

SAFETY DATA SHEET

				: ¹			:		Date	Accesse	d: 25/08	3/2023
		. * *							Dat	e Revise	d: 27/11	/2022
				· · ·			1 I					
SEC	TION	1. ID	ENT	IFICA								
	ct Name									ť		
CAS #	: 20661-2	21-6			. **	н н н					. **	
Releva	ant ident	ified us	ses of t	he subs	tance: S	Scienti	fic resea	rch and	develo	pment		
Suppli	ier detail	s:										
	rd Advan : sales@s				:**		:	111		:	: • •	
	10\.102-8	3904										
Tel: (94	+5) +07-0											
	ss: 23661			_ake Fore	est, CA 🤅	92630 (J.S.A.					

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Hazards not otherwise classified

No data available

GHS label elements

GHS label elements, including precautionary statements

Hazard pictograms

GHS07

						1 1 1					
Signal word: Warr	ning										
Hazard statement	S										
H315 Causes skir	n irritation.	· · ·									
H319 Causes seri	-										
Precautionary sta	tements				: ¹						:
P280Wear protec	tive gloves/p	rotective	clothing	ı/eÿė pi	rotection/	/face pro	tection.				. 1
P305+P351+P338	B IF IN EYES	: Rinse c	autious	ly with	water for	several	minute	s. Remo	ve conta	ct	
lenses, if present	and easy to	do. Conti	nue rins	sing.	,						
P362 Take off contamin	ated clothing		111		:	: • •		:			:
Specific treatment	t (see on this	alabel).		. '			. '				
P332+P313				1	,		1				
If skin irritation oc	curs: Get me	edical adv	vice/atte	ntion.							
P337+P313		,			·						
If eye irritation per	rsists: Get m	edical ad	vice/atte	ention.		. 11			111		. '
WHMIS classifica	tion										
D2B - Toxic mater	rial causing o	other toxic	c effects	6							
Classification syst	tem	:	: • •	, , ,	:			e ^r			:
HMIS ratings (sca	le 0-4)				.'			. *			
(Hazardous Mater	rials Identific	ation Sys	tem)								
Health (acute effe	cts) = 2				1 I						
Flammability = 0											
Physical Hazard =	= 1		: * *		:			÷			:
Other hazards							1 - 1 1				
Results of PBT ar											
PBT: N/A	an shi			. '			. '			. '	
vPvB: N/A	:	1	1.1.1					:			:

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	i i		1 - 1 1		$\mathcal{A}^{(1)}$		$\mathcal{A}^{(1)}$
CAS No. / Substance Name:							
20661-21-6 Indium (III) hydroxid	e	; • •	 :	; * *		: * *	
Identification number(s): EC number: 243-947-7							

SECTION 4. FIRST AID MEASURES

Description of first aid measures	5				. 11			111
If inhaled:								
Supply patient with fresh air. If r	1							arm.
Seek immediate medical advice In case of skin contact:	.'		н 1 - 1	:		, , ,		
Immediately wash with soap and	d water; ri	inse the	oroughly	/ <u>.</u>				
Seek immediate medical advice				1 I				
In case of eye contact:								
Rinse opened eye for several m	inutes un	der run	ining wa	iter. Cons	ult a ph	ysician		; • •
If swallowed:								
Seek medical treatment.						1		. 11
Information for doctor	н н н			1 I			1 I	
Most important symptoms and e	effects, bo	th acut	e and d	elayed				
No data available	:	1 1 1 1		:	; • •			;**
Indication of any immediate med				al treatme				
No data available		,			,			

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

If this product is involved in a fire, the following can be released:

Advice for firefighters

Protective equipment: Wear self-contained respirator.

Wear fully protective impervious suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective eq	uipment ar	nd emer	gency pro	ocedures	5			
Use personal protective equipment	. Keep unp	rotected	l persons	away.			: • •	
Ensure adequate ventilation								
Environmental precautions:		1						,
Do not allow material to be released	d to the env	/ironme	nt without	t official	permits	S		
Methods and materials for containn	nent and cle	eanup:						
Pick up mechanically.			:	111	1 1 - 1	ti i	111	
Prevention of secondary hazards:								
No special measures required.								
Reference to other sections								
See Section 7 for information on sa	-							
See Section 8 for information on pe	rsonal prot	ection e	quipmen	t.				
See Section 13 for disposal informa	ation.	н н н			н н н			

SECTION 7. HANDLING AND STORAGE

Handling Precautions for safe handling

Keep container tightly sealed.										
Store in cool, dry place in tightly	y closed co	ntaine	rs.							
Ensure good ventilation at the v	vorkplace.									
Information about protection ag No data available	ainst explo	sions	and fire	es:	1 1 1 1		÷	, , , , ,		;
Conditions for safe storage, inc	luding any	incom	patibili	ies						
Requirements to be met by stor No special requirements.	rerooms ar	id rece	ptacle	5:			· · ·			
Information about storage in on No data available	e common	storaç	ge facil	ity:	111		a' -	:		
Further information about stora	ge conditio	ns:	· ·							
Protect from carbon dioxide.	1 - 1 1			1 - 1 1			н н н			
Keep container tightly sealed.										
Store in cool, dry conditions in v	well-sealed	conta	iners.	:			:		. :	:
Specific end use(s) No data available						1 1 1				
<u> </u>								iii		

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. Exposure controls Personal protective equipment Follow typical protective and hygienic practices for handling chemicals. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Maintain an ergonomically appr	opriate wo	orking	environr	nent.	 1 I		
Breathing equipment:							
Use suitable respirator when high	gh concen	tration	s are pr	esent.			
Protection of hands:							
Impervious gloves					 		
Inspect gloves prior to use.		, · · ·	· · ·		 · ·		
Suitability of gloves should be d							
manufacturer.							
Eye protection: Safety glasses			н 1 1	t. L	 1	t.	
Body protection: Protective wor	k clothing.		н н н		 1 1		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basis physical and aba	miaalara							
Information on basic physical and che								
Appearance:							. * *	
Form: Powder			н н н			1 - 1 1		
Color: White								
Odor: No data available	111		:			e la compañía de la c	:**	
Odor threshold: No data available.								
pH: N/A								
Melting point/Melting range: 150 °C (3	02 °F) ((-	H2O))	1 I			н н н		
Boiling point/Boiling range: No data av	vailable							
Sublimation temperature / start: No da	ita availa	ble	:			i'	111	
Flash point: N/A Flammability (solid, gas): No data ava		1 - 1 1			н н н			
Ignition temperature: No data available						н н н		
Decomposition temperature: No data a	available							
Autoignition: No data available.	111					af i		
Danger of explosion: Product does no	t present	an expl	losion haz	zard.	1 I			

Explosion limits:							1 I			1 1	
Lower: No data availab											
Upper: No data availab	le				1						
Vapor pressure: N/A											
Density: No data availa	ble	t.							111		1
Relative density: No da	ita avai	lable.					1 I		19	1 1	
Vapor density: N/A				. '							
Evaporation rate: N/A		,		,							
Solubility in Water (H 2	, , ,	1	1 1 1			1 1 1		t.			
O): Insoluble	н н н			· ·			н н н				
Partition coefficient (n-c	octanol/	/water):	No data	availab	le.Viscos	sity:					
Dynamic: N/A											
Kinematic: N/A		:									
Other information											
No data available											

SECTION 10. STABILITY AND REACTIVITY

Reactivity									
No data available									
Chemical stability								 	
Stable under recommend		0							
Thermal decomposition	/ condit	ions to be	avoide	d:			1		
Decomposition will not o	ccur if	used and	stored a	accordir	ng to spec	cificatio	ns.		
Possibility of hazardous	reactio	ns							
No dangerous reactions							.'		.'
Conditions to avoid		.'			. '			 	
No data available		,			ı				
Incompatible materials:	н н н						н н н		

										:
No data available			1 I 1			н н н				. *
Hazardous decomposition pr	oducts:									
Metal oxide fume										
	;	; · ·		i'	;··		e la companya de la c	111	. :	;
SECTION 11. TOX	ICOLO)GIC/		IFOR	MATIO	ON				
Information on toxicological e	effects		. '							
Acute toxicity:	I		,							
No effects known.	. 1	1.1			111	,		111		
LD/LC50 values that are rele	vant for c	lassificat	tion:				,			
No data			1		. * *	1				1
Skin irritation or corrosion:										
Causes skin irritation.										
Eye irritation or corrosion:	:	111		e la compañía de la c	111			111		:
Causes serious eye irritation	-									
Sensitization:				. '	, , ,	,	. '			
No sensitizing effects known										
Germ cell mutagenicity:										
No effects known.	t.						i l	1.1.1		:
Carcinogenicity:	. *									
No classification data on card	cinogenic	properti	es of th	is materi	ial is ava	ilable fr	om the E	EPA, IAR	C,	
NTP, OSHA or ACGIH.	1 - 1 1						н н н			
Reproductive toxicity:										
No effects known.	, ¹		, , ,	t.						:
Specific target organ system	toxicity -	repeated	l expos	ure:						
No effects known.										
Specific target organ system										
No effects known.			1							
Aspiration hazard:			1 1		1	1		1	1 1	:
No effects known.										

Subacute to chronic toxicity:

Exposure to indium compounds may cause pain in the joints and bones, tooth decay, nervous andgastrointestinal disorders, heart pain and general debility.

Experiments with animals also indicate that indium may cause reduced food and water consumption with weight loss, pulmonary edema, pneumonia, blood, liver and kidney damage, leg paralysis and damage to the brain, heart, adrenals and spleen.

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 INFORMATION

Toxicity Aquatic toxicity:	111	, , ,	, , ,			:		
No data available		1			· · ·			н н н
Persistence and degradability			н н н					
No data available								
Bioaccumulative potential		1				÷		
No data available Mobility in soil		н н н	, ' ,	- 1 - 1 	· · ·			
No data available								
Additional ecological information:								
Do not allow material to be release	d to the env	vironme	nt withou	It official	permits	. :	111	
Avoid transfer into the environment								
Results of PBT and vPvB assessm	ent							
PBT: N/A			1 - 1 1					
vPvB: N/A								
Other adverse effects		1	t.					
No data available			, i 1		1 I 1			

							,			
SECTION 13. DIS	SPOSA		ISID	ERAT	IONS	1 - 1 1				
Waste treatment methods										
Recommendation										
Consult official regulations	to ensure	proper di	sposal.	: ¹	111			111	1	
Uncleaned packagings:						1 I				
Recommendation:						1			1	
Disposal must be made ac	ccording to					, '			. '	
al at at .				:			:	:		
SECTION 14. TR	ANSPC		IFOR		ION					
Not a hazardous material	for transpor	tation.		1 I 1						
UN-Number										
DOT, IMDG, IATA		; • •		:	111		t.			
None										
UN proper shipping name					, , ,					
DOT, IMDG, IATA	н н. н н			1 I			н н н			
None										
Trånsport hazard class(es) i : '			:			1			
DOT, ADR, IMDG, IATA										
Classinone										
Packing group	· · · ·									
DOT, IMDG, IATA										
None		1	1 1		1					
Environmental hazards:			1 - 1 1						1	
N/A										
Special precautions for us	er		,	,		,	'		1	
N/A				:						
Transport in bulk according	g to Annex	II of MAF	RPOL73	/78 and	the IBC	Code				
N/A										. '

Transport/Additional informa	tion:								
Not dangerous according to									
DOT				1 I			1 I		
Marine Pollutant (DOT):									
No				ť			t.	; • •	
Safety, health and environme	ental regul	ations/leg	gislatio	on specifi	c for the	substa	ince or m	nixture	
GHS GHS label elements, in									
Hazard pictograms									
		,		1	ı		1	,	
SECTION 15. REG	ULAT	ORY I	NFC	RMA	TION	н н н			
GHS07				1 - 1 1					
Signal word: Warning									
Hazard statements				:			t.	; • •	
H315 Causes skin irritation.				,					
H319 Causes serious eye irr	itation.		1	.'		,			
Precautionary statements	1 I			1 - 1 1					
P280									
Wear protective gloves/prote	ective cloth	ing/eye p	protect	ion/face	protectic	n.	: É	: • •	
P305+P351+P338 IF IN EYE	ES: Rinse o	cautiously	y with	water for	several	minute	s. Remo	ve conta	ct , ,
lenses, if present and easy to	o do. Cont	inue rinsi	ng.	i i	ı		,	ł	'
P362				1 I			1 I		
Take off contaminated clothin	•								
P321				: É			t.	; • •	
Specific treatment (see on th	is label).								
P332+P313									
If skin irritation occurs: Get n									
P337+P313						,			
If eye irritation persists: Get r					1			1	
National regulations									

All components of this product are listed	in the L	J.S. Env	vironmenta	al Prote	ection A	gency To	xic						
Substances Control Act Chemical substa	ince Inv	entory.											
All components of this product are listed	on the	Canadi	an Non-Do	omestic	Subst	ances List	(NDSL	.).					
SARA Section 313 (specific toxic chemical listings)													
Substance is not listed.		1				: The second sec							
California Proposition 65													
Prop 65 - Chemicals known to cause car	icer	. •						. '					
Substance is not listed.			I										
Prop 65 - Developmental toxicity		,											
Substance is not listed.													
Prop 65 - Developmental toxicity, female	Substa	nce is n	ot listed.										
Prop 65 - Developmental toxicity, male			1 I			н н н							
Substance is not listed.													
Information about limitation of use:	1 - 1 - 1 1		:	1 1 1 1		1							
For use only by technically qualified indiv	viduals.		1										
Other regulations, limitations and prohibi	tive reg	ulations	6		,		. * *						
Substance of Very High Concern (SVHC) accor	ding to	the REAC	H Reg	ulations	(EC) No.	1907/2	006.					
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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