

SAFETY DATA SHEET

	: É			1	; • •		e ^r		Date	Accesse	ed: 25/08	3/2023
					'			¹	Dat	e Revise	ed: 14/12	2/2022
· · .		н н 1	· · · .		1 - 1 1			· · ·			1 - 1 1	
SEC		I 1. IC	ENT									
					: ' '					:	: * *	
	uct Nam											
CAS	#: 7681-0	65-4					¹					
Relev	vant iden	tified u	ses of t	he subs	stance: S	Scienti	fic resea	rch and	l develo	opment		··.
Supp	lier deta	ils:										
Stanfo	ord Adva	nced Ma	aterials			1						
E-mai	il: sales@) samate	erials.co			1 1	1			i		
		0004		'	'			'				
	949) 407	-0904										
Tel: (9	949) 407 ess: 2366			_ake For	est, CA s	92630	U.S.A.					

Classification of the substance or mixture	e in acc	ordanc	e with 29 (CFR 19	10 (OS	HA HCS)		
GHS07						· .		
Acute Tox. 4 H302 Harmful if swallowed.								
Skin Irrit. 2 H315 Causes skin irritation.						:		
Eye Irrit. 2A H319 Causes serious eye im	ritation.							
STOT SE 3 H335 May cause respiratory	irritatio	n.	· · · ·	'		'		
Hazards not otherwise classified	н н н			1 I	· · .	1		· · .
No data available								
GHS label elements		1 1 - 1		1 1 1 1		:	: • •	
GHS label elements, including precaution								

	·										
Hazard pictogram	S,										
GHS07											
Signal word: War	ning	1		· · · .	1		· · · .	`:		· · · ·	
Hazard statement	S										
H302 Harmful if s	wallowed.	:							111		
H315 Causes skir	h irritation.H	319 Caus	es seric	ous∘eye	irritation						
H335 May cause	respiratory i	rritation.			· .			· .			
Precautionary sta					i	1			1		
P261 Avoid breat	hing dust/fur	me/gas/m	ist/vapo	ors/spra	у.						
P280 Wear protec	ctive gloves/	protective	e clothin	g/eye p	protection						
P305+P351+P338		S: Rinse o	autious	ly with	water for	several	minute	s. Remo	ve conta	ct	
lenses, if present	and easy to	do. Cont	nue rins	sing.	`:			· .		· · .	
P304+P340 IF IN	HALED: Rei	move per	son to fr	esh air	and kee	p comfoi	table fo	or breath	ing.		
P405 Store locked	d up.		: • •		i.	111		e l'	111		:
P501 Dispose of	contents/cor	ntainer in					ational	/internati	onal		
regulations.											
WHMIS classifica	tion	1	· · ·	· · .		1 - 1 1	· · .			· · .	1
D2B - Toxic mate	rial causing	other toxi	c effects	S							
Classification syst	tem	:	1.1.1								:
HMIS ratings (sca	le 0-4)										
(Hazardous Mater											
HEALTH				· · · .	1		· · .			· · · .	
FIRE											
REACTIVITY											
1						¹					
0											
1	· · · · · ·				i	1			1		
Health (acute effe	cts) = 1	:			. '						
Flammability = 0											
Physical Hazard =	= 1		¹		¹	¹					

				'					
Other hazards		'			'				
Results of PBT and vPvB ass									
PBT: N/A	1	1 1	11.		1 I	· · · .	1		· · .
vPvB: N/A									
			н 1 — 1		1	н н н			1
and the set of the		'					¹		
SECTION 3. COMP									
Substances		1		1		· · · .	:	,	· · · .
CAS No. / Substance Name:									
7681-65-4 Copper(I) iodide									
Identification number(s):	¹			¹	· · '		· . '		
EC number: 231-674-6	1			1					
ita ato ato ta									
SECTION 4. FIRST		NEAS	SURE	S					
Description of first aid measu				¹	· · *		¹		
If inhaled:			· · · .			· · · .			· · .
Supply patient with fresh air.	If not brea	athing, p	orovide	artificial ı	respiratio	on. Kee	p patient	warm.	
Seek immediate medical adv									
In case of skin contact:									
Immediately wash with soap	and water	r; rinse t	horoug	hly.					
Seek immediate medical adv	ice.	1	· · ,		1 I 1	· · .	1	н н н	· · .
In case of eye contact:									
Rinse opened eye for severa	l minutes	under ru	unnina v	water. Co	onsult a i	ohvsicia	an.		1 1 1
If swallowed:									
Seek medical treatment.Infor		r doctor							
Most important symptoms an			· · .	delaved		•••	1		· · .
No data available				-					
Indication of any immediate r							:		1 1 1
No data available									
no uata avaliable									

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media	· · .			· · ·			11.			11			
Suitable extinguishing a	-												
Product is not flammabl	ire.	: ' '											
Special hazards arising													
If this product is involved in a fire, the following can be released:													
Hydrogen iodide (HI)		1											
lodine (I2) Metal oxide fume													
Advice for firefighters		¹	'	1.1.1	· · · ·								
			· · ·	11.	`:		· · .	`:		· · .			
Wear self-contained res	spirator												
Wear fully protective im	perviou	ıs suit	: · · ·			: • •	: .		:**				

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures														
Use personal protective equipment. Ke	Use personal protective equipment. Keep unprotected persons away.													
Ensure adequate ventilation														
Environmental precautions:														
Do not allow material to be released to the environment without official permits.														
Methods and materials for containment														
Dispose of contaminated material as waste according to section 13.														
Ensure adequate ventilation.														
Prevention of secondary hazards:														
No special measures required.	,	· · .	:		· · ·			• • •						
Reference to other sections			1											
See Section 7 for information on safe h	andling		:			1								
See Section 8 for information on person	nal prote	ction ec	quipment.	'										

					1	1					
See Section 13	for disposal in	formation.	¹		'			'			
··		· :	1 I	· · .	· .	1 - 1 1	· · .	1	1 - 1 1	···.	
SECTION	7. HAND	LING A	ND	STO	RAG	E					
Handling		:			;	111		:	111	, , ,	:
Precautions for	safe handling		'								
Handle under d	ry protective g	as.									
Keep container	tightly sealed.				i	1		;			;
Store in cool, dr	y place in tight	ly closed c	ontain	erș.					;**		
Ensure good ve	ntilation at the	workplace			,						
Information abo	ut protection a	gainst expl	losion	s and fi	res:			'	¹		
The product is r	not flammable			· · .						· · .	
Conditions for s											
Requirements to	o be met by sto	prerooms a	and red	ceptacle	es:No sp	ecial req	uireme	nts.			:
Information abo											
Do not store tog		ls.	1.1			1.1		¹	1.1		
Store away fron	n oxidizing age	ents.	· · ·	· · .			· · .		н н н	· · .	
Store away fron	n air.										
Store in the dar	k.		; • •	н 1 - 1	1	111		:	111	, , ,	:
Store away fron	n water/moistu	re.	'								
Further informa	tion about stor	age conditi	ons:								
Store under dry	inert gas.						11. 1			· · .	
This product is	moisture sensi	tive.									
This product is	air sensitive.	:		н 1 - 1				t.			
Keep container	tightly sealed.		'								
Store in cool, dr	y conditions in	well-seale	d cont	ainers.							
Protect from hu	midity and wat	er.			:		· · ·	:		···,	
Protect from ex	posure to light.			ı	. 1	100		. 1		,	
Specific end us	e(s)										
No data availab	le	1.1	'		'	· · · '		'			

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:														
Properly operating chemical fume hood designed for hazardous chemicals and having an average														
face velocity of at least 100 feet per minute.			'	'		'								
Control parameters			· .			· .								
Components with limit values that require m					,	1								
None.														
Additional information: No data														
Exposure controls														
Personal protective equipment														
Follow typical protective and hygienic practic														
Keep away from foodstuffs, beverages and	feed.		:			: :								
Remove all soiled and contaminated clothin														
Wash hands before breaks and at the end o														
Avoid contact with the eyes and skin.			`:	1 I	· · .	1	н н Н	•••						
Maintain an ergonomically appropriate work	king env	vironm	ient.											
Breathing equipment:	· · ·		:			:	111							
Use suitable respirator when high concentra	ations a	are pre	sent.	'										
Protection of hands:														
Impervious gloves					· · .			11.						
Inspect gloves prior to use.														
Suitability of gloves should be determined b	oth by	mater	ial and qu	iality, th	ie latter	of which	may va	r y						
by			'	'										
manufacturer.	1					1								
Penetration time of glove material (in minute	es): No	data a	available		· · .	;	1	· · .						
Eye protection: Safety glasses	1 1													
Body protection: Protective work clothing.	1		;			;								

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties			· · .			11	1
Appearance:							
Form: Crystalline/PowderColor: White to pale brown				: ¹			;
Odor: Weak		'			'		
Odor threshold: No data available.				1			
pH: N/A		1	· · .	;	1	· · ·	:
Melting point/Melting range: 605 °C (1121 °F)	1						
Boiling point/Boiling range: ca 1290 °C (ca 2354 °F)		ı					:
Sublimation temperature / start: No data available		'			'		
Flammability (solid, gas): No data available.							
Ignition temperature: No data available							
Decomposition temperature: No data available							:
Autoignition: No data available.							
Danger of explosion: No data available.		'			'		
Explosion limits:		1 I	· · .			· · .	1
Lower: No data available							
Upper: No data available	1	; · · ·		:	; • •	: 	;
Vapor pressure: N/A							
Density at 20 °C (68 °F): 5.63 g/cm							
3 ¹¹ .	1	1 I	· · .			· · .	1
(46.982 lbs/gal)							
Relative density: No data available.							:
Vapor density: N/A							
Evaporation rate: N/A							
Solubility in / Miscibility with		1	· · .		1	11.	
Water at 20 °C (68 °F): 0.08 g/l							
Partition coefficient (n-octanol/water): No data available	Э.	1		1	,		:
Viscosity:	¹				'		

1 1 1					1						
Dynamic: N/A						*			*		
Kinematic: N/A											
Other information	· · · .			· · .			· · .			· · · .	
No data available							ı				
		i.		1 1	i		1 1	i			
SECTION 40								1.1	¹		
SECTION 10. S							· · .			· · .	
Reactivity											
No data available			111		:			÷			
Chemical stability											
Stable under recomme	ended s	torage c	onditions.						· · · *		
Thermal decomposition	n / cono	ditions to	be avoid	ed:	1		· · .			· · .	
Decomposition will not	occuri	if used a	nd stored	accor	ding to s	pecificat	ions.				
Possibility of hazardou	s react	ions	: · · ·				1				
No dangerous reaction	s know	/n									
Conditions to avoid											
No data available	· · .			· · .	1		· · .			· · .	
Incompatible materials											
Acids			; * *		1	111	1				
Air											
Water/moisture											
Oxidizing agents	· · · .						· · .			· · · .	
Light											
Hazardous decomposi	tion pro	oducts:	1			1			1		
Hydrogen iodide (HI)		¹			¹						
lodine (I2)		· .			· .			· .			,
Metal oxide fume	r		,		,		,			,	
						: ' '					
SECTION 11.1											

			1	1	1 1 1		1	1		
Information on toxic	cological effects			'	'			'		
Acute toxicity: Harn	nful if swallowed									
LD/LC50 values tha	at are relevant fo	or classificat	ion: Ora	al LD50 1	290 mg	/kg (rat)))		11.	
Skin irritation or cor	rosion: Causes	skin irritatio	n.							
Eye irritation or cor	rosion: Causes s	serious eye	irritatior	; ['] 1.						:
Sensitization: No se	ensitizing effects	known.			'			'		'
Germ cell mutageni Carcinogenicity:	icity: No effects	known.	···,		н н н	Ч.,	;		11. 1	
EPA-D: Not classifi	able as to huma	n carcinoge	enicity: ir	nadequat	e huma	n and a	nimal evid	dence o	f	
carcinogenicity or n	o data are avail	able.		i.			i			i
Reproductive toxici	ty: No effects kn	own.			'			'		'
Specific target orga					ffects kr	nown.			· · .	
Specific target orga	n system toxicit	y - single ex	posure	May cau	ise resp	oiratory	irritation.			
Aspiration hazard: I	No effects know	n.								
Subacute to chronic										
Additional toxicolog	ical information:	· · · '			'			'		
To the best of our k	howledge the ad	cute and ch	ronic to:	kicity of th	nis subs	tance is	s not fully	known.		1

SECTION 12. ECOLOGICAL INFORMATION

Toxicity											
Aquatic toxicity:	11.			11.			· · .			11.	1
No data available											
Persistence and degrad	dability	1			:			:			;
No data available						¹					
Bioaccumulative potent	ial	· :	· ·	· · .	· .		· · .				
No data available											
Mobility in soil No data available			1 1 1 1					1			;
Ecotoxical effects:									1.1		

Remark:	'			'									
Very toxic for aqu	uatic org	janisms	6										
Additional ecolog	ical info	ormation	ו:					· · ·			· · .		
Do not allow material to be released to the environment without official permits.													
Do not allow product to reach groundwater, water courses, or sewage systems, even in small													
quantities.						· · ·	'						
Danger to drinkin	g water	if even	extremel	y small	quantit	ies leak in	to the g	ground.					
Also poisonous fo	or fish a	nd plan	kton in wa	ater boo	lies.		1	· · ·	:				
May cause long l	asting h	armful	effects to	aquatio	life.								
Avoid transfer int	o the er	nvironm	ent.						i				
Very toxic for aqu	uatic org	janisms	5	1.1			'						
Results of PBT a	nd vPvE	3 asses	sment										
PBT: N/A													
vPvB: N/A									:				
Other adverse eff	fects												
No data available	; · · ·												
				1 I	1	1 1	1 1	1		1	1		

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods												
Recommendation												
Consult official regulations to ensure proper disposal.												
Uncleaned packagings:												
Recommendation:									· · ·	;		
Disposal must be made accord	ing to offi	cial reg	ulations	. '		1.1.1		'				

SECTION 14. TRANSPORT INFORMATION

UN-Number

										1 1 1		
UN3077				'			'					
UN proper shipp	0											
DOT		· · .			· · .			· · .				
Environmentally												
IMDG, IATA							; • •					
ENVIRONMENT			'									
Transport hazaro	d class((es)										
DOT, IMDG												
Class			a' i					1				
9 Miscellaneous	dangei	rous su	bstances	and art	icles.							
Label				'		¹	'		'	'		'
9, ,	· · ·	· · .			· · .			· · .			· · .	
Class												
9 (M7) Miscellan	eous d	angero	us substa	nces ar	nd articl	es		1 1 1	i.	; • •		
Label				'			'					
9												
IATA		· · .			· · .	`: :		· · ·			11. 1	1
Class												
9 Miscellaneous	dangei	rous su	bstances	and art	icles.		; • •				н 1 - 1	
Label				'			'					'
9												
Packing group				,		1	,		1			:
DOT, IMDG, IAT	A											
III												
Environmental h	azards:			'			'					'
Special marking					· · .			· · .			· · .	
Symbol (fish and	l tree)											
Special marking				1 1 1 1		:	1.1.1 1		÷	; • •		
Symbol (fish and				,								
Special precaution	ons for	usër		1.1								

Warning: Miscell	aneous	dange	erous subs	ances	and ar	ticles			'		
EMS Number:											
Transport in bulk	accord	ling to	Annex II o	f MARI	POL73/	78 and the	e IBC C	ode			
N/A			1		н 1 — 1			, , ,		 	;
Transport/Addition	onal info	ormatio	n: ·ˈ	'			1. ¹		'	 	
DOT Marine Pollutant			1	1 1 1	···,	1		· · .	`;	 ···,	
No UN "Model Regu											:
iodide), 9, III	1.1 ¹									 	

SECTION 15. REGULATORY INFORMATION

		1 1						
Safety, health and environmental regul	ations/le	egislatic	on specific	for the	substa	nce or m	ixture	
GHS GHS label elements, including pro	ecautior	nary sta	tements				¹	
Hazard pictograms		· · .	· .		· · .			
GHS07								
Signal word: Warning	: • •		:	1 I I 1		e ^r		
Hazard statements								
H302 Harmful if swallowed.								
H315 Causes skin irritation.		· · .			· · .			
H319 Causes serious eye irritation.								
H335 May cause respiratory irritation.	: ' '			: ' '		e l'		
Precautionary statements				'				
P261 Avoid breathing dust/fume/gas/m	ist/vapo	ors/spra	у.					
P280 Wear protective gloves/protective	e clothin	g/eye p	rotection/	face pro	otection			,
P305+P351+P338 IF IN EYES: Rinse of	cautious	ly with	water for s	several	minute	s. Remo	ve contac	;t
lenses, if present and easy to do. Cont	inue rins	sing.	:			: ¹		
P304+P340 IF INHALED: Remove per	son to fr	esh air	and keep	comfor	table fo	or breath	ing.	

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 Domestic Substances List (DSL). SARA Section 313 (specific toxic chemical listings) 7681-65-4 Copper(I) iodide California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. 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. This product is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40CFR372. 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.

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		:	1 I I 1			1.1.1		1 1 1		, , ,	:			:
¹		'	¹						'		'	'		'
	· · .	1	н н н	· · .	1	н н н	· · · .	1		· · .			11.	1
		:'			1 1 1			1 1 1	; ···		;			:
¹		'	¹						'		'	'		'
	· · .	1	н н н	· · .	1	н н н	· · · .	1		· · .			11.	1
		:			1 1 1			1 1 1			:			:
'		'	¹						¹		'	'		'
	· · .	1	1 I 1	· · .	1	1 I 1	· · · .	1	1 - 1 1	· · .			· · .	1
		;*	, , , , ,		1 1 1			1 1 1			;			:
		'				¹					'			'
		1			1			1			1			1