

SAFETY DATA SHEET

					: • •				Date	Accesse	d: 25/08	s/2023
'	н н н	···.		н н н	· · ·				Dat	e Revise	d: 02/01	/2023
1	1.11 1.11		1			1. 			1			*
SEC	CTION	1. ID	ENT	IFICAT	ION							
						1		111		14	111	
	uct Name			н н н		'						
_	#: 10101-	-03-0										
Relev	ant iden	tified us	ses of t	he substa	nce: S	cienti	fic <u>r</u> esea	rch and	develo	opment	1	1
	lier detai											
Stanfo	ord Advar	nced Ma	iterials	1.			1.	: ' '		14	111	
E-mai	il: sales@	samate	rials.co	m								
				.ake Fores				· · · .		,		
									1			·
				RDS ID								
GHSC)8 Health	hazard				·						
Repr.	1A H360	May da		ertility or th								
GHSC)7			damage to								
Acute	Tox. 4 H	302 Hai	mful if s	swallowed	· · · ,	· · ·	н н Н	11. 1	¹		11	
				inhaled.								
				ed No data								
GHS	label eler	nents, ir	ncluding	precautio	nary st	atemer	nts	111				
Hazar	rd pictogr	ams										

GHS07 GHS08		· · .	'		· · .			•••		
Signal word Danger										
Hazard statements		1	'	'		'			1	
H302+H332 Harmful if	swallowed or if	inhaled.								
H360 May damage fert	tility or the unbo	rn child.					1.	111		
H373 May cause dama statements	age to organs th	rough pro	olonge	d or repe	ated exp	osure.	Precautio	onary	'	
P260 Do not breathe d	ust/fume/gas/mi	ist/vapor	s/spray	· · ' -	1	1.1	'		1	
P261 Avoid breathing of	dust/fume/gas/m	nist/vapor	rs/spra	у.						
P281 Use personal pro	stective equipme	ent as rec	quired.				14			
P304+P340 IF INHALE	ED: Remove per	son to fre	esh air	and kee	p comfor	table fo	or breath	ing.		
P405 Store locked up.										
					1				1.1	
P501 Dispose of conte	nts/container in	accorda	nce wit	h local/re	egional/n	ational	Internati	onai		
					-					
P501 Dispose of conte regulations. WHMIS classification	nts/container in				-					
regulations. WHMIS classification		;	, , ,		;					
regulations. WHMIS classification D1B - Toxic material ca	ausing immediat	te and se	erious to	oxic effe	cts			: ** **.	*	
regulations. WHMIS classification	ausing immediat	te and se	erious to	oxic effe	cts			: ** **.	*	
regulations. WHMIS classification D1B - Toxic material ca D2A - Very toxic mater Classification system	ausing immediat ial causing othe	te and se r toxic ef	erious to fects	oxic effe	cts					
regulations. WHMIS classification D1B - Toxic material ca D2A - Very toxic mater Classification system HMIS ratings (scale 0-4 (Hazardous Materials I	ausing immediat ial causing othe 4)	te and se r toxic ef	erious to	oxic effe	cts					
regulations. WHMIS classification D1B - Toxic material ca D2A - Very toxic mater Classification system HMIS ratings (scale 0-4 (Hazardous Materials I	ausing immediat ial causing othe 4)	te and se r toxic ef	erious to	oxic effe	cts					
regulations. WHMIS classification D1B - Toxic material ca D2A - Very toxic mater Classification system HMIS ratings (scale 0-4	ausing immediat ial causing othe 4) dentification Sys = 2	te and se r toxic ef stem)	erious to	oxic effe	cts					
regulations. WHMIS classification D1B - Toxic material ca D2A - Very toxic mater Classification system HMIS ratings (scale 0-4 (Hazardous Materials I Health (acute effects) =	ausing immediat ial causing othe 4) dentification Sys = 2	te and se r toxic ef stem)	erious to	oxic effe	cts					
regulations. WHMIS classification D1B - Toxic material ca D2A - Very toxic mater Classification system HMIS ratings (scale 0-4 (Hazardous Materials I Health (acute effects) = Flammability = 0 Physical Hazard = 1	ausing immediat ial causing othe 4) dentification Sys = 2	te and se r toxic ef stem)	erious to	oxic effe	cts					
regulations. WHMIS classification D1B - Toxic material ca D2A - Very toxic mater Classification system HMIS ratings (scale 0-4 (Hazardous Materials I Health (acute effects) = Flammability = 0	ausing immediat ial causing othe 4) dentification Sys = 2	te and se r toxic ef stem)	erious to	oxic effe	cts					
regulations. WHMIS classification D1B - Toxic material ca D2A - Very toxic mater Classification system HMIS ratings (scale 0-4 (Hazardous Materials I Health (acute effects) = Flammability = 0 Physical Hazard = 1 Other hazards	ausing immediat ial causing othe 4) dentification Sys = 2	te and se r toxic ef stem)	erious to	oxic effe	cts					

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

	· .			1.			1.		· ·
Substances		· · · ,	¹						
CAS No. / Substance Name:									
10101-63-0 Lead(II) iodide	'		'			1	· · · ¹	1	
Identification number(s):									
EC number: 233-256-9		,			,		1.		· · ·
Index number: 082-001-00-6		· · .	¹		11. 11.			'	

SECTION 4. FIRST AID MEASURES

Description of first aid m	easure	es						,		
If inhaled:			· · .	¹	н н н	· · .	¹	н н Н	С.,	1.1 ¹
Supply patient with fresh	n air. If	not breat	hing, pr	ovide a	rtificial res	spiratio	n. Keep	patient w	arm.	1
Seek immediate medica	l advic	e.								
In case of skin contact:									; • •	
Immediately wash with s	soap a	nd water;	rinse th	orough	ly.					
Seek immediate medica	l advic	e.	· · .			11.			· · .	
In case of eye contact:	1		`: :	'		1	'		1	1.1
Rinse opened eye for se	everal ı	minutes ui	nder rur	nning w	vater. Con	sult a p	hysicia	n.		
If swallowed:			; • •	, , ,				14	; • •	
Seek medical treatment	•'					· · .	'			
Information for doctor										
Most important sympton	ns and	effects, b	oth acu	te and	delayed:		'			1.1
No data available										
Indication of any immed	iate me	edical atte	ntion ar	nd spec	cial treatm	ent nee	eded:			
No data available		н н Н	· · .	'	н н Н	· · · .	'		· · .	¹

SECTION 5. FIREFIGHTING MEASURES

and the second state of the second state of the

Extinguishing media

Suitable extinguishing agents Product is not flammable. Use fire-fighting measures that suit the

		· .	ł		` .	1		· .			
surrounding fire.			· · .			··.			· · .		
Special hazards arising											
If this product is involve	ed in a f	ire, the fo	llowing	can be	released:		1 		1	1	'
Hydrogen iodide (HI) Lead oxide fume						· · · · ·					
Advice for firefighters	'	н н Н	· · ·	¹	н н Н	· · .		н н Н	· · .		
Protective equipment: Wear self-contained res			1	1		6	5		`:	5	'
Wear fully protective im	perviou	ıs suit.			1.				; • •		

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protectiv	ve equipm	ent and	d emer	gency prod	cedures	3				
Use personal protective equip	ment. Keel	o unpro	otected	persons a	away.			: • •		
Ensure adequate ventilation										
Environmental precautions: Do										
courses.		`: `:	1.1	· · · [*]	1	1		1	1	
Methods and materials for con	tainment a	ind cle	anup:							
Dispose of contaminated mate	rial as was	ste acc	ording	to section	13.			; • •	. :	
Ensure adequate ventilation.						'				
Prevention of secondary hazar										
Reference to other sections		1	1.00		1	1. j. j.		1	1	
See Section 7 for information of	on safe ha	ndling								
See Section 8 for information of	on persona	al prote	ection e	quipment.						
See Section 13 for disposal in							1 - 1 1	· · .		
			1			1				

SECTION 7. HANDLING AND STORAGE

Handling Precautions for safe handling

			· .						
Keep container tightly sealed.	· · ·	'			*				
Store in cool, dry place in tightly clo		ers.							
Ensure good ventilation at the work	place.	·		1	'		1	1	
Open and handle container with car									
Information about protection agains		and fi		product	is not fl	ammable	; * *		
Conditions for safe storage, includin	ng any incor	npatibil	lities	· · .			· · .		
Requirements to be met by storeroo	oms and rec	eptacle	es: No sp	ecial rec	quireme	ents.			
Information about storage in one co	mmon stora	age fac	ility:	1			1		
Store in the dark.									
Store away from oxidizing agents.	·			,		` .			
Further information about storage c	onditions:	'		11. 1			· · · ·		
Keep container tightly sealed.	· .	·		1	·			·	
Store in cool, dry conditions in well-	sealed cont	ainers.							
Protect from exposure to light.			1.	; • •		1. j			
Specific end use(s) No data availab									
							114	'	
and the spectrum and	1	·			1			1	
SECTION 8. EXPOSUR	RE CON	TRO	LS/PE	ERSO	NAL	•			
PROTECTION			14			14. 14.	: • •		
Additional information about design	of technica	l syster	ms:						
Properly operating chemical fume h									
face velocity of at least 100 feet per	minute.	1		1	1.1	¹	1	1	
Control parameters									
Components with limit values that re	equire moni	toring a	at the wo	rkplace:		14	111		
None.	· · .			· · · .			· · .		
Additional information: No data									
Exposure controls		́н т	1 1 ²		<u> </u>	ст ²			
Personal protective equipment									
Follow typical protective and hygien	ic practices					14. 14.	111		

Keep away from foodstuffs, beverages and feed.

			1 1 1	1 1				· .			
Remove all soiled an	d contami	nated clo	thing in	nmedia	itely.	· · .			· · .		
Wash hands before b	oreaks and	d at the er	nd of w	ork.							
Store protective cloth	ing separ	ately.		· · ·				¹			
Maintain an ergonom	ically app	ropriate w	vorking	enviro	nment.						
Breathing equipment	: Use suita	able respi	rator w	hen hig	gh concer	itrations	are pr	esent.			
Protection of hands:	¹		· · · .		н н Н	· · .			· · .		
Impervious gloves	·			·	'	• .	·		• .	·	
Inspect gloves prior t			1								
The selection of suita vary	ible glove:	s not only	depen	ds on t	he materi	al, but a	also on	quality. C	uality w	ill , ,	÷.,
from manufacturer to	manufact	urer.		'	н н Н	· · .			· · .		
Penetration time of g	love mate	rial (in mi	nutes)	No data	a availabl	e	·		• .	·	
Eye protection: Safet	y glasses										
Body protection: Prot	ective wo	rk clothing] -	1							÷.,
			· · .								
SECTION 9. F	PHYSIC	CAL A	ND (CHE	MICAL	. PRO	OPEF	RTIES			
Information on basic	physical a	and chemi	cal pro	perties	'		1 	'		1	'
Appearance:		·			5. j	; • •		5. j	: • •		·
Form: Powder											
Color: Yellow			· · ·	· · · '		· · · .	'		11.	'	
Odor: Odorless	5. A			1. J.			1		1	5	'
Odor threshold: No d	ata availa	ble.									
pH: N/A			; • •			: * *		·	: • •		÷.,
Melting point/Melting	range: 40	2,°C (756	°F)								
Boiling point/Boiling r	ange: 954	↓°C (1749	€°F)								
Sublimation temperat	ture / start	: No data	availa	ble	· · · ¹	1	1		1	1.1	'
Flammability (solid, g			ole.								
Ignition temperature:	No data a	available		1 1 - 1			1 1 - 1		: • •		11.
Decomposition tempe	erature: N	o data av	ailable	1.1	1 I	· · .		1 - 1 1	· · .		

	111			1 1 1	1 1				
Autoignition: No data available.		'							
Danger of explosion: No data available.									
Explosion limits:		'			'	· · · ¹		1	
Lower: No data available									
Upper: No data available									· · .
Vapor pressure: N/A	•••	· · · ¹	1 I	· · .		н н н	· · .		
Density at 20 °C (68 °F): 6.16 g/cm	• .	·		· .				·	,
3	i			1			i		
(51.405 lbs/gal)			·			· .			
Relative density No data available.		1 1						1 1	
Vapor density N/AEvaporation rate N/A		'	1 - 1 1		¹	1 - 1 1	· · .	¹	
Solubility in / Miscibility with	· .	·			1			·	
Water at 20 °C (68 °F): 0.63 g/l									
Partition coefficient (n-octanol/water): No	o data	availab	le.			1. 1.			· · .
Viscosity:									
Dynamic: N/A					' 			'	
Kinematic: N/A	· .	1. A.			1	¹		1 1	
Other information No data available									
		1			1				÷.,
	_ 12						· · .		
SECTION 10. STABILITY									
Reactivity No data available	`;	1 	· · · ·		1		1	1.1	
Chemical stability Stable under recomme									
Thermal decomposition / conditions to be	e avoi	ded: De	composi	tion will r	not occ	ur if use	d and sto	ored	
according to specifications.	• •	¹	1 - 1 1	· · .			· · .		
Possibility of hazardous reactions React			oxidizing	agents					
Conditions to avoid No data available		·		agenie	1.1		1	1 	
Incompatible materials:									
Oxidizing agents									

Oxidizing agents

Light

			1			,		
Hazardous decomposition products:	· · .	'		· · .	'		 	
Hydrogen iodide (HI)								
Lead oxide fume	1	1.1	'		·	'	1	'

		14.	111		14. 14.	111		÷.,
SECTION 11. TOXICOLOGIC		IFORM	ΛΑΤΙΟ	DN		· · .		
Information on toxicological effects	·			·		· .	·	
Acute toxicity:						,		
Harmful if inhaled.		1.						
Harmful if swallowed.		,			,			
LD/LC50 values that are relevant for classifica	tion: No	o data	11	'		11		
Skin irritation or corrosion: May cause irritation	۱., ۱			1			1	
Eye irritation or corrosion: May cause irritation								
Sensitization: No sensitizing effects known.		14. 14.			1. 1.	111		÷.,
Germ cell mutagenicity: No effects known.								
Carcinogenicity:		i.	· · · .		1	· · · ·		

EPA-B2: Probable human carcinogen, sufficient evidence from animal studies; inadequate evidence or

no data from epidemiologic studies.

NTP-R: Reasonably anticipated to be a carcinogen: limited evidence from studies in humans or sufficient evidence from studies in experimental animals.

ACGIH A3: Animal carcinogen: Agent is carcinogenic in experimental animals at a relatively high or dose,

by route(s) of administration, at site(s), of histologic type(s),

or by mechanism(s) not considered relevant to worker exposure. Available epidemologic studies do not confirm an increased risk of cancer in exposed humans.

Available evidence suggests that the agent is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

IARC-2A: Probably carcinogenic to humans: limited human evidence; sufficient evidence in experimental animals

Reproductive toxicity: May damage fertility or the unborn child.

Specific target organ system toxicity - repeated exposure: May cause damage to organs through prolonged or repeated exposure. Specific target organ system toxicity - single exposure: No effects known.

Aspiration hazard: No effects known.

Subacute to chronic toxicity: No effects known.

Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this

substance is not fully known.

SECTION 12. ECOLOGICAL IN	FOR	MATIC	DN		· · ·	··.	'
Toxicity				'		1	۰.,
Aquatic toxicity: No data available							
Persistence and degradability No data available					1. 1.		
Bioaccumulative potential No data available							
Mobility in soil No data available Ecotoxical effects:	1		·	·		· :	·
Remark: Very toxic for aquatic organisms Additional ecological information:				. :			
Do not allow product to reach groundwater, wate	r cours	es, or sew	/age sy	stems,	even in sr	nall	'
quantities.	·			·			·
Danger to drinking water if even extremely small	quantit	ies leak ir	nto the g	ground.			
Also poisonous for fish and plankton in water boo	dies.				1.		
May cause long lasting harmful effects to aquation							
Avoid transfer into the environment.			· · .	'		**.	'
Very toxic for aquatic organisms	1		1	·			۰.,
Results of PBT and vPvB assessment							
PBT: N/A			; • •			;**	
vPvB: N/A			•••			•••	

				1			,			
Other adverse effects No data	available	;	'	1 - 1 1		'		· · .		
		· .	1. 1.			1			·	
SECTION 13. DISP	OSAL	CON	SID	ERAT	IONS					
Waste treatment methods			1 1 1		111		14. 1			,
Recommendation Consult offic	cial regula	ations to	o ensur	e proper	disposal	'		· · .	'	
Uncleaned packagings:					,					
Recommendation: Disposal m	lust be ma	ade acc	cording	to officia	l regulatio	ons.		1		
		1 1 1 1	, , ,		1 1 1 1		1.	1 1 1 1		,
SECTION 14. TRAN	ISPOF		IFOR	MAT	ION	'		· · .		
UN-Number		·	·			·	'		·	
DOT, IMDG, IATA UN2291										
UN proper shipping name										
DOT RQ Lead compounds, so	oluble, n.o	.s. (Lea	ad(II) io	dide)						
MDG, IATA LEAD COMPOU	ND, SOLU	JBLE, N	N.O.S. ((Lead(II)	iodide)		1	· · .		
Transport hazard class(es)	¹		1			1. I.		1	1 1	
DOT										
Class 6.1 Toxic substances.	14			1. 1.	1.1.1		1.	: * *		
Label 6.1		· · ,								
Class 6.1 (T5) Toxic substanc	es									
Label 6.1			1 	1.1 ¹		·	'	1	1	
IMDG, IATA										
Class 6.1 Toxic substances.La	abel 6.1			1.	; • •					
Packing group	н н н	· · ·		н н н	· · .	'		· · .		
DOT, IMDG, IATA III		• .	·		· .	·		· .	·	
Environmental hazards: Enviro										
Special precautions for user W	Varning: T	oxic su	ıbstanc	es			· .			
EMS Number: F-A,S-A										
Segregation groups Heavy me	etals and f	their sa	Its (incl	udina the	eir ordano	ometall	ic compo	ounds). le	ead	

and			· · .								
its compounds											
Transport in bulk ac	cording to	Annex II	of MAR	POL73	/78 and 1	the IBC (Code N	/A		1.1	
Transport/Additional											
DOT		14			14. 1						
Hazardous substanc	e: 10 lbs	, 4.54 kg	· · .		н н н		¹		· · .		
Marine Pollutant (D0)T): No			,							
UN "Model Regulation											
· · · · · · · · · · · · · · · · · · ·				1							,
					i.						
SECTION 15	REG	ULATO	ORY	INFC	RMA	TION			· · · .		
Safety, health and e	nvironme	ntal regula	ations/le	gislatio	on specifi	c for the	substa	nce or m	ixture	5	
GHS label elements	, including	g precauti	onary s	tateme	nts						
Hazard pictograms		1. 1.			1.			1.			
GHS07 GHS08											
			Ч.,		н н н	· · .					
Signal word Danger											
Signal word Danger Hazard statements	1	'	1								
Signal word Danger Hazard statements H302+H332 Harmfu	l if swallo	wed or if i	nhaled.	*	*	:	*		1	1	
Signal word Danger Hazard statements H302+H332 Harmfu H360 May damage f H373 May cause da	l if swallo ertility or	wed or if i the unbor	nhaled. n child.			:: :··			1		

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P281 Use personal protective equipment as required.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations

All components of this product are listed in the U.S. Environmental Protection Agency Toxic

Substances Control Act Chemical substance Inventory.

All components of this product are listed on the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings)

10101-63-0 Lead(II) iodide

California Proposition 65

Prop 65 - Chemicals known to cause cancer

10101-63-0 Lead(II) iodide

Prop 65 - Developmental toxicity Substance is not listed.

Prop 65 - Developmental toxicity, female Substance is not listed.

Prop 65 - Developmental toxicity, male Substance is not listed.

Information about limitation of use: For use only by technically qualified individuals.

Other regulations, limitations and prohibitive regulations

Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006.

Substance is not listed.

The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the

market and use must be observed. Substance is not listed.

Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.