

# SAFETY DATA SHEET

		1.1.1			111				Date	Accesse	d: 25/08	8/2023
		5						5	Dat	e Revise	d: 16/12	2/2022
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_	CTION				_							
	uct Name											
	#: 12037-										·	
			ses of f	the subs	tance: S	cienti	fic resea	rch and	devel	opment		
	lier detai									opinione		;
Stanfo	ord Advar il: sales@	nced Ma			:			1.1			111	
Tel: (§	949) 407-	8904			1	н н 1		1			·	
Addre	ess: 2366									e la companya de la c		
Class GHS(	ification a	according	g to Re	gulation	(EC) No	1272/2	2008		1	ť		
1.1	rit. 2A H3										111	
	SE 3 H3			•				000/45/			·	
	itant 87: Irritatir									:"		1
Inform	nation cor	ncerning	g partici	ular haza	rds for h	uman a	and envir	onment:				
N/A												

				.''			.''				.'
Hazards not other	wise classifie	ed	·			1			5		
No data available											
Label elements			1			1 1 1		t.			
Labelling accordin	g to Regulat	ion (EC) N	lo 1272	2/2008							
The substance is	classified and	d labeled a	accordi	ng to th	e CLP reg	gulation	, ' <sup>'</sup>				
Hazard pictogram	sGHS07		1	н н 1		1.	1 I		1		
Signal word				· .		1 - 1					
Warning		I	,	1	I	ı	,	ł			
Hazard statement	S						, <b>'</b>				
H319 Causes seri	ous eye irrita	ation.									
H335 May cause r	espiratory irr	ritation.	·	1 1	1.1 1		1 1		·		
Precautionary stat	ements	i.				1 I 1	· .	:		1	
P261 Avoid breath	ning dust/fum	ie/gas/mis	st/vapor	s/spray							
P280 Wear protec	tive gloves/p	rotective	clothing	/eye pr	otection/fa	ace pro	tection.		; • •		
P305+P351+P338	IF IN EYES	: Rinse ca	utiously	y with w	ater for s	everal ı	minutes	. Remove	contac	t,	
lenses, if present a	and easy to c	do. Contin	ue rinsi	ng.			1				
P304+P340 IF IN	ALED: Rem	iovė perso	on to fre	esh air a	and keep	comfort	able fo	r breathing	g. '		:
P405 Store locked	l up.										
P501 Dispose of c	ontents/cont	ainer in ac	ccordar	nce with	local/reg	ional/na	ational/i	nternatior	nal		
regulations.			·			1	1 I		1		
WHMIS classificat	ion										
D2B - Toxic mater	ial causing o	ther toxic	effects	`: :	1					1	
Classification syst	em										
HMIS ratings (sca	le 0-4)										
(Hazardous Mater	ials Identifica	ation Syste	em)	1 1 1		1	1 - 1 1		1	н н н	
HEALTH				1		1 1	ı				
FIRE			1						1		
REACTIVITY											
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	(acute et	,											
Flamm	ability = (	C C	1	e l'		1	:		1	÷.		1	:
	al Hazaro nazards							:			:		. * *
Results	s of PBT	and vP	vBjasse	essment	·			1			1		
PBT: N/A	af l		1	1		1	:		`: 	÷		1	:
vPvB: N/A		:								, ' <sup>'</sup>			
		1. 			1. 1. 1.			1. 			1. 1. 1.		

# SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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## SECTION 4. FIRST AID MEASURES

Description of first aid measure									
If inhaled:								;	
Supply patient with fresh air. If	not breat	hing, pr	ovide a	rtificial re	espiratio	n. Keel	o patient	warm.	
Seek immediate medical advic	e.In case	of skin	contac	t:		· .			
Immediately wash with soap a	nd water;	rinse th	orough		,	,	ł	,	
Seek immediate medical advic	æ.				; • •			; • •	
In case of eye contact:									
Rinse opened eye for several	minutes u	nder rur	nning w	ater. Co	nsult a p	hysicia	ın.'	1	

					. '							. '
If swallowed:	1			1			1	н н 1		·		
Seek medical trea	atment.											
Information for do	octor							1			1	:
Most important sy	/mptom	ns and	effects, b	oth acu		-						
No data available										:**		. '
Indication of any i	immed	iate me	edical atte	ention a	nd spe	cial treatm	nent ne	eded		1.0	н н н	
No data available	) 		i.					1	t.		1	:
SECTION 5	5. FIF	REFI	GHTIN	IG M	EAS	URES	:					. '
SECTION 5		REFI				URES				: ** *		.* .*
	dia			1	1 - 1 1		5					
Extinguishing me	dia shing a	gents					· 					
Extinguishing me Suitable extinguis	dia shing a mmable	gents e. Use	fire-fightir	ng mea	sures tl	nat suit the	e surro	unding	fire.			
Extinguishing me Suitable extinguis Product is not flar	dia shing a mmable arising nvolvee	gents e. Use from th d in a fi	fire-fightir ne substar ire, the fol	ng meas nce or r lowing	sures tl mixture can be	nat suit the released:	e surro	unding	fire.			
Extinguishing me Suitable extinguis Product is not flar Special hazards a	dia shing a mmable arising nvolvee	gents e. Use from th d in a fi	fire-fightir ne substar	ng meas nce or r lowing	sures tl mixture can be	nat suit the released:	e surro	unding	fire.			

Protective equipment:

Wear self-contained respirator. Wear fully protective impervious suit.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

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.

Do not allow material to penetrate the ground or soil.

							. '
Methods and materials for containment and cleanup:		1			·		
Ensure adequate ventilation.							
Prevention of secondary hazards:	1			:		1	;
No special measures required.							
Reference to other sections							. '
See Section 7 for information on safe handling		1			1		. '
See Section 8 for information on personal protection ec	uipment.						
See Section 13 for disposal information.							:
		,		.'		.'	. '
SECTION 7. HANDLING AND STOP	RAGE	1.00	1 I		1 1		. '
Handling							:
Precautions for safe handling							
Keep container tightly sealed.							
Store in cool, dry place in tightly closed containers.Ens	ure good v	/entilati	on at th	ne workpla	ace.		
Information about protection against explosions and fire	es:	1			· · ·		. '
The product is not flammable	:			:		1	;
Conditions for safe storage, including any incompatibilit	ties						
Requirements to be met by storerooms and receptacles	S: '					$\mathcal{A}^{(1)}$	. '
No special requirements.		·			·		
Information about storage in one common storage facili	ity:						
Store away from oxidizing agents.				:		1	;
Further information about storage conditions:							
Keep container tightly sealed.							. '
Store in cool, dry conditions in well-sealed containers.		1	н н н		1		. •
Specific end use(s)							
No data available		ı	:	;		1	:
· · · · · · · · · · · · ·							

# SECTION 8. EXPOSURE CONTROLS/PERSONAL

PROTECTION		1 			1	
Additional information about design of technical systems	S:			e <sup>r</sup>		
Properly operating chemical fume hood designed for ha	zardous c	hemica	als and			
having an average face velocity of at least 100 feet per	minute.	1 - 1 - 1 1			; • •	
Control parameters		·			·	
Components with limit values that require monitoring at			,			
The product does not contain any relevant quantities of	materials	with cr	itical va	lues		
that should be monitored at the workplace.						
Additional information:						
No data		·			·	
Exposure controls						
Personal protective equipment						:
Follow typical protective and hygienic practices for hand	lling chem	nicals.				
Keep away from foodstuffs, beverages and feed.	. '			. '		. '
Remove all soiled and contaminated clothing immediate	ely:				1 1	
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 environr	nent.					
Breathing equipment:		'			'	
Use suitable respirator when high concentrations are pr	eșent.	1 I		e la companya de la c		
Protection of hands:						
Impervious gloves					: • •	
Inspect gloves prior to use.		·				
Suitability of gloves should be determined both by mate						
by an an an an an		1 I	1	1	· · ·	
manufacturer.						
Penetration time of glove material (in minutes)						
No data available		·			·	

									1		
Eye protection:		·	1	· · ·		1			1		
Safety glasses											
Body protection:		i'			:						
Protective work c	othing.	·				1 1 1 1					
SECTION 9		SICAL									
		:			: 1			:		`: `:	:
nformation on ba				perties	Appeara	nce:					
Form: Powder or	solid in va	arious forms				1.1.1	11		:**		
Color: Black			·			·			·		
Odor: No data av				ĭ	ı						
Odor threshold: N	lo data av	/ailable.			: <sup>1</sup>					1	
oH: N/A											
/lelting point/Mel	ing range	e: 2500 °C (4	532 °F)						111		. '
Boiling point/Boili	ng range:	4200 °C (75	592 °F)			·			·		
Sublimation temp					,		,			·	,
lammability (soli	d, gas)	:		1			1				;
lo data available											
gnition temperatu	ure: No da	ata available				1.1.1			111		
Decomposition te	mperatur	e: No data a	vailable			1			1		
utoignition: No c	lata availa	able.									
Danger of explosi	on: No da	ata available			:						1
Explosion limits:											
ower: No data a	vailable								111		
Jpper: No data a	vailable		1			1			1		
apor pressure: N	N/A										
Density: No data		i l									1
Relative density											
lo data available											
/apor density			1			1			1		

	. '	. '			. '	,	. '				
N/A			1	· · ·		·	н н н		·		. '
Evaporation rate											
N/A		t.	1		:			÷.		1	1
Solubility in Water (H											
2											. '
O): No data available	1 1		1	1 I		·	1 I		1	н н н	. '
Partition coefficient (n-o	octanol	/water): N	lo data	availab	le.			. •			
Viscosity:	:			1			1	1			
Dynamic: N/A			: **			:**		. 1	:**		
	1			1	1						
Kinematic: N/A											
Kinematic: N/A Other information			1	н н н		·			·		. '

SECTION 10. S	TAB	ILITY A	AND	REA	CTIVI	TY	. '		,	
Reactivity	н — н н		1	1 I		1			1 1	· · ·
No data available	· .			`: :	:			:		`: `:
Chemical stability										
Stable under recommer	nded sto	orage con	ditions.			: * *			; • •	
Thermal decomposition	/ condi	ions to be	e avoide	ed:		·			1	
Decomposition will not o	occur if	used and	stored	accord				,		
Possibility of hazardous	reactio	ns	1 1	1	1			i.		1
Reacts with strong oxidi	zing ag	ents								
Conditions to avoid	. 1					: * *			111	
No data available			·			1			1	н н н
Incompatible materials: Oxidizing agents		:	, , ,	1		· · ·	1		, , ,	1
Hazardous decompositi Metal oxide fume	on prod	ucts:	111	at in		; · ·	at in		111	
<u>and an </u>		1.1	1. 		1.1	1.1		1.1	1	

## SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicolog	gical eff	ects		1			1			1
Acute toxicity:										
The Registry of Toxic E	Effects o	f Chemica	l Subst	ances (	RTECS)	contain	s acute	toxicity da	ata for	. 1
components in this pro	duct.		·			·			1	
LD/LC50 values that ar	e releva	ant for clas	sificatio	on:						
No data	1	:	1			1 1				
Skin irritation or corrosi										
May cause irritation									111	. '
Eye irritation or corrosid	on:		·			·			1	
Causes serious eye da										
Sensitization:										
No sensitizing effects k	nown.									
Germ cell mutagenicity				.'		ı	.'	, '		. '
The Registry of Toxic E	Effects o	f Chemica	l Subst	ances (	RTECS)	contain	s mutat	ion data fo	or this	
substance.				1						
Carcinogenicity:										
No classification data o	on carcir	nogenic pro	operties	s of this	material	is availa	able fro	m the EP/	A, IARC	,
NTP, OSHA or ACGIH.										
Reproductive toxicity:			·			·			1	
No effects known.	1	:			1					· .
Specific target organ sy	ystem to	oxicity - rep	peated	exposu	re:					
No effects known.									: • •	
Specific target organ sy	ystem to	oxicity - sin	gle exp	osure:		1				
May cause respiratory	irritation	l.					,			1
Aspiration hazard:	1		· ·			1 I				`: 
No effects known.										
Subacute to chronic to	kicity:		1.1.1						: ' '	a di s
No effects known.	н н 1					1			·	

Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

SECTION 12. EC	COLOGIC		NFO	RMA	ΓΙΟΝ			111	
Foxicity	: <sup>1</sup>	1	· · ·		5. C			5	
Aquatic toxicity: No data available	in di		1	e <sup>r</sup>		1 1	e <sup>r</sup>		4
Persistence and degrada	bility								e.
Bioaccumulative potentia	l in the second se	1	· · ·		1	· · ·		5	
No data available Mobility in soil	'a a'		1	a' -		1	a' -		4
No data available	et et							; • •	
Additional ecological info Do not allow material to b		the env	ironme	nt withou	ut official	permite	5.	1	
Do not allow undiluted prosystems.	oduct or large	quantiti	es to re	each gro	undwater	, water	courses	, or sewa	age
Avoid transfer into the en	vironment.				111			111	
Results of PBT and vPvB PBT:	assessment	·		19	н Тай			1	 -
N/A	in di	1 - 1 1	1		1 - 1 1	1		1 - 1 1	1
/PvB:N/A									
Other adverse effects					111			1.1	
lo data available		1	· · · ·		5			5	
	·		· .						• .

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste treatment methods Recommendation

	'									
Consult official regulations to	o ensure p	proper di	sposal.		·			·		
Uncleaned packagings:										
Recommendation:		1 - 1 1		t, i	1 I				1	
Disposal must be made acco										
		·			1			1		
SECTION 14. TRA										
UN-Number	1	r.		1			1		1	
DOT, ADN, IMDG, IATA						. 1				
N/A										
UN proper shipping name		1 		. 11	1	н н н	. 11	1		
DOT, ADN, IMDG, IATA	1			:		1	:			
N/A										
Transport hazard class(es)								111		
DOT, ADR, ADN, IMDG, IAT	Ā									
Class			1			,				
N/A :	l'						:			
Packing group										
DOT, IMDG, IATA		1.1.1						111		
N/A		·			·			1		
Environmental hazards:										
N/A				÷						
Special precautions for user										
N/A	. '	1			1	. '				
Transport in bulk according t	to Annex	II of MAF	RPOL73	8/78 and	the IBC	Code		1	н н н	
N/A	. '		· .			· .			· .	. '
Transport/Additional informa			,	,			,	,	ı	
		1 1 1 1						1.1		
Marine Pollutant (DOT):										
No	. **	1.1	1		1			1		. ' '

# **SECTION 15. REGULATORY INFORMATION**

Safety, health and environmental regulation	ons/leg	islation	specific fo	or the s	ubstand	ce or mixt	ure	÷:
National regulations								
All components of this product are listed in	n the U	.S. Env	ironmenta	al Prote	ction A	gency Tox	(ic	. • *
Substances Control Act Chemical substan	ice Inv	entory.		1			1	
All components of this product are listed o	n the C	Canadia	In Domest	tic Sub	stances	List (DSL	.).	
SARA Section 313 (specific toxic chemica	l listing	ls)	:		1			
Substance is not listed. California Proposition 65				:			:	e.
Prop 65 - Chemicals known to cause canc	erSub	stance	is not liste	d.			·	
Prop 65 - Developmental toxicity		· .		1 1				
Substance is not listed.								
Prop 65 - Developmental toxicity, female				1.1.1			:	
Substance is not listed.								
Prop 65 - Developmental toxicity, male				·			·	
Substance is not listed.	1 1	`:			1			· :
Information about limitation of use:								
For use only by technically qualified individ	duals.			; • •				. • *
Other regulations, limitations and prohibitiv	ve regu	ulations		·			·	
Substance of Very High Concern (SVHC)	accord	ing to t						
Substance is not listed.	1	`; ;						÷:
The conditions of restrictions according to	Article	67 and	I Annex X	VII of th	ne Regi	ulation (E0	C) No	
1907/2006 (REACH) for the manufacturing	g, placi	ng on t	he market	and us	se must	be obser	ved.	. '
Substance is not listed.	·	1 I		·			·	
Annex XIV of the REACH Regulations (red				,				
Substance is not listed.	1	:	:			1		
REACH - Pre-registered substances								
Substance is listed.		· '			. '	. 1		. '
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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	e <sup>r</sup>												
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