vapor Density (vs. Air = 1):	No data.		
	Specific Gravity (Water = 1)			
	Solubility in Water:	No data.		
	Solubility Notes:	~5 mg/ml in PBS (pH 7.2); ~10 mg/ml in EtOH; ~1.6 mg/ml in DMSO; ~0.33 mg/ml in DMF		
	Octanol/Water Partition	No data.		
	Coefficient:			
	Autoignition Pt:	No data.		
	Decomposition Temperatur			
	Viscosity:	No data.		
9.2	Other Information			
9.2		No data.		
9.2	Percent Volatile:			



Revision: 08/25/2017 Supersedes Revision: 11/20/2013 Section 10. Stability and Reactivity 10.1 No data available. **Reactivity:** 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 No data available. **Conditions To Avoid:** 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide carbon monoxide Decomposition or **Byproducts:** Section 11. Toxicological Information 11.1 Information on The toxicological effects of this product have not been thoroughly studied. **Toxicological Effects:** CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 1716-12-7 Sodium 4-Phenylbutyrate n.a. n.a. n.a. n.a. Section 12. Ecological Information 12.1 **Toxicity:** Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 No data available. Persistence and **Degradability:** No data available. 12.3 **Bioaccumulative** Potential: No data available. 12.4 Mobility in Soil: Results of PBT and vPvB No data available. 12.5 assessment: No data available. 12.6 Other adverse effects: Section 13. Disposal Considerations Dispose in accordance with local, state, and federal regulations. 13.1 Waste Disposal Method: Section 14. Transport Information LAND TRANSPORT (US DOT): 14.1 DOT Proper Shipping Name: Not dangerous goods. DOT Hazard Class: **UN/NA Number:** LAND TRANSPORT (European ADR/RID): 14.1 ADR/RID Shipping Name: Not dangerous goods. **UN Number:** Hazard Class:



14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: N

Name: Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

Section 15. Regulatory Information

CAS # Hazardous Com		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
1716-12-7 Sodium 4-Pheny		butyrate	No	No	No	
CAS # Hazardous Com		nponents (Chemical Name) Other US EPA or State Lists				
1716-12-7 Sodium 4-Phenyl		butyrate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Inf Statement:	formation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Oth	ner Informatio	on		
Revision Date:		08/25/2017				
Additional Info	ormation About	No data available.				
This Product:						
Company Policy or Disclaimer:		DISCLAIMER: This information is believed to be accurate and represents the best information 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.				