

samaterials.com

SAFETY DATA SHEET

Version 3.0 Revision Date 09/04/2017

1. PR	ODUCT AND COMPA		TIFICATION					.1			.:
1.1Pr	oduct identifiers										
	Product name Brand	:	Cerium(III) SAM	oxalate	hydrate	.1		1	.1	н н н	1
	CAS-No.	; :	15750-47-7								
1.2	Relevant identified u	ses of the	e substance or mix	cture and	uses advise	ed again	st				
	Identified uses	:	Laboratory chem	icals, Man	ufacture of s	ubstanc	es				
1.3	Details of the supplie	er of the s	afety data sheet		:						
	Company		Stanford Advan Materials								
			23661 Birtcher Lake Forest, CA USA					:			
	Telephone Fax	.1	: +1 (949) 407-89 : +1 (949) 812-66		н н - н	1			1.	.1	
1.4	Emergency telephon	e numbe	r								
	Emergency Phone #	:	+1-(949) 407-89	004		: • •					.1
2. HA	ZARDS IDENTIFICAT										
2.1	Classification of the		e or mixture	н н н				1	.:		1
	GHS Classification Acute toxicity, Oral (Acute toxicity, Inhala	Category	4), H302	R 1910 (C	SHA HCS)	1	, i		1		
	For the full text of the	e H-Stater	ments mentioned in	n this Sec	tion, see Se	ction 16	i.				
2.2	GHS Label elements	, includin	g precautionary st	atements							
	Pictogram			1 1							. :
	Signal word	· · ·	Warning		· .			1	.1		1
:	Hazard statement(s) H302 + H332		Harmful if swalld	owed or if	inhaled	:			:	:	ı
	Precautionary statem P261 P264	nent(s)	Avoid breathing Wash skin thorc			/ vapou	rs/ spray				
	P270 P271 P301 + P312		Do not eat, drink Use only outdoo IF SWALLOWE	ors or in a	well-ventilat	ted area		/ physician	if you		,÷
	P304 + P340		feel unwell. IF INHALED: Re comfortable for	breathing.			•		sition		1
	P312 P330	.:	Call a POISON Rinse mouth.	CENTER	or doctor/ p	hysiciar	ı if you fe	el unwell.		.:	
										Page 1	of 7
										-	

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS 3.1 Substances Formula : C6Ce2O12 · xH2O Molecular Weight : 544.29 g/mol CAS-No. : 15750-47-7 EC-No. : 205-362-5 Index-No. : 607-007-00-3

Hazardous components

Component	Classificat	ion		Concentration			
Tris[oxalate(2-)]dicerium hydrate					1		
		Acute Tox	. 4; H302	+ H332		-	
	 		0	0			

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

lf inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

- The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
- 4.3 Indication of any immediate medical attention and special treatment needed no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

	Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.		.:	 · .
5.2	Special hazards arising from the substance or mixture cerium oxides		:	
5.3	Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.	ı		
5.4	Further information			

no data available

6. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures											
	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure											
	adequate ventilation. Avoid breathing due	st.										
, i	For personal protection see section 8.	- 1. I			1. I.			1				

6.2	Environmental precautions Do not let product enter dra		.e	1	.:		1	.1		
6.3	Methods and materials for Pick up and arrange dispos for disposal.				shovel. Ke	ep in su	uitable, clo	sed contai	ners	
6.4	Reference to other section For disposal see section 13			.:						.:
7. HA	NDLING AND STORAGE									
7.1	Precautions for safe handli Avoid contact with skin and Provide appropriate exhaus For precautions see sectior	eyes. Avoid fo st ventilation at						.1		1
7.2	Conditions for safe storage Keep container tightly close	ge, including a							.:	
7.3	Hygroscopic. Keep in a dry Specific end use(s)	place.		.:	; • •					.1
	Apart from the uses mentio	ned in section	1.2 no other s	specific use	s are stipu	ated				
8. EX	POSURE CONTROLS/PER	SONAL								
	TECTION 8.1 Control param									
	Components with workplace Contains no substances with	ace control pa		nit values.	1	.1			.1	
8.2	Exposure controls									
	Appropriate engineering of Handle in accordance with of workday.		hygiene and	safety prac	tice. Wash	hands	before bre	aks and at	the end	.1
	Personal protective equip	oment		1						
.:	Eye/face protection Safety glasses with s under appropriate go	ide-shields cor						ested and	approve	d ,
	Skin protection Handle with gloves. C touching glove's oute after use in accordan	r surface) to a	oid skin cont	act with this	s product. [Dispose	of contam	inated glov		
	Body Protection Complete suit protect the concentration and							lected acc	ording to	
.:	Respiratory protect For nuisance exposure use type OV/AG/P99 (tested and approved u	es use type P95 (US) or type AB	EK-P2 (EU EN	l 143) respi	rator cartrid	ges. Use	e respirator	s and comp		
	Control of environm Do not let product en		re	.:				1 - 1 - 1 1		
9. PH	IYSICAL AND CHEMICAL P	ROPERTIES								
9.1	Information on basic physi	cal and chemic	cal properties	• ' ₁			1			
	a) Appearance	Form: powe	der							
:	b) Odour	no data ava	ailable		:	:		:	:	
	a) Odaur Thrashold	no doto ove	1	1.1			1.1.1			

c) Odour Threshold no data available

						1					
	d)		no data available					1	j)		· · ·
	d) e)	pH Melting point/freezing	no data available								
.:	0)	point							÷.,		
	f)	Initial boiling point and boiling range	no data available								
	g)	Flash point	no data available								
	h)	Evapouration rate	no data available								
	i) _,	Flammability (solid, gas)	no data available								
	j)	Upper/lower flammability or explosive limits	no data available		:	. '			.'		:
	k)	Vapour pressure	no data available								
	I)	Vapour density	no data available								
	m)	Relative density	no data available								
	n)	Water solubility	no data available								
	o)	Partition coefficient: n- octanol/water	no data available		· .	;		· .	:		· .
	p)	Auto-ignition temperature	no data available			ı					
:	q)	Decomposition temperature	no data available			1.			÷.		
	r)	Viscosity	no data available								
	s)	Explosive properties	no data available			111		.:	111		.:
	t)	Oxidizing properties	no data available								
9.2		er safety information data available	·: .:		1	di se		`: 	2		1
10. S	ГАВ										
10.1		activity data available		, '			.'		۰.	.'	
10.2		emical stability									
		ble under recommended				: * *		. 1			
10.3		ssibility of hazardous read data available	ctions								
10.4	Coi	nditions to avoid bid moisture.						1	1		
10.5	Inc Str	ompatible materials ong oxidizing agents		.1		÷.,			÷.,		
10.6		zardous decomposition p									
		ner decomposition product he event of fire: see section			1			.:			
11. TC	OXIC	COLOGICAL INFORMATI	ON								
11.1	Info	ormation on toxicological	effects		19	.1		1	.:		
		ute toxicity data available									
	De	rmal: no data available				1	. '		1		
										Page 4	of 7

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation no data available

Respiratory or skin sensitisation no data available

Germ cell mutagenicity

no data available

Carcinogenicity

	Carcinog	enicity		,								
.:	IARC:	No componer as probable,						qual to 0	.1% is iden	tified		
	ACGIH:	No componer a carcinogen					r than or e	qual to 0	.1% is iden	tified as		
	NTP:	No componer a known or ai				els greate	r than or e	qual to 0	.1% is iden	tified as		.1
	OSHA:	No componer a carcinogen					r than or e	qual to 0	.1% is iden	tified as		
	Reproduce no data av	ctive toxicity /ailable										
	no data av	/ailable										
	Specific t no data av	arget organ to /ailable	xicity - sing	le exposi	ure							
	Specific t no data av	arget organ to /ailable	xicity - repe	eated expo	osure							
	Aspiratio no data av			,÷								1
.:		Il Information lot available		÷.,	.:	. :	÷.	.:			.:	
		st of our knowle / investigated.	dge, the che	emical, phy	ysical, ar	nd toxicolog	gical prope	erties hav	ve not been			
		Irregularities - Irregularities -								; · ·	. :	.:
12. E	COLOGICA		ON									
12.1	Toxicity no data av	vailable			1							
12.2	Persisteno no data av	ce and degradal /ailable	bility	÷.,			÷.,					
12.3	Bioaccum no data av											
12.4	Mobility in no data av											
12.5		PBT and vPvB assessment no			al safety		ent not requ	uired/not	conducted			1
12.6	Other adv	erse effects										
.1	no data av	/ailable		1	. 1		÷.,	. :				

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	1		CAS-No.	Revision Date		
Tris[oxalate(2-)]dicerium hydrate			15750-47-7		1	
New Jersey Right To Know Components	5					
			CAS-No.	Revision Date		
Tris[oxalate(2-)]dicerium hydrate	111		15750-47-7			1

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox. H302 H302 + H332 H332	Acute toxicity Harmful if swallowe Harmful if swallowe Harmful if inhaled.		nhaled			111 1	
HMIS Rating Health hazard: Chronic Health Haz Flammability: Physical Hazard	2 ard: * 0 0	÷.					

NFPA Rating

Health hazard:		2
Fire Hazard:		0
Reactivity Hazard:	. 1	0

Further information

This material safety data sheet is offered solely for your information, consideration, and investigation. Stanford Advanced Materials provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.

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