

Revision: 08/13/2018 Supersedes Revision: 02/05/2015

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015									
		Section 1. Ic	lentification of the Substan	nce/Mixture and of t	he Company/Ur	ndertaking			
1.1	1   Product Code:   63180     Product Name:   DMAPP (ammonium salt)     Synonyms:   3-methyl-2-butenyl-1-diphosphoric acid, triammonium salt; Dimethylallyl Pyrophosphate;								
1.2	Relevan	t identified uses of	the substance or mixture a	ind uses advised ag	jainst:				
	Relevant identified uses: For research use only, not for human or veterinary use.								
1.3		of the Supplier of th any Name:	e Safety Data Sheet: Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	any					
	Web s	ite address:	www.caymanchem.com						
	Inform	ation:	Cayman Chemical Comp	any	+1 (734	+1 (734)971-3335			
1.4	Emerge	ncy telephone num	ber:						
	Emerg	ency Contact:	CHEMTREC Within USA		•	+1 (800)424-9300 +1 (703)527-3887			
			CHEMTREC Outside US			3)527-3887			
			Section 2. Haz	zards Identific	ation				
2.1		cation of the Substa	ance or Mixture:						
2.2	Label El	ements:							
		ignal Word:	None						
		lazard Phrases:							
			rently available data this subs	stance or mixture is r	not classifiable ac	cording to GHS.			
		Precaution Phrases:							
	-	rases apply.							
		Response Phrases:							
	-	rases apply. Storage and Dispos							
		•	or Storage and Section 13 for	Disposal information					
2.3			Material may be irritating to the	-		niratory tract			
2.0			May be harmful by inhalation						
			May cause eye, skin, or resp	-	-				
			To the best of our knowledge	e, the toxicological pro	operties have not	been thoroughly investigated.			
		Section	on 3. Composition	/Information c	on Ingredier	nts			
CAS RTE		Hazardous Compo REACH Registratio	onents (Chemical Name)/ on No.	Concentration	EC No./ EC Index No.	GHS Classification			
1186-30-7 DMAPP (ammonium s		DMAPP (ammonium s	alt)	100.0 %	NA	No data available.			
NA	NA NA								



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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:	a A solid water stream may be inefficient.
5.2	Flammable Properties an Hazards:	I <b>d</b> 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	<b>s:</b> 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	Protective Precautions, Protective Equipment an	Avoid raising and breathing dust, and provide adequate ventilation. d 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 Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3	Methods and Material Fo	r Contain spill and collect, as appropriate.
	Containment and Cleanir	ngTransfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taken	Keep 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:	

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	NEMICAL	Supersedes Revision: 02/05/2015					
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 equipment:						
	Eye Protection:	Safety glasses					
	Protective Gloves:	Compatible chemical-resistant gloves					
	Other Protective Clothing:Lab coat						
	<b>Respiratory Equipment</b>	NIOSH approved respirator, as conditions warrant.					
	(Specify Type):	pecify Type):					
	Work/Hygienic/Maintenar	Work/Hygienic/Maintenan Do not take internally.					
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a sa					
		shower.					
		Wash thoroughly after handling.					
		No data available.					
	S	ection 9. Physical and Chemical Properties					
9.1	Information on Basic Phy	sical and Chemical Properties					
	Physical States:	[]Gas []Liquid [X]Solid					
	Appearance and Odor:	A crystalline solid					
	pH:	No data.					
	Melting Point:	No data.					
	<b>Boiling Point:</b>	No data.					
	Flash Pt:	No data.					
	Evaporation Rate:	No data.					
	Flammability (solid, gas):	No data available.					
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	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):	No data.				
	Solubility in Water:	~ 25 mg/ml				
	Solubility Notes:	~ 2 mg/ml in MeOH:10 mM NH4OH (7:3);				
	Octanol/Water Partition	No data.				
	Coefficient:					
	Autoignition Pt:	No data.				
	Decomposition Temperature:	No data.				
	Viscosity:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & Weight:	C5H12O7P2 · 3(NH4)	300.2			

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			Section 10. Stability and	Reactiv	/ity				
10.1	Reactivi	ity:	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.						
	Polyme	rization:	Will occur [ ] Will not occur [ X ]						
10.4	Conditio	ons To Avoid:	No data available.						
10.5	Incompa	atibility - Materials	<b>s</b> No data available.						
	To Avoi	d:							
10.6	Hazardo	bus	No data available.						
	Decomp	position or							
	Byprodu	ucts:							
			Section 11. Toxicological	Informa	tion				
11.1	Informa	tion on	The toxicological effects of this product ha	ve not been	thoroughly stu	died.			
	Toxicolo	ogical Effects:							
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
118	36-30-7	DMAPP (ammon	ium salt)	n.a.	n.a.	n.a.	n.a.		
			Section 12. Ecological Ir	nformati	on				
12.1	Toxicity	:	Avoid release into the environment.						
			Runoff from fire control or dilution water m	ay cause po	ollution.				
12.2	Persiste	ence and	No data available.						
	Degrada	ability:							
12.3	Bioaccu	Imulative	No data available.						
	Potentia	al:							
12.4	Mobility	in Soil:	No data available.						
12.5	Results	of PBT and vPvB	No data available.						
	assessn	nent:							
12.6	Other ad	dverse effects:	No data available.						
			Section 13. Disposal Con	siderati	ons				
13.1	Waste D	Disposal Method:	Dispose in accordance with local, state, ar	nd federal re	gulations.				
			Section 14. Transport Ir	nformati	on				
14.1	LAND T	RANSPORT (US	DOT):						
D	OT Prope	er Shipping Name	Not dangerous goods.						
D	OT Hazar	d Class:							
U	IN/NA Nur	mber:							
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):						
A	DR/RID S	hipping Name:	Not dangerous goods.						
U	IN Numbe	er:							
н	lazard Cla	ISS:							
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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

Not dangerous goods.
Transport in accordance with local, state, and federal regulations.

Additional Transport Information:

### Section 15. Regulatory Information

CAS # Hazardous Com		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
1186-30-7	DMAPP (ammonium salt)		No	No	No	
CAS # Hazardous Com		ponents (Chemical Name)	I Name) Other US EPA or State Lists			
1186-30-7	B6-30-7 DMAPP (ammonium salt)		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Inf Statement:	formation	This SDS was prepared in acco No.1272/2008.	rdance with 29 CFR	1910.1200 and Regu	lation (EC)	
		Section 16. Oth	er Informatio	n		
Revision Date:		08/13/2018				
Additional Information 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.				