

SAFETY DATA SHEET

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	5	:		1		1 1	1	1	Dat	e Revise	d: 15/12	2/2022
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	CTION											
	uct Name				1.1.1						111	
	#: 12063-			•		1 I 1	1			1		
			ana af t		topool	Solonti	fia raaaa	rob ond	dovol	nmont		
	vant iden		ses of t	ne subs	stance: a	Scienti	fic resea	rch and	aever	opment	÷.	
	l ier detai ord Advar		torials									
	il: sales@					1	, , ,		1	н 1. т.	111	
	0						·			1		
	ess: 2366											
						1 1					i di se	
Class GHS(ification a	accordin	g to Re	gulation	(EC) No	1272/2	2008		. 1		a' -	
	rrit. 2A H3 7 SE 3 H3							1.1.1		: 	:	
		•			-		irective 1	999/45/1	EC	1		
Xi; Irr	itant		-			1		.*	1			
R36/3	87: Irritatir							,				
				-			and envir	onment:				
N/A		-				,						
	1			1.00			1.0			1.0		

Hazards not otherwise classified			1			1			÷
No data available									
Label elements	:					11.			· · · .
Labelling according to Regulation (EC)	No 127	2/2008							
The substance is classified and labeled	accord	ling to t	he CLP i	regulation	ר.	н 1 1.	1		
Hazard pictogramsGHS07		· · ·	1.00			1		1 I 1	÷.,
Signal word	. '				,				
Warning	,			,				1 1	
Hazard statements					1				
H319 Causes serious eye irritation.									
H335 May cause respiratory irritation.		1 I 1	1 	1		1		1 1	1
Precautionary statements	1		· · · ·			· · · .	:		· · · .
P261 Avoid breathing dust/fume/gas/mis	st/vapo	ors/spra	у.						
P280 Wear protective gloves/protective	clothin	g/eye p	protection	/face pro	otection	l. :	111		÷ .
P305+P351+P338 IF IN EYES: Rinse ca	autious	ly with	water for	several	minute	s. Remo	ve conta	ct	·
lenses, if present and easy to do. Contin	nue rins	sing.		Ĩ			i		
P304+P340 IF INHALED: Remove perse	on to fr	esh air	and kee	p comfor	table fo	or breath	ing.	1 1 1	· · · .
P405 Store locked up.									
P501 Dispose of contents/container in a	ccorda	nce wit	th local/re	egional/				1	
national/international regulations.			1		1 - 1 1	1			÷.,
WHMIS classification									
D2B - Toxic material causing other toxic	effects	5		1	1 1			1 1	
Classification system									
HMIS ratings (scale 0-4)	,				1				
(Hazardous Materials Identification Syst	em)		1		1 - 1 1	1		1 I 1	÷.,
HEALTH									
FIRE				ı			,		
REACTIVITY									
1									
0			1			1		1 I	1

				1 I						1 1	1		
1.	1			5	1		1			1			÷.,
Health	(acute et	ffects) =	= 1										
Flamm	ability = (D		11.	1		· · · .			· · .	÷.		
	al Hazaro nazards				1 1 1 1							1	
Results	s of PBT	and vP	vB ass	essment	1	· · ·	1	1		1	-		
PBT: N/A	··.	:		99. 1	:		· · .	÷		··.	÷		
vPvB: N/A		: • •	1	4 4 - 4	: • •		1 1 1	1 1 1 1	1				
	·			1. 			·			·			÷.,

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	`:				 : ' '	`: 	1 1 1	: • •		
CAS No. / Substance Na	me:	,								
12063-98-8 Gallium phos	sphide		;					:		
Identification number(s):	, , ,		:	1 1 1	:			:		
EC number:										
235-057-2						`: :	н н н	111	1	

SECTION 4. FIRST AID MEASURES

Description of first aid measures If inhaled: Supply patient with fresh air. If not breathing, provide artificial respiration. Keep patient warm. Seek immediate medical advice. In case of skin contact: Immediately wash with soap and water; rinse thoroughly. Seek immediate medical advice. In case of eye contact:

Rinse opened eye for several minutes under running water. Consult a physician.

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If swallowed:	1 I	1			1			1			·
Seek medical treatme											
Information for docto	r	· · · .			· · · ,	:			t.		۰۰,
Most important symp											
No data available									111		
Indication of any imm	nediate m	nedical a	ttention a	and spe	ecial trea	tment ne	eded	1			·
No data available	1 1 - 1				1.1 1				;		۰۰,
SECTION 5. F	IREF	IGHT		IEAS	SURE	S	`: `:			1	
Extinguishing media	· · ·	1. 			н - н н						·
Suitable extinguishin	g agents		:			:		· · .	:		•••,
Product is not flamma	able. Use	e fire-figh	iting mea	asures t	that suit t	the surro	unding	fire.			
Special hazards arisi	ng from t	he subs	tance or	mixture)				111		
If this product is invol	lved in a	fire, the	following	can be	e release	d:					
Phosphorus oxides		1 			1 			1			·
Metal oxide fume		· · .	1		· · .	:		11			۰۰,
Advice for firefighters	3										
Protective equipment	t: :		; • •			111	1			1	
Wear self-contained	respirato	r. , , ,			1	-		1			·
Wear fully protective	impervio	us suit.									
				1 1 1			1 1		i di se		· · · .

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	1		
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.			
Do not allow product to enter drains, sewage systems, or other water courses.	1		

Do not allow material to penetrat	te the grou	und or	soil.	·			·			·
Methods and materials for conta	inment an	d clea	nup:							
Ensure adequate ventilation.	· · .	:								· · .
Prevention of secondary hazards				: 	; · ·			: 11	`:	
Reference to other sections	·			1	1		1			·
See Section 7 for information on	safe han	dling					· · .			
See Section 8 for information on	personal	protec	tion ec		1		· · .			
See Section 13 for disposal infor	mation.			1 1 - 1	1 T T	1	1 1 - 1		· :	
				1	1		1			·
SECTION 7. HANDLI	NG AI		STOP	RAGE	:		··.	:		···,
Handling										
Precautions for safe handling		1 1 1		н 1 - 1	; • •		н н н			
Keep container tightly sealed.Sto Ensure good ventilation at the w	·	l, dry p	lace in	tightly clo	sed cor	ntainer	S.			·
Information about protection aga	inst explo	sions	and fire	es:	:		19. 19.	:		•••
The product is not flammable										
Conditions for safe storage, inclu	iding any	incom	patibili	ies		1				
Requirements to be met by store	rooms an	d rece	ptacle	S:,			1			·
No special requirements.										
Information about storage in one	common	storag	ge facil	ity:			11.			· · ·
Store away from oxidizing agent										
Further information about storag	e conditio	ns:		, , ,						
Keep container tightly sealed.	'		· ·	1	1		1			·
Store in cool, dry conditions in w	ell-sealed	conta	iners.							
Specific end use(s)	1	,		ı	1			,	1 1	
No data available		:							· :	
	5			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 monitoring at the workplace: None. Additional information: No data 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. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Inspect gloves prior to use. Suitability of gloves should be determined both by material and quality, the latter of which may vary by manufacturer. Penetration time of glove material (in minutes) No data available

1			1	;		1	1		8	
Eye protection:		1			1			1		 · .
Safety glasses										
Body protection:										
Protective work c	lothing.			,						
						'				
										 ÷.
SECTION 9							JPEI	XIIES		
Information on ba						ince:				
Form: Solid in va	rious form	าร	; • •							
Color: Pale orang	e to yello	owish								
Odor: No data av	ailable				1			1		 · · ·
Odor threshold: N	lo data av	vailable.	t.		· · · .	:			e e	
pH: N/A										
Melting point/Mel	ting range	e: 1465 °C (2	2669 [,] °F)			111			; • •	
Boiling point/Boili	ng range	: No data av	ailable		·			·		
Sublimation temp	erature /	start: No da	ta availa	ble		;	1		:	
Flammability (sol	d, gas)		1			i'		11	e ^r	
No data available										
Ignition temperate	ure: No d	ata available	9	1		111		н 1. т.	; · · ·	:
Decomposition te	mperatur	e: No data a	available		1			·		 · .
Autoignition: No o	lata avail	able.								
Danger of explos	ion: No di	ata available) .				, , ,		÷.	
Explosion limits:										
Lower: No data a	vailable				· · ·				; • •	
Upper: No data a	vailable				1. s. s.			1		 ۰.
Vapor pressure: I	N/A			,		. 1				
Density at 20 °C	(68 °F): 4	.13 g/cm					1 1			
3				· .	,		· .			
(34.465 lbs/gal)				;			;			
Relative density					·			1		 1.

	i						i.				
No data available.		1	-		·			1			·
Vapor density											
N/A	1	· · · .	:		•••	:		11.	:		۰.
Evaporation rate											
N/A						1.1.1					
Solubility in Water (H		1			1			1			·
2			.'	ı.		:					
O): No data available		,									
Partition coefficient (n-o	octanol	/water):	No data	availab	le.		1			· .	
Viscosity:				,							
Dynamic: N/A		1			1			1			1.1
Kinematic: N/A		· · .	:		· · .	:		· · .	e ^r		· · .
Other information											
No data available							1			1	
		·	:		·	:		1. 	;	· · ·	·
SECTION 10. S	STAE	BILIT) RE		VITY					
	1 1	· · .	:	1 1	· · .	:			:		· · · .
Reactivity No data available	· .				1		· .			· .	,
Chemical stability					1			1	-		1.1
Stable under recomme Thermal decomposition											
Decomposition will not	· .				•	pecificati			111		
Possibility of hazardous		ons									
Reacts with strong oxic	lizing a	gents			·			1 			· · ·
Conditions to avoid No data available		· · .	e ⁿ	, , ,	··.	÷.		11	a' i		۰۰.
Incompatible materials											
Oxidizing agents											
Hazardous decomposit	tion pro	ducts:			`			1			1

			1		1 1 1					
Phosphorus oxides (e.g. P	205)		1 1	1 			5			۰.
Metal oxide fume										
<u>and Maria di Sana</u>		1	1 I							
SECTION 11. TO	XICOLO	GICA	AL: IN	IFORI		JN			1	
Information on toxicologica	al effects			1 			1.1			
Acute toxicity:		. '				,				
The Registry of Toxic Effect										
substance.			· .			· .			· .	
LD/LC50 values that are re										
No data				1.1			1.1			
Skin irritation or corrosion:		:		· · .						
May cause irritation										
Eye irritation or corrosion:			· .					111		
Causes serious eye dama	ge.									
Sensitization:				1 			1.1			
No sensitizing effects know	vn.	:		· · .	:		· · .			
Germ cell mutagenicity:										
No effects known.		111	1	н 1 — 1	1 - 1 - 1 1					
Carcinogenicity:	· · · · · ·	1		·				1		,
No classification data on c	arcinogenic	propertie	es of th	is materia	al is avai	ilable fr	om the E	epa, Iar	C,	
NTP, OSHA or ACGIH.		:		· · ·	1	, , ,	· · ·			
Reproductive toxicity:										
No effects known.	н 1 - 1		1		111				1	
Specific target organ syste	m toxicity -	repeated	d expos	ure:			5			
No effects known.										
Specific target organ syste	m toxicity -									
May cause respiratory irrita Aspiration hazard:			1	н 1 - 1					1	
No effects known.			1 1	1			1			

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.

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SECTION 12. ECOLOGICAL INFORMATION

Toxicity				i	1 1	1	,		I		
Aquatic toxicity:								· .			
No data available	1	I									
Persistence and o	degrad	ability	1			1			1.1		
No data available			· · .	:		· · .	:		· · .		
Bioaccumulative											
No data available		· .		: * *						111	1
Mobility in soil				1		,					
No data available				1			:				
Additional ecolog	ical info	ormati	on:	:					· · .		
Do not allow mate	erial to	be rel	eased to	the env	vironme	nt withou	ut official	permits	8.		
Do not allow undi	luted p	roduct	t or large	quantiti	ies to re	each grou	undwate	r, water	courses	, or sewa	age
systems.			1			1			5		
Avoid transfer into											
Results of PBT ar	nd vPv	B asse	essment	:			ť				
PBT:											
N/AvPvB:		1	н 1 - 1		1	н 1. т.			н 1 - 1	111	1
N/A			1			1	1		1	-	
Other adverse eff	ects										
No data available		1 1							· · · ,		
	;										·;

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods	·			·			1			·
Recommendation										
Consult official regulations to	ensure p	roper dis	sposal.		:		11	÷		· · .
Uncleaned packagings:										
Recommendation:										
Disposal must be made accor	ding to o	fficial re	gulatior	าร.	-		1	1		·
										···,
SECTION 14. TRAN										
UN-Number										
DOT, ADN, IMDG, IATA	1				1		1	÷		÷.,
N/A	· · .	:		· · · .	:		· · .	:		· · .
UN proper shipping name										
DOT, ADN, IMDG, IATA									1	
N/A	·			·						
Transport hazard class(es)					;					
DOT, ADR, ADN, IMDG, IATA		: 1			:		11	e l'		۰.
Class										
N/A	н н н	111	1		111		н 1. т.	111		
Packing group	1			1		· · ·	1			·
DOT, IMDG, IATA										
N/A				· · .			· · ·			
Environmental hazards:	,			,						
N/A						1			1	
Special precautions for user	1			1			1			1
N/A Transport in bulk according to							1.1. 1	i.	. :	•••
N/A						Jouc				
Transport/Additional information			1	1 1 - 1	1.1	1	1 1 - 1	111	1	
DOT	1. 			1 1 1		· · ·				'

Marine Pollutant (DOT):			1 	1		1. 1. (1)	-	
No		1 1 - 1	11. 11.		н 1 - 1	11. 11.		
SECTION 15. REGULATOR	RYI	NFO	RMAT	ION			111	1
Safety, health and environmental regulation	ons/le	gislatio	n specific	for the	substa	nce or m	ixture	
National regulations								
All components of this product are listed ir								
Substances Control Act Chemical substar	nce In	ventory						
All components of this product are listed o	on the	Canad	ian Non-I	Domest				
SARA Section 313 (specific toxic chemica	l listin	igs)	1	1		1.0		
Substance is not listed.			· · · .			· · .	1	
California Proposition 65Prop 65 - Chemic								
Substance is not listed.				: **			: • •	
Prop 65 - Developmental toxicity								
Substance is not listed.			1	1		1		
Prop 65 - Developmental toxicity, female	:	1	· · .	:		· · .	e la companya de la c	
Substance is not listed.								
Prop 65 - Developmental toxicity, male	· · · · ·			:	1	н 1 - 1	:**	
Substance is not listed.	:		1	:		1		
Information about limitation of use:	:						:	
For use only by technically qualified indivi	duals.		· · ·	:		11	e e e	
Other regulations, limitations and prohibiti	ve reg	gulation	S					
Substance of Very High Concern (SVHC)	accor	ding to	the REA	CH Reg	julation	s (EC) N	o. 1907/	2006
Substance is not listed.	-		1			1		
The conditions of restrictions according to	Articl	e 67 ar	nd Annex	XVII of	the Re	gulation	(EC) No	
1907/2006 (REACH) for the manufacturing	g, plao	cing on	the mark	et and	use mu	st be obs	erved.	
Substance is not listed.								
Annex XIV of the REACH Regulations (re								
Substance is not listed.			1.			1		

REACH - Pre-registered substances			1 		 1		
Substance is listed.							
Chemical safety assessment:	;	1	· · · .	:		÷.	
A Chemical Safety Assessment has not	been d	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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