

SAFETY DATA SHEET

÷						1		111	Date	Accessed	d: 25/08	8/202
÷		1	:	1. 1.	1		1. 1.	1 1	Dat	e Revised	d: 03/11	/202
	4.	1 - 1 1			н н н		÷.,	1 - 1 1		÷		
SEC	CTION	1. ID	ENTI	FICA								
							1	111	1		:**	ť
	uct Name						1. j	·			·	
	#: 12430-	7 3-0										
	1		es of th	ne subs	tance: S	scienti	fic resea	rch and	develo	opment		'
•••	lier detai		4									
Stanto E-mai	ord Advar il: sales@	iced ivia isamater	ials cor	'n	111			111		:	111	1
	_				·	. '	· .	1			·	.'
	ess: 2366											
	÷.,			÷.,			1					'
	CTION ments of I											
Acute	e Health H	azard: Ir	ritant to	eyes, s	skin, muc	ous m	embrane	s and		;		
respir	atory sys	tem. Ma	y be hai	rmful by	ingestio	n,				ı		
inhala	ation or sk	in absor	ption.				:					
Chror	nic Health	Hazard	: Not Av	vailable		1			i.	i		
								·		1.	·	
HIVII5	Rating: H	1:0 F:0 F	2:0				1					
	•											
NFPA	•	H:0 F:0 F	R:0,		1 - 1 1			1 - 1 1	'	:		
NFPA To the	A Rating: I	H:0 F:0 F our know	R:0 /ledge, t	the toxic	cological	proper	ties of th	is chemi	cal hav	:		
NFPA To the been	A Rating: I	H:0 F:0 F our know y investi	R:0 /ledge, t	the toxic	cological	proper	ties of th	is chemi	cal hav	e not		;

	1 1 1			1 1 1			1 1 1	1		1.1.1		
Pictogram	1		1.	·			·			·	e e	÷.,
Signal Word: Wa	rning											
Hazard Statemer	nt(s): H	l302 Ha	rmful if s	swallowe	ed.	1.			1		'	
H312 Harmful in	contac	t with sl	kin.									
H315 Causes ski	in irrita	tion.										
H319 Causes se	rious e	ye∶irrita	tion.H33	32 Harmi	ful if inl	haled.	1.	:		1	÷	÷.,
H335 May cause	respir	atory irr	itation.			,						
Precautionary St	atemer	nt(s): P2	261 Avoi	d breath	ing du				· .			
vapors/ spray.						:						
P280 Wear prote	ctive g	loves/p	rotective			:	,	:	:	,		
protection/face p	rotectio	on.	1. 1.	1	:	14	1	:	14	1	ť	÷.,
P301+P312 IF S	WALLO	DWED:	Call a P	OISON		1			1			1
CENTER or doct	or/phys	sician if	you fee	l unwell.								
P302+P352 IF O	N SKI	N: Wash	n with ple	enty of s	oap		; • •			;••		
and water.												
P304+P340 IF IN	IHALE	D: Rem	ove vict	im to fre	sh air	1.		1		1 		
and keep at rest	in à po	sition c	omfortal	ole for		1						1
breathing.												
P305+P351+P33	8 IF IN		Rinse	cautious	y :	-		1	:			
with water for sev	veral m	ninutes.	Remove	e contac	t		·			5		
lenses, if present	t and e	asy to d	lo. Conti	nue rins	ing.	1		,	1		,	1
P332+P313 If ski	in irrita	tion occ	urs: Ge	t medica	1			'	1	н н н	'	÷.
advice/ attention.												
	111			: * *				:		1.1.1		

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Barium strontium titanate

Synonyms: BST

CAS Number: 12430-73-8

MDL Number: MFCD05865190

						,				
EINECS Number: 235-6	659-5	·		1. 1.	5			1		۰.
Beilstein Registry Numb		ble								
Molecular Formula: (Ba		1	1.1	· .			1	1		
Molecular Weight: 416.										
Content: 99+%	1		1							
Notes: Not Available	:	1		1. 1.	1 	i.	14	1	t.	

SECTION 4. FIRST AID MEASURES

						1				
Eye Contact: Flush eyes with la	arge amo	unts of	water f	or fifteen						
minutes. Separate eyelids with	fingers. I	f irritatio	on		1.0	i.		1	t, i	
persists, seek medical attentio	n.					'	1		'	
Skin Contact: Wash skin with s	oap and	water. I	f irritatio	on persis	ts,					
seek medical attention.					: * *	ť		; • •	:	
Ingestion: Do not induce vomit										
Inhalation: Move to a fresh air								1		
if breathing becomes difficult.			'			'			'	

SECTION 5. FIREFIGHTING MEASURES

Flash Point: Not Available

Explosion Limits: Lower: Not Available

Upper: Not Available

Autoignition: Not Available

Extinguishing Media: Carbon dioxide, dry chemical powder, alcoholresistantfoam or water spray.

Protective Equipment: Wear self-contained respirator and fully protective impervious suit.

Specific Hazards: May emit hazardous fumes under fire conditions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear a self-containe	ed breat	hing ap	paratus,	rubber	'		н н Н	
boots and gloves, and disposable covera	lls. Disp	ose of						
coveralls after use.	111	:	1	111		-	: 11	:
Keep unprotected persons away.	·			·		1.	·	
Environmental Protection: Keep spills out								
and contain the spill with inert material. A	bsorb o	n	1.	1 - 1 1			1 - 1 1	'
sand, vermiculite or diatomite. Transfer m								
container for disposal or recovery. Ventila	ate area	and				1		:
wash spill site after material pickup is cor	nplete.			1	:		·	:

SECTION 7. HANDLING AND STORAGE

Handling: Avoid breathing du	ust, vapor,	mist or	gas. Av	void						
contact with skin and eyes.	Avoid prole	onged or		14	1	, ¹	14	1	:	
repeated exposure. Use only	y in a cher	nical fur	ne "	1			1			
hood. Open and handle cont										
ignition sources away.		: • •			111			111	i.	
Storage: Store in a tightly clo	osed conta	ainer in a	dry, w	ellventila	ated					
place.		1 	:	1. 1.	1	ť		1	÷	
Sensitivities: Not Available			'		н н н		1.			
Storage Temperature: 15-30	٥ <u>٠</u>									

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash

facility in your vicinity.

Skin: Wear in	npervious	gloves a	ind prot	ective cl	othing.	1.	1	:	1.	1	:	÷.,
Respiratory:	Use a NIC	OSH appr	roved re	espirator	when	exposure	;					
limits are exc	eeded or	if irritatio	n or oth	ier symp	toms	÷.		'			'	÷.
are experience Exposure Lim	111	ntry Sourc	се Туре	Value	1	:	1 1 1 1	:	:		: ¹	1
USA ACGIH	TWA Not	Available	9 [°]	1	; '	1. 1.	1	ť	1. 1.	·	e la	÷.,
USA OSHA S USA OSHA F			9		'	:.	1 - 1 1	*	4,		¹	
:	1 1 1 1			;	1		1 A A			111	: '	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powder or s	solid	÷.,	1 I			н н н			
Odor: Not Available									
Melting Point: Not Availa	bleBoil	ing Point:	Not Av	ailable		; • •	:	; • •	: 1
pH Value: Not Available Density: 4.91 g/cm3		14. 1	5	:		5	:	5	al l
Refractive Index, n20		÷.,	1 I			н н н			
D: Not Available									
Viscosity: Not Available	:				1		:	: • •	
Solubility in Water: Not A	vailabl	e							

Vapor Density(Air=1): Not Available

Vapor Pressure: Not Available

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.

Incompatibility: Strong oxidizing agents.

Conditions to Avoid: Heat, Flame, Sparks, other ignition sources

Hazardous Decomposition Products: Barium oxides, Strontium oxides, Titanium oxides

SECTION 1	1. TO)	(ICOL	OGIC/	AL:IN	IFOR	MATIO	DN	÷.,	1.00	1	۰.
RTECS Reference	e: Not Ava	ilable			1			1			:
Target Organs: N	ot Availab	le									
Toxicity Data: Not	Available		111			111	1		111		
Skin corrosion/irri	· · · · · · · · · · · · · · · · · · ·	1 · .	1.1	e ^r	1. 1.	5	1	1. 1.	1		۰.
Serious eye dama Carcinogenicity: N				'				1			:
	нт н ^и	:	111		1	:		:			
SECTION 1	2. EC(DLQGI		NFO	RMA	ΓΙΟΝ			·	:	۰.
		· ·			1						
Not Available			1 - 1 1					:		*	:
Not Available								:.		*	:
	3. DIS	POSA		NSIDI	ERAT	IONS	:			* * *	:
SECTION 1	3. DIS	POSA	L CON	NSIDI Il service	ERAT	TIONS se in a m	anner o	consister		: '	
SECTION 1 Contact a licensed with federal, state	3. DIS d professionand local	POSA	L CON e disposa nental reg	NSIDI Il service ulations	ERAT	TIONS se in a m	anner o	consister	nt ^t		:
SECTION 1 Contact a licensed with federal, state	3. DIS d profession and local 4. TRA	POSA onal waste environm	L CON e disposa iental reg DRT IN	NSIDI Il service ulations	ERAT	TIONS se in a m	anner d	consister	nt ¹		:
SECTION 1 Contact a licensed with federal, state SECTION 1	3. DIS d profession and local 4. TR	POSA onal waste environm	L CON e disposa nental reg	NSIDI Il service ulations	ERAT	TIONS se in a m	anner o	consister	nt ¹		
SECTION 1 Contact a licensed with federal, state SECTION 1 DOT: Not Regular	3. DIS d profession and local 4. TR / ted	POSA onal waste environm	L CON e disposa nental reg	NSIDI Il service ulations	ERAT	TIONS se in a m	anner o	consister	nt ¹		

SECTION 15. REGULATORY INFORMATION

United States:Toxic Substance Control Act (TSCA): Listed Superfund Amendments and Reauthorization Act (SARA 302): Not listed Superfund Amendments and Reauthorization Act (SARA 311/312): Not listed Superfund Amendments and Reauthorization Act (SARA 313): Not listed European Union: European Inventory of Existing Chemical Substances (EINECS): No. 235-659-5 Hazard Codes: Xi Risk Statements: 36/37/38 Safety Statements: 26

Canadian Domestic Substances List (DSL): Not listed Canadian Non-Domestic Substances List (NDSL): Listed

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.