

Revision: 09/30/2016

				ice/Mixture and of			
						5	
.1	Product Product		20464 TAE-1				
	Synony			6-trivitrie(0xy-4-1-ph	envlenecarbonvlo	oxy)]tris[N,N,N-trimethyl-ethana	
	Synony		nium]triiodide;	0-mynns(0xy-4,1-pn	lenylenecarbonyle	, wy jju stra, w, w-u in euryr-euranai	
.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:				
	Comp	any Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd.	any			
	Mark -	the end descent	Ann Arbor, MI 48108				
		ite address:	www.caymanchem.com		. 4 /70	4)074 2225	
	Inform		Cayman Chemical Comp	bany	+1 (73	4)971-3335	
.4	-	ncy telephone numb					
	Emerg	gency Contact:	CHEMTREC Within USA CHEMTREC Outside US			0)424-9300	
			CHEMTREC Outside US	A and Canada:	+1 (70	3)527-3887	
2.1 2.2	Label E GHS S	cation of the Substar lements: Signal Word: Hazard Phrases:	Section 2. Haz	zards Identifi			
	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposa e refer to Section 7 for e Human Health M and Symptoms: M M T	nce or Mixture: None ently available data this subs Phrases: Storage and Section 13 for laterial may be irritating to th lay be harmful by inhalation lay cause eye, skin, or respion o the best of our knowledge	stance or mixture is Disposal informatio he mucous membra , ingestion, or skin a iratory system irritat e, the toxicological pr	not classifiable ac n. nes and upper res absorption. ion. roperties have not	spiratory tract. t been thoroughly investigated.	
2.2	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers Effects	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposa e refer to Section 7 for e Human Health M and Symptoms: M M T Sectio	None None ently available data this subs I Phrases: Storage and Section 13 for laterial may be irritating to th lay be harmful by inhalation lay cause eye, skin, or respi o the best of our knowledge n 3. Composition	stance or mixture is Disposal informatio he mucous membra , ingestion, or skin a iratory system irritat e, the toxicological pr	not classifiable ac n. nes and upper res absorption. ion. roperties have not	spiratory tract. t been thoroughly investigated.	
2.2	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers Effects	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposa e refer to Section 7 for e Human Health M and Symptoms: M M T Sectio	None None ently available data this subs Phrases: Storage and Section 13 for laterial may be irritating to the lay be harmful by inhalation lay cause eye, skin, or respination of the best of our knowledge n 3. Composition	stance or mixture is Disposal informatio he mucous membra , ingestion, or skin a iratory system irritat a, the toxicological pu /Information	not classifiable ac n. nes and upper res absorption. ion. roperties have not	spiratory tract. t been thoroughly investigated. <b>nts</b>	
2.2 2.3 CAS ; RTEC	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers Effects	lements: Signal Word: Hazard Phrases: I on evaluation of currer Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposate e refer to Section 7 for e Human Health M and Symptoms: M T Sectio Hazardous Compored	None None ently available data this subs Phrases: Storage and Section 13 for laterial may be irritating to the lay be harmful by inhalation lay cause eye, skin, or respination of the best of our knowledge n 3. Composition	stance or mixture is Disposal informatio he mucous membra , ingestion, or skin a iratory system irritat a, the toxicological pu /Information	not classifiable ac n. nes and upper res absorption. ion. roperties have not <b>on Ingredie</b> EC No./	spiratory tract. t been thoroughly investigated. <b>nts</b>	



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			Section 4	<ol> <li>First Aid Measure</li> </ol>	es		
4.1	1 Description of First Aid						
	Measures	:					
	In Case of	Inhalation:	Remove to fresh air. It Get immediate medica	f not breathing, give artificial re al attention.	espiration or give oxygen by	trained personnel.	
	In Case of	Skin Contact:	-	n with soap and plenty of wate attention if symptoms occur. W		move contaminated	
	In Case of	Eye Contact:	Hold eyelids apart and and tested by medical	d flush eyes with plenty of wate personnel.	er for at least 15 minutes. Ha	ve eyes examined	
	In Case of	Ingestion:		water provided person is cons Get medical attention. Do NOT	• • •	•	
			Section 5.	Fire Fighting Meas	ures		
5.1	Suitable E	xtinguishing	Use alcohol-resistant	foam, carbon dioxide, water, c	or dry chemical spray.		
	Media:		Use water spray to co	ool fire-exposed containers.			
	Unsuitable	e Extinguishing	A solid water stream	may be inefficient.			
	Media:						
5.2	Flammabl	e Properties an	<b>d</b> No data available.				
	Hazards:						
			No data available.				
	Flash Pt:		No data.				
	Explosive	Limits:	LEL: No data.	UEL: No data.			
	Autoigniti	on Pt:	No data.				
5.3	Fire Fighti	ing Instructions	s: As in any fire, wear se	elf-contained breathing appara	tus pressure-demand (NIOS	H approved or	
	equivalent), and full protective gear to prevent contact with skin and eyes.						
			Section 6. Ac	cidental Release Me	easures		
6.1		Precautions,	-	eathing dust, and provide adeq			
	Protective	Equipment and		t, wear a NIOSH approved sel			
	Emergenc	y Procedures:	and appropriate pers	onal protection (rubber boots,	safety goggles, and heavy ru	ubber gloves).	
6.2	Environm	ental	Take steps to avoid r	elease into the environment, if	safe to do so.		
	Precautions:						
6.3	Methods and Material For Contain spill and collect, as appropriate. Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.						
		ent and Cleanin	ng Transfer to a chemica	al waste container for disposal	in accordance with local reg	julations.	
	Up:						
	Section 7. Handling and Storage						
7.1							
	in Handlin	ig:	Avoid prolonged or re	peated exposure.			
7.2							
	in Storing: Store in accordance with information listed on the product insert.						
		Sec	tion 8. Exposu	re Controls/Persona	al Protection		
8.1	Exposure	Parameters:					
CAS	#P	artial Chemical	Name	Britain EH40	France VL	Europe	
14144	469-59-2 T	AE-1		No data.	No data.	No data.	
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Multi-region format



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CAS #	¥	Partial Chemica	Name	OSHA TWA	ACGIH TWA	Other Limits
14144	69-59-2	TAE-1		No data.	No data.	No data.
8.2	Exposur	e Controls:		<b>I</b>	+	+
8.2.1	.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control a (Ventilation etc.): levels below recommended exposure limits.					ontrols to control airborr
8.2.2			-			
	Eye Pro	ve Gloves:	Safety glasses	registent gloves		
			Compatible chemical	resistant gloves		
		rotective Clothing tory Equipment / Type):	-	pirator, as conditions warra	ant.	
	Work/Hy	ygienic/Maintena	n Do not take internally			
	ce Pract	tices:	Facilities storing or ut	ilizing this material should	be equipped with an eye	wash and a safety show
			Wash thoroughly afte	r handling.		
			No data available.			
		S	ection 9 Phys	ical and Chemica	al Properties	
9.1	Informat					
J. I		Ion on Basic Phy Il States:	sical and Chemical Pr [ ] Gas [	] Liquid [X] Solid		
	-	ance and Odor:	A solid			
	Melting		No data.			
	Boiling		No data.			
	Flash Pt		No data.			
		ation Rate:	No data.			
	=	bility (solid, gas)	: No data availa	able.		
		ve Limits:	LEL: No data	. UE	L: No data.	
	Vapor P	ressure (vs. Air c	or mm No data.			
	Hg):					
	Vapor D	ensity (vs. Air = <sup>·</sup>	1): No data.			
	Specific	Gravity (Water =	<b>1):</b> No data.			
	Solubili	ty in Water:	No data.			
	Solubili	ty Notes:	Soluble in: wa	iter;		
	Autoign	ition Pt:	No data.			
9.2	Other Inf	formation				
	Percent	Volatile:	No data.			
	Molecul	ar Formula & We	ight: C39H51N6O9	• 3l		
			Section 10	. Stability and Re	activity	
10.1	Reactivi	-	No data available.			
10.2	Stability			ble [ X ]		
10.3	-	/ Note(s):		cordance with information I	isted on the product inser	t.
	Polyme	rization:	Will occur [ ] Wi	ll not occur [ X ]		
10.4		ons To Avoid:	No data available.			
10.5	-	-	s strong oxidizing agen	ts		
	To Avoi	d:				
10.6	Hazardo		carbon dioxide			
	Decomp	osition or	carbon monoxide			



## SAFETY DATA SHEET TAE-1

Section 11. Toxicological Information           Section 11. Toxicological Information           The toxicological effects of this product have not been thoroughly studied.           Toxicological Effects:           CAS # Hazardous Components (Chemical Name)         NTP         IARC         ACGIH         OSHA           Section 12. Ecological Information           Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.           12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.           12.2 Persistence and No data available. Degradability:           12.3 Bioaccumulative No data available.           Section 13. Disposal Considerations           12.4 Mobility in Soil: No data available.           Section 13. Disposal Considerations           Section 14. Transport Information           14.1 LAND TRANSPORT (US DOT): DOT Proper Shipping Name: Not dangerous goods.           DOT Hazard Class: UN/NA Number:           Hazard Class:           UN dangerous goods.           Loc Proper Shipping Name: Not dangerous goods.           Cotion 15. Regulatory Information	Byproducts:		hydrogen iodide				
Information on The toxicological effects of this product have not been thoroughly studied.         Toxicological Effects:         CAS #       Hazardous Components (Chemical Name)       NTP       IARC       ACGIH       OSHA         1414469-59-2       TAE-1       n.a.			nitrogen oxides				
Toxicological Effects:         AS #       Hazardous Components (Chemical Name)       NTP       IARC       ACGIH       OSHA         414469-59-2       TAE-1       n.a.       N.a. <td></td> <td colspan="6">Section 11. Toxicological Information</td>		Section 11. Toxicological Information					
414469:59:2       TAE:1       n.a.       N.a. <td></td> <td colspan="6"></td>							
Section 12. Ecological Information         1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.         2.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.         2.2 Persistence and No data available. Degradability:         2.3 Bioaccumulative No data available.         Potential:         2.4 Mobility in Soil: No data available.         2.5 Results of PBT and vPvB No data available.         assessment:         2.6 Other adverse effects: No data available.         Section 13. Disposal Considerations         3.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.         Section 14. Transport Information         14.1 LAND TRANSPORT (US DOT):         DOT Proper Shipping Name: Not dangerous goods.         UNNA Number:         Hazard Class:         UNNA Ramber: Ital CAO/ATA Shipping Name: Not dangerous goods.         UNNA Transport Incordance with local, state, and federal regulations.         ICAO/ATA Shipping Name: Not dangerous goods.         UNNA Ramber: Ital CAO/ATA Shipping Name: Not dangerous goods.         UNNA Transport Incor	CAS #	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
2.1       Toxicity:       Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.         2.2       Persistence and Degradability:       No data available. Degradability:         2.3       Bioaccumulative No data available.         Potential:       No data available.         2.4       Mobility in Soil:       No data available.         2.5       Results of PBT and vPvB No data available. assessment:       2.6         2.6       Other adverse effects:       No data available.         Section 13. Disposal Considerations         3.1       Waste Disposal Method:       Dispose in accordance with local, state, and federal regulations.         Section 14. Transport Information         4.1         AND TRANSPORT (US DOT):         DOT Proper Shipping Name: Not dangerous goods.         UN/NA Number:         4.1         LAND TRANSPORT (European ADR/RID):         ADR/RID Shipping Name: Not dangerous goods.         UN/NA Number:         4.3         A AR TRANSPORT (ECA0/IATA):         ICA0/IATA Shipping Name: Not dangerous goods.         Uditional Transport         Transport in accordance with	414469-59-2	TAE-1		n.a.	n.a.	n.a.	n.a.
2.1       Toxicity:       Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.         2.2       Persistence and Degradability:       No data available. Degradability:         2.3       Bioaccumulative No data available.         Potential:       No data available.         2.4       Mobility in Soil:       No data available.         2.5       Results of PBT and vPvB       No data available.         2.6       Other adverse effects:       No data available.         2.6       Other adverse effects:       No data available.         Section 13. Disposal Considerations         Section 14. Transport Information         4.1         Auster Disposal Method:       Dispose in accordance with local, state, and federal regulations.         Section 14. Transport Information         4.1       LAND TRANSPORT (US DOT):         DOT Proper Shipping Name:       Not dangerous goods.         UNNA Number:         4.1       LAND TRANSPORT (European ADR/RID):         ADR/RID Shipping Name:       Not dangerous goods.         UNNA Number:         4.3       AR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name:			Section 12. Ecolo	ogical Inform	nation	ł	ł
2.2       Persistence and No data available.         Degradability:       No data available.         2.3       Bioaccumulative No data available.         Potential:       No data available.         2.4       Mobility in Soil: No data available.         2.5       Results of PBT and vPvB No data available.         2.5       Results of PBT and vPvB No data available.         2.5       Results of PBT and vPvB No data available.         2.6       Other adverse effects: No data available.         2.7       Section 13. Disposal Considerations         3.1       Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.         DOT Proper Shipping Name: Not dangerous goods.       UN/NA Number:         4.1       LAND TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name: Not dangerous goods.       Interpreting additional Transport         In CAO/IATA Shipping Name: Not dangerous goods.       Interpreting additions.         If dadgetous goods.       Interpreting additione	2.1 Toxicity	:		<u> </u>			
Degradability:         2.3       Bioaccumulative       No data available.         Potential:       No data available.         2.4       Mobility in Soil:       No data available.         assessment:       2.5         2.6       Other adverse effects:       No data available.         2.7       Section 13. Disposal Considerations         3.1       Waste Disposal Method:       Dispose in accordance with local, state, and federal regulations.         Section 14. Transport Information         4.1       LAND TRANSPORT (US DOT):       DOT Proper Shipping Name:       Not dangerous goods.         DOT Proper Shipping Name:       Not dangerous goods.       UNNA Number:         4.1       LAND TRANSPORT (European ADR/RID):       ADR/RID Shipping Name:       Not dangerous goods.         UN Number:       Hazard Class:	-		Runoff from fire control or diluti	on water may caus	se pollution.		
2.3       Bioaccumulative       No data available.         Potential:       No data available.         2.4       Mobility in Soil:       No data available.         2.5       Results of PBT and vPvB       No data available.         assessment:       2.6         Other adverse effects:       No data available.         Section 13. Disposal Considerations         3.1       Waste Disposal Method:         Dispose in accordance with local, state, and federal regulations.         Section 14. Transport Information         4.1       LAND TRANSPORT (US DOT):         DOT Proper Shipping Name:       Not dangerous goods.         DOT Hazard Class:       UN/NA Number:         4.1       LAND TRANSPORT (European ADR/RID):         ADDR/RID Shipping Name:       Not dangerous goods.         UN Number:       Hazard Class:         4.3       Alf RTRANSPORT (ICA0/IATA):         ICA0/IATA Shipping Name:       Not dangerous goods.         votiditional Transport       Transport in accordance with local, state, and federal regulations.         iformation:       Section 15. Regulatory Information         SPAS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         A14469-59-2       TAE-1	2.2 Persiste	ence and	No data available.				
Potential:       No data available.         2.5       Results of PBT and vPvB No data available.         assessment:       Section 13. Disposal Considerations         2.6       Other adverse effects: No data available.         Section 13. Disposal Considerations         Section 13. Disposal Considerations         Section 14. Transport Information         Auste Disposal Method: Dispose in accordance with local, state, and federal regulations.         DOT Proper Shipping Name: Not dangerous goods.         DOT Proper Shipping Name: Not dangerous goods.         DOT Proper Shipping Name: Not dangerous goods.         UNNA Number:         Hazard Class:         ADR/RID Shipping Name: Not dangerous goods.         UN Number:         Hazard Class:         4.3 AIR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name: Not dangerous goods.         Iditional Transport in accordance with local, state, and federal regulations.         Attangent in accordance with local, state, and federal regulations.         Internation         Calditional Transport in accordance with local, state, and federal regulations.         Internation Act of 1986) Lists	Degrada	ability:					
2.4       Mobility in Soil:       No data available.         2.5       Results of PBT and vPvB       No data available.         assessment:       2.6       Other adverse effects:       No data available.         3.1       Waste Disposal Method:       Dispose in accordance with local, state, and federal regulations.         Section 13. Disposal Considerations         Section 14. Transport Information         4.1       LAND TRANSPORT (US DOT):         DOT Proper Shipping Name:       Not dangerous goods.         DOT Proper Shipping Name:       Not dangerous goods.         UN/NA Number:         4.1       LAND TRANSPORT (European ADR/RID):         ADR/RID Shipping Name:       Not dangerous goods.         UN Number:         Hazard Class:         4.3       AIR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name:       Not dangerous goods.         diditional Transport in accordance with local, state, and federal regulations.         Mot dangerous goods.         diditional Transport         Transport in accordance with local, state, and federal regulations.         Mot dangerous goods.         didi	2.3 Bioaccu	Imulative	No data available.				
2.5 Results of PBT and vPvB No data available. assessment: 2.6 Other adverse effects: No data available. Section 13. Disposal Considerations 3.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Section 14. Transport Information 4.1 LAND TRANSPORT (US DOT): DOT Proper Shipping Name: Not dangerous goods. DOT Hazard Class: UN/NA Number: 4.1 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Not dangerous goods. UN Number: Hazard Class: 4.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Not dangerous goods. dditional Transport in accordance with local, state, and federal regulations. formation: PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists AS # Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ S. 313 (TRI) 414469-59-2 TAE-1 No No No No	Potentia	al:					
assessment:         Section 13. Disposal Considerations         Section 13. Disposal Considerations         Image: Section 13. Disposal Considerations         Section 14. Transport Information         Automation Addression 2005.         DOT Proper Shipping Name: Not dangerous goods.         UN/NA Number:         Hazard Class:         ADR/RID Shipping Name: Not dangerous goods.         UN duagerous goods.         Colopidation Transport in accordance with local, state, and federal regulations.         Idditional Transport         Transport in accordance with local, state, and federal regulations.         Idditional Transport         Section 15. Regulatory Information         AsAr (Superfund Amendments and Reauthorization Ac	2.4 Mobility	in Soil:	No data available.				
Solution       Section 13. Disposal Considerations         Section 13. Disposal Considerations         Section 13. Disposal Considerations         Section 14. Transport Information         Automation         Calcon 15. Regulatory Information         Calcon 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         Ast Hazardous Components (Chemical Name)       S. 302 (EHS)	2.5 Results	of PBT and vPvB	No data available.				
Section 13. Disposal Considerations         Section 14. Transport Information         Section 14. Transport Information         Automation         Automation         Automation         Automation         Automation         Automation         Automation         Automation         Automation 14. Transport Information         Automation 14. Transport Information         Automation         Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         As #       Nate and Class:         As #       Nate and Reauthorization Act of 1986) Lists         As #       Nate and Cl	assessr	nent:					
1       Waste Disposal Method:       Dispose in accordance with local, state, and federal regulations.         Section 14. Transport Information         4.1       LAND TRANSPORT (US DOT):         DOT Proper Shipping Name:       Not dangerous goods.         DOT Hazard Class:       UN/NA Number:         4.1       LAND TRANSPORT (European ADR/RID):         ADR/RID Shipping Name:       Not dangerous goods.         UN Number:       Hazard Class:         4.3       AIR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name:       Not dangerous goods.         dditional Transport       Transport in accordance with local, state, and federal regulations.         iformation:       Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists       414469-59-2         414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	2.6 Other ad	dverse effects:	No data available.				
.1       Waste Disposal Method:       Dispose in accordance with local, state, and federal regulations.         Section 14. Transport Information         4.1       LAND TRANSPORT (US DOT):         DOT Proper Shipping Name:       Not dangerous goods.         DOT Hazard Class:       UN/NA Number:         4.1       LAND TRANSPORT (European ADR/RID):         ADR/RID Shipping Name:       Not dangerous goods.         UN Number:       Hazard Class:         Hazard Class:       Not dangerous goods.         UN Number:       Hazard Class:         4.3       AIR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name:       Not dangerous goods.         dditional Transport       Transport in accordance with local, state, and federal regulations.         formation:       Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists       AS #         AS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists         414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA			Section 13. Dispos	sal Conside	rations		
4.1       LAND TRANSPORT (US DOT):         DOT Proper Shipping Name:       Not dangerous goods.         DOT Hazard Class:       UN/NA Number:         4.1       LAND TRANSPORT (European ADR/RID):         ADR/RID Shipping Name:       Not dangerous goods.         UN Number:       Hazard Class:         Hazard Class:       Not dangerous goods.         UN Number:       Hazard Class:         4.3       AIR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name:       Not dangerous goods.         dditional Transport       Transport in accordance with local, state, and federal regulations.         iformation:       Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         AS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No       No         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists       414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	3.1 Waste D	)isposal Method:	•				
DOT Proper Shipping Name:       Not dangerous goods.         DOT Hazard Class:       UN/NA Number:         4.1       LAND TRANSPORT (European ADR/RID):         ADR/RID Shipping Name:       Not dangerous goods.         UN Number:       Hazard Class:         4.3       AIR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name:       Not dangerous goods.         dditional Transport       Transport in accordance with local, state, and federal regulations.         iformation:       Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         AS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No       No         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists       414469-59-2       TAE-1         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists       414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA			Section 14. Trar	sport Inform	nation		
DOT Proper Shipping Name:       Not dangerous goods.         DOT Hazard Class:       UN/NA Number:         4.1       LAND TRANSPORT (European ADR/RID):         ADR/RID Shipping Name:       Not dangerous goods.         UN Number:       Hazard Class:         4.3       AIR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name:       Not dangerous goods.         dditional Transport       Transport in accordance with local, state, and federal regulations.         iformation:       Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         AS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No       No         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists       414469-59-2       TAE-1         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists       414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	4.1 I AND T	RANSPORT (US I	)OT):	-			
DOT Hazard Class: UN/NA Number: 4.1 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Not dangerous goods. UN Number: Hazard Class: 4.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Not dangerous goods. dditional Transport in accordance with local, state, and federal regulations. iformation: Section 15. Regulatory Information PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists AS # Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ S. 313 (TRI) 414469-59-2 TAE-1 No No No No AS # Hazardous Components (Chemical Name) Other US EPA or State Lists 414469-59-2 TAE-1 CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA		-	-				
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ADR/RID Shipping Name:       Not dangerous goods.         UN Number:       Hazard Class:         4.3       AIR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name:       Not dangerous goods.         dditional Transport       Transport in accordance with local, state, and federal regulations.         dditional Transport       Transport in accordance with local, state, and federal regulations.         rformation:       Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         AS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No       No         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists       Jaste Lists         414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA							
ADR/RID Shipping Name:       Not dangerous goods.         UN Number:       Hazard Class:         4.3       AIR TRANSPORT (ICAO/IATA):       ICAO/IATA Shipping Name:       Not dangerous goods.         ICAO/IATA Shipping Name:       Not dangerous goods.       Transport in accordance with local, state, and federal regulations.         ICAO/IATA Shipping Name:       Not dangerous goods.       Transport in accordance with local, state, and federal regulations.         ICAO/IATA Shipping Name:       Not dangerous goods.       Section 15. Regulatory Informations.         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists       S. 304 RQ       S. 313 (TRI)         RAS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         AS #       Hazardous Components (Chemical Name)       CAA HAP, ODC: No; CWA NPDES: No; TSCA: No; CA         414469-59-2       TAE-1       CAA HAP, ODC: No; CWA NPDES: No; TSCA: No; CA	4.1 LAND T	RANSPORT (Euro	ppean ADR/RID):				
UN Number: Hazard Class: 4.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Not dangerous goods. dditional Transport Transport in accordance with local, state, and federal regulations. dditional Transport Transport in accordance with local, state, and federal regulations. formation: PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists AS # Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ S. 313 (TRI) 414469-59-2 TAE-1 No No No No AS # Hazardous Components (Chemical Name) Other US EPA or State Lists 414469-59-2 TAE-1 CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA							
4.3 AIR TRANSPORT (ICAO/IATA):         ICAO/IATA Shipping Name:       Not dangerous goods.         dditional Transport       Transport in accordance with local, state, and federal regulations.         iformation:       Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         AS #       Hazardous Components (Chemical Name)         414469-59-2       TAE-1       No       No         AS #       Hazardous Components (Chemical Name)         AS #       Hazardous Components (Chemical Name)       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA			5 5				
ICAO/IATA Shipping Name: Not dangerous goods.         ditional Transport Information: Transport in accordance with local, state, and federal regulations.         Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         As # Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No         AS # Hazardous Components (Chemical Name)       Other US EPA or State Lists         414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	Hazard Cla	ISS:					
dditional Transport       Transport in accordance with local, state, and federal regulations.         Moditional Transport in accordance with local, state, and federal regulations.         Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         AS # Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No         AS # Hazardous Components (Chemical Name)       Other US EPA or State Lists         AS # Hazardous Components (Chemical Name)       Other US EPA or State Lists         AS # Hazardous Components (Chemical Name)       Other US EPA or State Lists         414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	4.3 AIR TR	ANSPORT (ICAO/I	ATA):				
Aformation:         Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         AS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists         414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	ICAO/IATA	Shipping Name:	Not dangerous goods.				
Section 15. Regulatory Information         PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         AS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists         414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	dditional Tra	nsport	Transport in accordance with lo	ocal, state, and fed	leral regulations.		
PA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists         AS #       Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ       S. 313 (TRI)         414469-59-2       TAE-1       No       No       No         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists         AS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists         414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	nformation:						
AS #         Hazardous Components (Chemical Name)         S. 302 (EHS)         S. 304 RQ         S. 313 (TRI)           414469-59-2         TAE-1         No         No         No           AS #         Hazardous Components (Chemical Name)         Other US EPA or State Lists         S. 304 RQ         S. 313 (TRI)           414469-59-2         TAE-1         No         No         No         No			Section 15. Regu	latory Inforn	nation		
414469-59-2         TAE-1         No         No         No           AS #         Hazardous Components (Chemical Name)         Other US EPA or State Lists           414469-59-2         TAE-1         CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	PA SARA (Sı	perfund Amendm	ents and Reauthorization Act	of 1986) Lists			
CAS #       Hazardous Components (Chemical Name)       Other US EPA or State Lists         414469-59-2       TAE-1       CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	AS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 31	3 (TRI)
414469-59-2 TAE-1 CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	414469-59-2	TAE-1		No	No	No	
	CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists						
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Regulatory Information Statement:	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.
	Section 16. Other Information
Revision Date:	09/30/2016
Additional Information About This Product:	No data available.
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