

Revision: 07/20/2019 Supersedes Revision: 01/31/2015

-	CHEMICAL		Supersedes Revision: 01/31/2015				
		to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/83					
	Section 1. Id	entification of the Substance/Mixture and of the	ne Company/Undertaking				
.1	Product Code:	9001996					
	Product Name:	Hexadecanal					
	Synonyms:	hexadecanal; 1-Hexadecanal; Palmitaldehyde;					
.2	Relevant identified uses of the substance or mixture and uses advised against:						
	Relevant identified uses: For research use only, not for human or veterinary use.						
.3	Details of the Supplier of the Safety Data Sheet:						
	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				
.4	Emergency telephone numb	per:					
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300				
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887				
		Section 2. Hazards Identification	ation				
1	Classification of the Substa	nce or Mixture:					
	Skin Corrosion/Irritation,	Category 2					
	Serious Eye Damage/Eye	Irritation, Category 2					
	Specific Target Organ To	kicity (single exposure), Category 3					
.2	Label Elements:						
	•						
	GHS Signal Word:	Warning					
	GHS Hazard Phrases:	warning					
	H315: Causes skin irritation.						
	H319: Causes serious eye irritation.						
	H335: May cause respiratory irritation.						
	GHS Precaution Phrases:						
	P261: Avoid breathing {dust/fume/gas/mist/vapours/spray}.						
	P261: Avoid bleathing {dustrume/gas/mis/vapours/spray}. P264: Wash {hands} thoroughly after handling.						
	P204. Wash {hands} thoroughly after handling. P280: Wear {protective gloves/protective clothing/eye protection/face protection}.						
	GHS Response Phrases:						
	P302+352: IF ON SKIN: Wash with plenty of soap and water.						
	P302+352. IF ON SKIN. Wash with plenty of soap and water. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.						
	P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy						
	to do. Continue rinsing.						
	P312: Call a POISON CENTER or doctor/physician if you feel unwell.						
	P332+313: If skin irritation occurs, get medical advice/attention.						
	P337+313: If eye irritation persists, get medical advice/attention.						
	P362+364: Take off contaminated clothing and wash it before reuse.						
	GHS Storage and Disposal Phrases:						
		r Storage and Section 13 for Disposal information.					
		r otorage and occion to for Disposal information.					

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	1		SAFE	TY DATA SH	EET	Page: 2 of		
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2.3	Adverse H	luman Health	Causes serious eye irritation			Supersedes Revision: 01/31/2015		
		d Symptoms:	Causes skin irritation.					
			Material may be irritating to t			spiratory tract.		
			May be harmful by inhalation	•	bsorption.			
			May cause respiratory system		operties have not	t been thoroughly investigated.		
		Soct		.	•			
			ion 3. Composition	1		I		
CAS RTEC		EACH Registrat	onents (Chemical Name)/ ion No.	Concentration	EC No./ EC Index No.	GHS Classification		
		almitaldehyde		100.0 %	211-111-0	Skin Corr. 2: H315		
ML820	00000				NA	Eye Damage 2: H319 STOT (SE) 3: H335		
	Į		Section 4. Fi	I rst Δid Μραςι				
4.1	Descriptio	on of First Aid						
	Measures							
	In Case of	Inhalation:	Remove to fresh air. If not bro	eathing, give artificial	l respiration or giv	ve oxygen by trained personne		
			Get immediate medical attention.					
	In Case of	In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove co						
			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 examine					
	In Case of	Ingestion:	and tested by medical persor		nscious Neverai	ve anything by mouth to an		
		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 Mea	asures			
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 Media:	e Extinguishing	A solid water stream may be	inefficient.				
5.2	Flammable	e Properties and	d No data available.					
	Hazards:							
			No data available.					
	Flash Pt:		No data.					
	Explosive		LEL: No data.	UEL: No da	ita.			
	Autoigniti		No data.					
5.3	Fire Fighti	ing Instructions	: As in any fire, wear self-conta equivalent), and full protectiv		-			
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	Section 6. Accidental Release Measures					
6.1	Protective Precautions, Avoid raising and breathing dust, and provide adequate ventilation.					
	Protective Equipment and	As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,				
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).				
6.2	Environmental	Take steps to avoid release into the environment, if safe to do so.				
	Precautions:					
6.3		Contain spill and collect, as appropriate.				
	-	Transfer to a chemical waste container for disposal in accordance with local regulations.				
	Up:					
		Section 7. Handling and Storage				
7.1		Avoid breathing dust/fume/gas/mist/vapours/spray.				
		Avoid prolonged or repeated exposure.				
7.2		Keep container tightly closed.				
	in Storing:	Store in accordance with information listed on the product insert.				
	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.):	levels below recommended exposure limits.				
8.2.2	Personal protection equip	ment:				
	Eye Protection:	Safety glasses				
	Protective Gloves:	Compatible chemical-resistant gloves				
	Other Protective Clothing:	othing:Lab coat				
	Respiratory Equipment	NIOSH approved respirator, as conditions warrant.				
	(Specify Type):					
		k/Hygienic/Maintenan Do not take internally.				
		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	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. LEL: No data. UEL: No data.				
	Explosive Limits:					
	Vapor Pressure (vs. Air or Hg):	mm No data.				
	Vapor Density (vs. Air = 1)	No data.				
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	Specific Gravity (Water =	1): No data.						
	Solubility in Water:	No data.						
	Solubility Notes:	~0.3 mg/ml in	~0.3 mg/ml in a 1:2 solution of EtOH:PBS (pH 7.2); ~30 mg/ml in EtOH & DMF; ~10 mg/ml					
		in DMSO;						
	Octanol/Water Partition	No data.						
	Coefficient:							
	Autoignition Pt:	No data.						
	Decomposition Temperat	ure: No data.						
	Viscosity:	No data.						
9.2	Other Information							
	Percent Volatile:	No data.						
	Molecular Formula & Wei	ght: C16H32O	240.4					
		-	Stability and	Reactivit	V			
10.1	Reactivity:	No data available.	y		, 			
10.2	Stability:	Unstable [] Stab	ole [X]					
10.3	Stability Note(s):	Stable if stored in acc	ordance with information	tion listed on t	he product i	nsert.		
	Polymerization:	Will occur [] Wil	I not occur [X]					
10.4	Conditions To Avoid:	No data available.						
10.5	Incompatibility - Materials	strong oxidizing agent	S					
	To Avoid:	5 5 5						
10.6	Hazardous	carbon dioxide						
	Decomposition or	carbon monoxide						
	Byproducts:							
		Contine 11	Taviaglagiagl	loform oti				
<u> </u>			Toxicological					
11.1	Information on	The toxicological effect	-					
	Toxicological Effects:		xadecanal - Toxicity Data: Intraperitoneal LD50 (mouse): 2,000 mg/kg;					
	Chronic Toxicological Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is pres		sented here.					
	Effects: See actual entry in RTECS for complete information.							
	1	Hexadecanal RTECS	Number: ML820000)				
CAS #	# Hazardous Com	ponents (Chemical Na	ame)	NTP	IARC	ACGIH	OSHA	
629	-80-1 Palmitaldehyde			n.a.	n.a.	n.a.	n.a.	
		Section 12.	. Ecological In	formatior	า			
12.1	Toxicity:	Avoid release into the	environment.					
		Runoff from fire control	ol or dilution water ma	ay cause pollu	tion.			
12.2	Persistence and	No data available.						
	Degradability:							
12.3	Bioaccumulative	No data available.						
	Potential:							
12.4	Mobility in Soil:	No data available.						
12.5	Results of PBT and vPvB	No data available.						
	assessment:							
12.6	Other adverse effects:	No data available.						
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			Section 13. Dispos	al Considerat	ions			
3.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.								
			Section 14. Trans	sport Informat	ion			
14.1 LAND TRANSPORT (US DOT):								
DOT Proper Shipping Name: DOT Hazard Class:			Not dangerous goods.					
	V/NA Nur							
14.1 LAND TRANSPORT (European ADR/RID):			opean ADR/RID):					
AD		hipping Name:	Not dangerous goods.					
UN Number:								
На	azard Cla	ss:						
14.3	AIR TR	ANSPORT (ICAO/	IATA):					
IC	ΑΟ/ΙΑΤΑ	Shipping Name:	Not dangerous goods.					
	onal Tra	n sport	Transport in accordance with lo	cal, state, and federa	l regulations.			
Inform	nation:							
			Section 15. Regul	atory Informat	tion			
EPA S	SARA (Su	perfund Amendm	nents and Reauthorization Act of	of 1986) Lists				
CAS #	ŧ	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
629-	-80-1	Palmitaldehyde		No	No	No		
CAS #	ŧ	Hazardous Com	ponents (Chemical Name) Other US EPA or State Lists					
629-	-80-1	Palmitaldehyde		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory: Active; CA PROP.65: No				
Regula	atory Info	ormation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)					
Statem	nent:		No.1272/2008.					
			Section 16. Oth	ner Information	า			
Revisio	on Date:		07/20/2019					
Additic	onal Info	rmation About	No data available.					
This Pi	roduct:							
Compa	any Polic	y 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.					