

SAFETY DATA SHEET

						. 1		; • •	Date	Accesse	d: 25/08	8/2023
	· · .				1.1.1		· · .		Dat	e Revise	d: 08/12	2/2022
	1 - 1 1						1 1 1					
SEC	CTION	1. IC	ENT	IFICAT								
Produ	uct Name	: Stron	tium Zir	conate								
CAS	#: 12036-	39-4		· · · ·		. * *			. * *	· · · .		
Relev	ant iden	tified u	ses of t	he substa	ince: S	Scienti	fic researc	h anc	l develo	opment	*	
Supp	lier detai	ls:										
. 1	ord Advar I: sales@				111	.1						.1
T _i el: (9	949) 407-	8904					· · .			· · ·		
Addre				ake Fores								
			н 1 - 1		'						'	
SEC	CTION	2. H	AZAI	rds Id	ENT	IFIC	ATION	; • •				.:
Class	ification o	f the su	bstance	e or mixtur	e					· · .		
Not a	hazardou	is subst	ance or	mixture.	'		1 - 1 1			· · ·		

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture. Hazards not otherwise classified (HNOC) or not covered by GHS-none

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Chemical characterization: Product does not burn

Formula:03SrZr											
Molecular weight: 226.8	4 g/mol	I									
CAS-No.: 12036-39-4					1 1					н 1 - 1	
EC-No.: 234-847-4	.:			.;÷			.1		;	.:	. '
SECTION 4. FIF											
Description of first aid m				, , ,					'		
If inhaled	.:			.:			.:		; • •	.:	
If breathed in, move per	son into	o fresh air	. If not	breathi	ng, give ai	rtificial ı	respirat	ion.			
In case of skin contact				111	11.		. * *				
Wash off with soap and	plenty	of water.	'		н н н			1 I			
In case of eye contact											
Flush eyes with water as	s a prec	caution.		_::		: • •			: "	.:	
If swallowed											
Never give anything by r											
Most important symptom	ns and	effects, bo	oth acu	te and	delayed			н н н			
The most important know	wn sym	nptoms an	d effec	ts are c	lescribed i	in the la	abelling	(see sect	ion 2)		
and/or					,	111			111	.1	. '
in section 11											
Indication of any immed	iate me	edical atte	ntion a	nd spec	cial treatmo	ent nee	eded				
No data available	н 1. т.	1 I	¹		1 I			н н н	'	н 1 - 1	,
						: • •			; * *	.1	. '
SECTION 5. FIF								· · .			
Extinguishing media											
Suitable extinguishing m	nedia		'			'			'		
Use extinguishing meas			-						-		
environment.		11								.:	. '
Special hazards arising	from th	e substan	ice or n	nixture	11. 1			94. 1			

Carbon oxides				· · .	 	· · .		
Nature of decomposition	n products not k	known.						
Strontium oxides, Zircor		· · '			 		1.1	
Advice for firefighters								
Wear self-contained bre								. '
Further information				11. 1	 			
The product itself does	not burn.	'	1 1 - 1	· · ·	 		'	

SECTION 6. ACCIDENTAL RELEASE MEASURES

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н 1 - 1	 	

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling								
Provide appropriate exhaust ventilation	at place	es wher	e dust is	formed.				
For precautions see section 2.			· · .			· · .	 	
Conditions for safe storage, including an well-ventilated place.	-						 and	
Keep in a dry place.								
Specific end use(s)								
Apart from the uses mentioned in section	n 1.no (other si	pecific us	es are s	tipulate	be		

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION Exposure controls Appropriate engineering controls General industrial hygiene practice. Personal protective equipment Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. **Body Protection** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Control of environmental exposure Do not let product enter drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

			1 1 1		1	1 1 1					
Information on basic pl	nysical	and chem	nical pro	perties	· · .						
Appearance											
Form: powder or solid i		us forms	'		1 I				'		
Odor											
No data available				. 1				. * *			
Odor Threshold		· · .			· · .			· · .			• •
No data available pH		1 - 1 1	'		1 I 1	'	н 1 — 1		*	н 1 - 1	
No data available	:			:			.:				
Melting point/freezing p		1		1	1		1	1		1	
No data available		· · ·			· · .			· · ·		. * *	•••
Initial boiling point and	boiling	range	'		1 - 1 1						
No data available											
Flash point	. :		; • •	.:		; • •				.1	
N/A											
Evaporation rate					· · · .			· · · .			
No data available			¹		1 I			· · ·		1 1 1	
Flammability (solid, gas	s)										
No data availableUppe	r/lower	flammabi	ility or e	xplosive	e limits	: ' '		199	111		
No data available											
Vapor pressure											
No data available			'		1						
Vapor density											
No data available				. :							
Relative density		· · .			· · .			···.			•••
No data available			'	,			,				
Water solubility					i.			1			
No data available	:			:						1	-
Partition coefficient: n-o											
No data available		· · · .			· · · .						
		1 1		1	1 1	1			·		

						,	· '				
Auto-ignition temperatu	ire	· · .			· · .						· · .
No data available											
Decomposition tempera	ature	1		1			1 1			1 1	
No data available Viscosity	.:		:	.:		: • •	.:	21		.1	
No data available		· · ·			· · .						•••
Explosive properties			'								
No data available											
Oxidizing properties	.:			.:			. 1		; • •	.:	
No data available											
Other safety informatio	n	· · .					. • •				· · .
No data available		н н н	'		н н н	'	:				

SECTION 10. STABILITY	AND	RE		/ITY			111	.1	.'
Reactivity		. * *	· · ·			··.			
No data available									
Chemical stability									
Stable under recommended storage con	ditions	-		111			:**		. '
Possibility of hazardous reactions									
No data avallable									
Conditions to avoid				· · · *			¹		
No data available Incompatible materials	1 1 1 1			1 1 1 1				.:	
Strong oxidizing agents, Strong acids									
Hazardous decomposition products Other decomposition products-No data a						· · · ·	'		·
In the event of fire: see section 5				111	.:				. '

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicologi	cal effects	· · · '					1 1	1. C		
Acute toxicity										
No data available					;**	.:		111	.1	
Inhalation: No data avail	able									
Dermal: No data availab	le									
No data available		· · · [*]			1.1 ¹			1.1 ¹		
Skin corrosion/irritation										
No data availableSeriou	s eye damage	e/eye irrita	ation		111			111		
No data available				· · .			· · .			
Respiratory or skin sens	itisation									
No data available					1.1		1		1 1	
Germ cell mutagenicity										
No data available			. '						. '	
Carcinogenicity				· · .			· · .			
IARC:										
IARC: No component of this pro	oduct present	at levels	greate	r than or	equal to	0.1% i	s identifi	ed as		
IARC: No component of this propable, possible or component	oduct present	at levels	greate	r than or	equal to	0.1% i	s identifi	ed as		
No component of this pro	oduct present	at levels	greate	r than or	equal to	0.1% i	s identifi	ed as		
No component of this propable, possible or con	oduct present nfirmed huma	at levels n carcino	greate ogen by	r than or IARC.	equal to	0.1% i	s identifi	ed as		
No component of this proprobable, possible or con NTP:	oduct present nfirmed huma oduct present	at levels n carcino at levels	greate ogen by greate	r than or IARC. r than or	equal to	0.1% i 0.1% i	s identifi s identifi	ed as ed as a		
No component of this propable, possible or con NTP: No component of this pro	oduct present nfirmed huma oduct present	at levels n carcino at levels	greate ogen by greate	r than or IARC. r than or	equal to	0.1% i 0.1% i	s identifi s identifi	ed as ed as a		
No component of this pro- probable, possible or con NTP: No component of this pro- known or anticipated car	oduct present nfirmed huma oduct present cinogen by N	at levels n carcino at levels TP.	greate ogen by greate	r than or IARC. r than or	equal to	0.1% i	s identifi	ed as ed as a		
No component of this pro- probable, possible or con NTP: No component of this pro- known or anticipated car OSHA: No component of this pro- carcinogen or potential of	oduct present nfirmed huma oduct present cinogen by N oduct present carcinogen by	at levels n carcino at levels TP. at levels OSHA.	greate ogen by greate greate	r than or IARC. r than or	equal to	0.1% i 0.1% i	s identifi s identifi	ed as a ed as a		
No component of this pro- probable, possible or con NTP: No component of this pro- known or anticipated car OSHA: No component of this pro- carcinogen or potential of	oduct present nfirmed huma oduct present cinogen by N oduct present	at levels n carcino at levels TP. at levels OSHA.	greate ogen by greate greate	r than or IARC. r than or	equal to	0.1% i 0.1% i	s identifi s identifi	ed as a ed as a		
No component of this pro- probable, possible or con NTP: No component of this pro- known or anticipated car OSHA: No component of this pro- carcinogen or potential of	oduct present nfirmed huma oduct present cinogen by N oduct present carcinogen by	at levels n carcino at levels TP. at levels OSHA.	greate ogen by greate greate	r than or IARC. r than or	equal to	0.1% i 0.1% i	s identifi s identifi	ed as a ed as a		
No component of this pro- probable, possible or con NTP: No component of this pro- known or anticipated car OSHA: No component of this pro- carcinogen or potential of Reproductive toxicity	oduct present nfirmed huma oduct present cinogen by N oduct present carcinogen by	at levels n carcino at levels TP. at levels OSHA.	greate ogen by greate greate	r than or IARC. r than or	equal to	0.1% i 0.1% i	s identifi s identifi	ed as a ed as a		
No component of this pro- probable, possible or con NTP: No component of this pro- known or anticipated car OSHA: No component of this pro- carcinogen or potential of Reproductive toxicity No data available	oduct present nfirmed huma oduct present cinogen by N oduct present carcinogen by	at levels n carcino at levels TP. at levels OSHA.	greate ogen by greate	r than or IARC. r than or	equal to	0.1% i 0.1% i	s identifi	ed as a		
No component of this pro- probable, possible or con NTP: No component of this pro- known or anticipated car OSHA: No component of this pro- carcinogen or potential of Reproductive toxicity No data available No data available	oduct present nfirmed huma oduct present cinogen by N oduct present carcinogen by	at levels n carcino at levels TP. at levels OSHA.	greate ogen by greate	r than or IARC. r than or	equal to	0.1% i 0.1% i	s identifi	ed as a ed as a		

	. '			. '		. '			
Specific target organ tox	kicity -r	epeated e	exposur	e	 		 		···.
No data available									
Aspiration hazard			'		 '		 ' 		
No data available Additional Information	.:					. 1	 	.:	
RTECS: Not available									· · · .

SECTION 12. ECOLOGICAL INFORMATION

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lo data available										
Other adverse effects	;	· · .			· · .			· · .		
PBT/vPvB assessme	nt not ava	ailable a	s chemic	cal safe	ety asses	sment no	ot requi	red/not c	onducte	d [:]
Results of PBT and v	PvB asse	essment								
lo data available	н 1 - 1	н н н			1 - 1 1	'				
Nobility in soil										
lo data available										
Bioaccumulative pote	ntial								: * *	.:
lo data available										
Persistence and degr	adability					¹				
lo data available								· · · .		
oxicity										

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods	· · .	 	· · .	 	· · .	
Product			1			
Offer surplus and non-recycla					,	
Contaminated packaging		 :		 1		 :
Dispose of as unused product						

SECTION 14. TRANSPORT INFORMATION

DOT (US)		н 1 - 1	1 - 1 1	 	1 - 1 1		н 1 - 1	н н н	
Not dangerous go	oods								
IMDG				 .:		1 			.1
Not dangerous go IATA			··		···,			···,	
Not dangerous go	oods	н н н	1 I	н 1 - 1	1 - 1 1		н н н		

SECTION 15. REGULATORY INFORMATION

	202	Componente
SARA	30Z	Components

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

SARA 313 Components

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

No SARA Hazards

Massachusetts Right To Know Components

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

Pennsylvania Right To Know Components

Strontium zirconium trioxide

CAS-No.

12036-39-4

Revision Date

New Jersey Right To Know Components

Strontium zirconium trioxide

CAS-No.12036-39-4

Revision Date

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.

SECTION 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.