

SAFETY DATA SHEET

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SE	CTION	1. ID	ENT	IFICA								
Prod	uct Name						1 - 1 1				111	.:
,	#: 7440-7											
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	ess: 2366											
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	CTION sification o									 		
Class	sification a	ccordin	g to Re	gulation	(EC) No	1272/2	2008			1		
The s	substance	is not c	lassifie	d as haz	ardous te	o healtl	h or the e					
regul	ation.									: •		
Haza	ards not otl					. '			. '	1		. '
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(acute effe	ects) =	: 0			1 1							
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nazards	111						111	.:		; • •	.1	
s of PBT a	nd vPv	vB ass	essment									
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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances CAS No. / Substa			;••	.:	· ·		н н н	 ,÷	
7440-74-6 Indiun	n					 		 	

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Identification number(s):										
EC number:										
231-180-0	1. a.e.			1				, , ,		÷.,
a an an a						.1	1 - 1 1	1 1 1 1	.1	
SECTION 4. FIRST		IEAS	URE	S						
Description of first aid measu General information	res		1 - 1 1			1 - 1 1	·		1 - 1 1	÷.,
No special measures required	1									
Seek medical treatment in ca	se of com	plaints.	1 1 1							
In case of skin contact:	1		1 I	1			1			·
Generally the product does no										
In case of eye contact:	н н 1		.1	н н Н	: • •					
Rinse opened eye for several	minutes u	under ru	unning	water. If s	ymptom	ns persi	st, consı	ılt a doct	or.	
If swallowed:			1 1				1			
If symptoms persist consult d	octor.		1 I	1	1.1	н н н	1.0	н 1 - 1	н н 1	·
Information for doctor										
Most important symptoms and	d effects, l	both ac	ute and	l delayed	111		н н н	111		
No data available	н н н									
Indication of any immediate m	nedical att	ention a	and spe	ecial treat	ment ne	eded				
No data available				<u>'</u>						
	1 - 1 1	111		н н н			1 - 1 1	1 1 1 1	.:	
SECTION 5. FIREF	IGHTI		IEAS	SURES	5		1 I			
Extinguishing media	5									
Special powder for metal fires	s. Do not u	ise wate	er.							
For safety reasons unsuitable	-		entsWa	ater						
Special hazards arising from	the substa	ance or	mixture)					1 1 - 1	

If this product is involved in a	a fire, the f	following	can be	e release	d:					,
Indium oxide										
Advice for firefighters				1	н 1 - 1		1.1			
Protective equipment:										
No special measures require	ed.									
<u> </u>	1 - 1 1			1 - 1 1					1 1 - 1	
SECTION 6. ACCI	DENT	AL RE	ELEA	SE M	EAS	JRE	S			
Personal precautions, protect	ctive equip	ment an	d emer	gency pr	ocedure	S				
Not required.			1	,			,		1	
Environmental precautions:										
Do not allow material to be r	eleased to	the env	ironme	nt withou	ut official	permit	S. '			
Methods and materials for co	ontainmen	it and cle	eanup:							
Pick up mechanically.						.:		111		
Prevention of secondary haz	zards:									
No special measures require	ed.			1					1 1	
Reference to other sections	1. co	, , ,		1.00		н н н	1.0			
See Section 7 for information	n on safe l	nandling								
See Section 8 for information	n on perso	onal prote	ection e	equipmer	nt.	.:	н н н			
See Section 13 for disposal	informatio	n.		1 - 1 1		: 	1 - 1 1			
	1			1			1			
SECTION 7. HAND										
Handling	1 - 1 1	:**			: 11	,÷		:**	, i	
Precautions for safe handling	a									
Keep container tightly sealed										
Store in cool, dry place in tig				1.00	н 1. т.	1 - 1 1	1.1			
Information about protection	-			res:						
No special measures require		T			111			111		
Conditions for safe storage,		any inco	mpatihi	lities						

				 	,			
No special requirements.								
Information about storage in one common s	torag	e facili	ty:	 1	1 			
Do not store together with acids.								
Store away from oxidizing agents.	1						.:	
Further information about storage condition	\$:		н н н					
Keep container tightly sealed.			·		·			·
Store in cool, dry conditions in well-sealed of								
Specific end use(s)		.:		 .:		: * *	.:	
No data available								
	1	1		 				

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of t	technica	ıl systei	ms:						
No further data; see section 7.	1 1		1						
Control parameters			1	н 1 — 1	1 - 1 1	1.			1.
Components with limit values that requ	ire moni	itoring a	at the wo	orkplace:					
7440-74-6 Indium (100.0%)REL (USA)	Long-te	erm valu	ue: 0.1 m	ng/m	.1			.1	1
3									1
as In TLV (USA) Long-term value: 0.1 mg/m		н н Н	1 - 1 - 1	1 1 1		1	н 1. т.		۰.
3 ,: ; · ; · ; · ; · ; · ; · ; · ; · ; · ;		.:	н н н		1	1 1 1		.:	
EL (Canada) Long-term value: 0.1 mg/	m		1 I 1	, , ,	н 1 - 1				
3 EV (Canada) Long-term value: 0.1 mg/	'n.		1			'			۰.
3 as indium					.:		;**	.:	
Additional information:	1 1 1				1 1 - 1			н 1 - 1	

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	•					:		. :	:	
uipment	·			`			1			
e and hy	/gienic pr	actices	for har	ndling ch	emicals.					
ally app	ropriate v	vorking	enviro	nment.						
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a availa inge: 15	ble.	14 °F)		 	: . :			:** . :		
a availal inge: 15 nge: 207	ble. 6.6 °C (3 ′2 °C (376	14 °F) 62 °F)			: 			:** . : : .		
a availal inge: 15 nge: 207	ble. 6.6 °C (3 ′2 °C (376	14 °F) 62 °F)			: 			:** . : : .		
	uipment e and hy ally app ve mate ve mate	uipment e and hygienic pr ally appropriate v ve material (in mi cysical and chemi forms	uipment e and hygienic practices ally appropriate working ve material (in minutes)	uipment e and hygienic practices for har ally appropriate working environ ve material (in minutes) yesical and chemical properties	uipment e and hygienic practices for handling ch ally appropriate working environment. ve material (in minutes) g.	uipment e and hygienic practices for handling chemicals. ally appropriate working environment. ve material (in minutes) HYSICAL AND CHEMICAL PRO hysical and chemical properties	uipment e and hygienic practices for handling chemicals. ally appropriate working environment. ve material (in minutes) f HYSICAL AND CHEMICAL PROPEI hysical and chemical properties	uipment e and hygienic practices for handling chemicals. ally appropriate working environment. ye material (in minutes) tysical and chemical properties	uipment e and hygienic practices for handling chemicals. ally appropriate working environment. e and in minutes) e and in minutes) e and in minutes e and in mi	uipment e and hygienic practices for handling chemicals. ally appropriate working environment. ye material (in minutes)

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Ignition temperature: N	lo data	available									
Decomposition temper	ature: N	No data av									
Autoignition: No data a	vailable	е.			1. e e e e e e e e e e e e e e e e e e e			1			
Danger of explosion: N	lo data	available.									
Explosion limits:											
Lower: No data availab	ole į	· · ·									
Upper: No data availat	ole , ,	·	ı		1			·			
Vapor pressure at 20 °							ı				
Density at 20 °C (68 °F	=): 7 _, .31	g/cm		1			:			:	
3	1			,	,		ł	,			
(61.002 lbs/gal)					1 I		1 1 1				
Relative density		5			1. 			1			·
No data available.											
Vapor density		н н 1			1 I		.1			, i	
N/AEvaporation rate						1					
N/A		t.									
Solubility in Water (H					1.0			1	н 1 - 1		1.
2											
O): Insoluble					н н н	111			111	, i	
Partition coefficient (n-	octanol	/water): N	o data a	availab	ole.						
Viscosity:											
Dynamic: N/A		1			1 		1	`			1
Kinematic: N/A											
Other information		н н Н									
No data available		· ·		1 1 - 1	н н н						
		1		1 - 1 1	1			1			·
SECTION 10. S	STAE	BILITY		RE		/ITY					
Reactivity		н н Н			1 I				111	1	

No data available

Chemical stability		,								
Stable under recommended st										
Thermal decomposition / cond				1			1			·
Decomposition will not occur if	used and									
Possibility of hazardous reaction	ons	1			1		1			
Reacts with strong oxidizing ag	gents	, , ,	1 1 - 1	1 - 1 					н 1 - 1	
Conditions to avoid No data available	1	н 1 — 1		1		1 I	1	н 1 - 1		÷.,
Incompatible materials: Acids	н н н		.:		;			;	1	
Oxidizing agents	1 I	, , ,	1 1 - 1	1 I 1			1 I	н 1 - 1		
Hazardous decomposition proc Metal oxide fume	ducts:			1 			1 			·
Indium oxide	1 I		.:						.:	
	н н н	, , ,	1 1 - 1	1 I			н н н		н 1 - 1	
SECTION 11. TOXIC	COLO	GICA	AL IN	FORM		ON	1			·
Information on toxicological eff										
Acute toxicity:	н н н			н н Н	; • •					
No effects known. LD/LC50 values that are releva				1 I						
No data					: .		1.			۰.,
Skin irritation or corrosion:										
May cause irritation	н н н		.1	н н Н	: • •				.1	
Eye irritation or corrosion:	· · ·			· · ·						
May cause irritation Sensitization:	1. 	1 1 - 1		·		1 1 1	·			÷.,
No sensitizing effects known. Germ cell mutagenicity:		1 1 1 1	.:	н н н			н н н		.1	
No effects known.	1 I		, , ,	· · ·		н 1 — 1	· · ·			

Carcinogenicity:	· · ·									,
No classification data on										
NTP, OSHA or ACGIH.							`			
Reproductive toxicity:										
No effects known.								1.1		
Specific target organ syst	tem toxicity -	repeated	l expos	ure:						,
No effects known Specific		- ,				e:	1			
No effects known.					1 1					
Aspiration hazard:			1			:			:	,
No effects known.				ı			1			
Subacute to chronic toxic	ity:			1 - 1 1		н 1 — 1	н н н		н 1 — 1	
No effects known.				1			1			
Additional toxicological in	formation:									
To the best of our knowle	dge the acut	e and ch	ronic to	xicity of	this subs	tance i	s not full	y known.		
Carcinogenic categories										
Carcinogenic categories OSHA-Ca (Occupational	Safety & Hea	llth Admi	inistrati	on)	н н н					
	-				 	 			 	
OSHA-Ca (Occupational Substance is not listed				*						
OSHA-Ca (Occupational Substance is not listed			: * :							
OSHA-Ca (Occupational Substance is not listed SECTION 12. EC	COLOGI		NFO	RMA1	ΓΙΟΝ	.:				
OSHA-Ca (Occupational Substance is not listed SECTION 12. EC	COLOGIO		NFO	RMA1	ΓΙΟΝ		· · ·			
OSHA-Ca (Occupational Substance is not listed SECTION 12. EC	COLOGIO		NFO	RMA1	ΓΙΟΝ		· · ·			
DSHA-Ca (Occupational Substance is not listed SECTION 12. EC Foxicity Aquatic toxicity: No data available	COLOGI		NFO	RMA1	ΓION Δ				 	
DSHA-Ca (Occupational Substance is not listed SECTION 12. EC Foxicity Aquatic toxicity: No data available	COLOGI		NFO	RMA1	ΓION Δ				 	
DSHA-Ca (Occupational Substance is not listed SECTION 12. EC Foxicity Aquatic toxicity: No data available Persistence and degrada	COLOGIC		NFO	RMAT	ΓΙΟΝ Δ. Δ. Δ. Δ. Δ. Δ. Δ. Δ. Δ. Δ. Δ. Δ. Δ. Δ. Δ.			· · · · · · · · · · · · · · · · · · ·		
OSHA-Ca (Occupational Substance is not listed SECTION 12. EC Toxicity Aquatic toxicity: No data available Persistence and degrada No data available	bility		NFO	RMAT						
OSHA-Ca (Occupational Substance is not listed SECTION 12. EC Toxicity Aquatic toxicity: No data available Persistence and degrada No data available Bioaccumulative potential	bility		NFO	RMAT						
OSHA-Ca (Occupational Substance is not listed SECTION 12. EC Toxicity Aquatic toxicity: No data available Persistence and degrada No data available Bioaccumulative potential No data available	COLOGIC bility		NFO							
OSHA-Ca (Occupational Substance is not listed SECTION 12. EC Toxicity Aquatic toxicity: No data available Persistence and degrada No data available Bioaccumulative potential No data available	bility		NFO							

Do not allow material to be released to the environment without official permits.

Do not allow undiluted product or large quantities to reach groundwater, water courses, or sewage systems.

	ransfer int	environr								
Results	of PBT a	/B asse	ssment							
PBT:	н н н	 	н н н			· · ·	1 1 1	н 1 - 1		
N/A vPvB:	1	 			1 I	5			1	
		, i	н н н	1 1 1 1		1 - 1 1			1 1 1	
	a available		· ·		1 1 1	н н н				

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment method	ds									
Recommendation										
Consult official regulatio	ns to e	nsure pro	per disp	oosal.	1		 1			
Uncleaned packagings:										
Recommendation:		н н н			н н н	1.1.1	н н н	: * *	.1	
Disposal must be made		-	-				· · ·			

SECTION 14. EXPOSURE CONTROLS/PERSONAL

PROTECTION		: • •	.1				111	
UN-Number	н н н		1 1 1	· · ·	1			
DOT, ADN, IMDG, IATA	5			1		 1		 ·
N/AUN proper shipping name								
DOT, ADN, IMDG, IATA	н н н	, , , , ,	.:				; • •	
N/A								
Transport hazard class(es)					, , ,			

DOT, ADR, ADN,	, IMDG	, IATA	н н н								
Class											
N/A			·		1	1	н 1 - 1		1 	 1	· · ·
Packing group											
DOT, IMDG, IAT	Ą					н н н					
N/A		1 1 1	· · ·	1	1 1 1						
Environmental ha	azards:		·			·			·		
N/A	1 1	I			I			,			
Special precautio	ns for u	lser									
N/A		r I	,		,	'		1	,		
Transport in bulk	accord	ing to A	Annex II o	f MARF	POL73/	78 and the	e IBC C	ode	н н н	 	
N/A			1. 			1			1		·
Transport/Additio	nal info	ormatio	n:								
DOT						н н 1	: • •	.:	н н Н		
Marine Pollutant											
No			· · ·	1	, , ,						
			1 1-1			1					·

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture												
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 chemic	al listin	gş)	· · ·		н 1 — 1							
Substance is not listed.			1			1						
California Proposition 65												
Prop 65 - Chemicals known to cause car	ncer				.:							
Substance is not listed.												
Prop 65 - Developmental toxicity		н н н	1 I		н н н	1 I						

Substance is not listed.												
Prop 65 - Developmental toxicity, female												
Substance is not listed.			`	1		1						
Prop 65 - Developmental toxicity, male												
Substance is not listed.												
Information about limitation of use:		1 1 - 1			н 1. т.	н н н			,			
For use only by technically qualified indiv	/iduals.					·			,			
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.			,			ł						
The conditions of restrictions according t	o Article	e 67 an	d Annex X	(VII of t	he Reg	ulation (E	C) No					
1907/2006 (REACH) for the manufacturin	ng, plac	ing on	the marke	et and u	se mus	t be obse	rved.					
Substance is not listed.												
Annex XIV of the REACH Regulations (re	equiring	Autho	risation fo	r use)								
Substance is not listed.												
Chemical safety assessment:					х 1 — 1	· · ·						
A Chemical Safety Assessment has not l	been ca	arried o	uť.			1. 						

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.