

SAFETY DATA SHEET

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н 1 - 1		1			1	1 1 1		5	Dat	e Revise	d: 10/11	/2022
	111									19	1. 1.	
SEC	CTION	1. ID	ENT	IFICA	ΓΙΟΝ							
						н 1 — 1						
	uct Name #: 12069-		-	_				·			·	
Relev	vant ident	tified us	ses of t	he subst	ance: S	cienti	fic resea	rch and	develo	opment	14	. * *
•••	lier detai											
Stanfo	ord Advar	nced Ma	terials		1.1.1			111			111	
	il: sales@ 040) 407-											
	949) 407- ess: 2366											
	, ' '							·			1. 1.	
	CTION									di An		
Class GHS(ccordin		gulation (I	EC) No	1272/2	2008	14. 14.			1. 1.	
Acute	e Tox. 4 H	332 Har	mful if i	nhaled.								
Skin I	Irrit. 2 H31	15 Caus	es skin	irritation.	,			'			8	
Eye lı	rrit. 2A H3	19 Cau	ses ser	ious eye i	rritation			1.1	, , ,	111	·	
	Г SE 3 H3											
	ification a											
Xn; H	larmful						.:		1	.:		
	Harmful b				1			5	1 1 - 1		1. 	

	1 1 1											
Xi; Irritant	·	: .		1	· .		1			·		
R36/37/38: Irrita	-	-										
Information cond	cerning	particu	lar hazard	s for hu	ıman aı	nd enviror	nment:	. 11				
N/A												
Hazards not oth	erwise	classifie	ed									. :
No data availabl	e			·	1 1 - 1		1			·		
Label elements												
Labelling accord										·		
The substance i												:
Hazard pictogra	msGHS	507	, '									
Signal word	1 	н. 1 1.		1	н 1 — 1		1			1 1		
Warning				·			1.			1.		
Hazard stateme	nts											
H332 Harmful if	inhaled	d. :	.1	; • •		.:	:**			; • •		.:
H315 Causes sk												
H319 Causes se	erious e	eye irrita	ation.		- 1 1			1			1	
H335 May cause	e respir	atory ir	ritation.				14			1. 1.		
Precautionary st	atemer	nts										
P261 Avoid brea	athing c	lust/fum	ne/gas/mis	t/vapor	s/spray	, : -	: ' '	н 1 — 1		: "		.1
P280 Wear prot	ective g	gloves/p	orotective	clothing	l∕eye pr	otection/fa	ace prot	tection.		·		
P305+P351+P3								ninutes	. Remove	contac	t	
lenses, if preser	nt and e	easy to o	do. Contin	ue rinsi	ng.		14			14. 1	. * *	
P304+P340 IF II	NHALE	D: Rem	nove perso	on to fre	esh air a	and keep (comfort	able for	^r breathing].		
P405 Store lock	ed up.				1 1 - 1	.:		1 1 - 1		: • •	н 1. т.	.1
P501 Dispose o	f conte	nts/cont	tainer in a	ccordar	nce with	local/reg	ional/na	ational/i	nternation	al		
regulations.												
WHMIS classific	ation	. * *										
D2B - Toxic mat	erial ca	ausing c	other toxic	effects								
Classification sy	stem	1 1		1	1 1	.1		1 1				
HMIS ratings (so	cale 0-4	4)		1			1 			1 1		

						1			1	
(Hazardous Mate	erials lo	dentifica	ation Syst	em)			·		 1	
HEALTH										
FIRE					. * *		11.			
REACTIVITY										
1										
1	·								·	
0	·			۰.			۰.,		 ·	
Health (acute effe										
Flammability = 1	: • •									.:
Physical Hazard										
Other hazards	`			1 			1	н 1 — 1	 1.1	. • •
Results of PBT a	nd vPv	vB asse	essment	1.			1. 1.		1. 1.	
PBT: N/A										
vPvB: N/A	: • •		.:					н 1 — 1	111	.1

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances							
CAS No. / Substance Name:	.:	: * *				: • •	
12069-32-8 Boron carbide		1. 	 	1		1	
Identification number(s):							
EC number: 235-111-5		÷.,	 	11		14	. * *

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:

						1					
Immediately wash with	soap a	ind water;	rinse tl	norougł	ıly.	·			·		
Seek immediate medica		ce.									
In case of eye contact:			<u>''</u> ',	. * *						111	
Rinse opened eye for se				-			-				
If swallowed:						111				н 1 - 1	.1
Seek medical treatment			·	1 1 1		1.1			5		
Information for doctor									•		
Most important symptor											
No data available					:			:			:
Indication of any immed											
No data available			1 1						1 1		. • •
	- 1 - 1 - 1										
SECTION 5. FI	REF	IGHTIN	IG N	IEAS	URES	6					
									111		
Extinguishing media			·			1			·		
Suitable extinguishing a	•										
Extinguishing powder.	Do not	use water.		. * *		1. 1.	. * *		1. 1.	. * *	. * *
Special hazards arising	from t	he substar	nce or	mixture							
If this product is involve	d in a t	fire [†] the fol	lowing	can be	released	4- [:]			111		.:

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Advice for firefighters

Protective equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

Environmental precautions:

	,		. '						
Do not allow material to be released	d to the env	ironme	nt withou	ıt official	permits	S.	·		
Do not allow product to enter drains	s, sewage s	ystems	, or othe	r water c	ourses.				
Do not allow material to penetrate t	he ground c	or soil.					1		
Methods and materials for containm									
Dispose of contaminated material a	s waste aco	cording	to sectio	on 13.					.1
Ensure adequate ventilation.									
Prevention of secondary hazards: No special measures required.	1. 1.			÷.,		.''	÷.,		
Reference to other sections See Section 7 for information on sa	fe handling					.:			.:
See Section 8 for information on pe	rsonal prote	ection e	quipmer	nt.			1.0	н 1. т.	
See Section 13 for disposal informa									

SECTION 7. HANDLING AND STORAGE			.:	; • •		.:
Handling	1 			5	1.	
Precautions for safe handlingKeep container tightly sealed.	1.			· .		
Store in cool, dry place in tightly closed containers.						
Ensure good ventilation at the workplace.	1 1 1 1	1 1 1				. :
Information about protection against explosions and fires:	·	1		·	1	
No data available			ı			
Conditions for safe storage, including any incompatibilities				11		. • •
Requirements to be met by storerooms and receptacles:						
No special requirements.		1 1 1				. 1
Information about storage in one common storage facility:		1 1 1		·		
Store away from oxidizing agents.	1					
Further information about storage conditions:	· .			· .		
Keep container tightly sealed.					1	
Store in cool, dry conditions in well-sealed containers.		1 1	. '	i.		. '
Specific end use(s)	·			·		. • •

No	data	avail	able	

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 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. Eye protection: Safety glasses Body protection: Protective work clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Partition coefficient (n-	octanol	/water): N	lo data	availab	le.	1	 	·	
Viscosity:									
Dynamic: N/A			1.		1				
Kinematic: N/A									
Other information	1 1 1			1				; • •	
No data available			1			1	 	1	

SECTION 10. STABILITY AND REACTIVITY

Reactivity			1			1				
No data available	1 1 1		'	, , ,			, , ,	1		
Chemical stability			1.			· .				
Stable under recommer										
Thermal decomposition	/ condi	tions to be	avoide	ed:	.:	: • •		:**		,
Decomposition will not o	occur if	used and	stored	accordi	ng to spe	cificatio	ns.			
Possibility of hazardous	reactio	ns	·			· · ·				
No dangerous reactions	s known		'.			1.		1. 1.		,
Conditions to avoid										
No data available						; • •	н 1 1.	: * *	: 	,
Incompatible materials:			·			·		 ·		
Oxidizing agents										
Hazardous decompositi	on prod	lucts:							. * *	
Carbon monoxide and o										
			·			·		·		

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects Acute toxicity: Harmful if inhaled. LD/LC50 values that are relevant for classification: No data

Skin irritation or corrosion: Causes skin irritation.

Eye irritation or corrosion: Causes serious eye damage.
Sensitization: No sensitizing effects known.
Germ cell mutagenicity: No effects known.Carcinogenicity: No classification data on carcinogenic properties of this material is available from the
EPA, IARC, NTP, OSHA or ACGIH.
Reproductive toxicity: No effects known.
Specific target organ system toxicity - repeated exposure: No effects known.
Specific target organ system toxicity - single exposure: May cause respiratory irritation.
Aspiration hazard: No effects known.
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		'	1 1 - 1		'			1	н н н				
Aquatic toxicity:		۰.			1. 1.					,			
No data available													
Persistence and degradability			1 1 - 1										
No data available													
Bioaccumulative potential										,			
No data available								1. 1.					
Mobility in soil													
No data available			1 1 - 1					111		,			
Additional ecological informatio	n:	·			·								
Do not allow material to be rele							,						
Avoid transfer into the environm	nent.	'н, Т											
Results of PBT and vPvB asse	ssment												
PBT: N/A	.:	; · · ·	1 1 - 1	.:	; * *	н 1 — 1		; · · ·					
vPvB: N/A		·	1 1 - 1		1			1		,			

Other adverse effects		1			5			5		
No data available										
								14. 		. * *
SECTION 13. DISP	POSAL		ISID	ERAT	IONS					.:
Waste treatment methods		1			5			5		
Recommendation Consult official regulations to					14. 14.	. **		1. 1.		
Uncleaned packagings:	:		1	:			:	: ···		:
Recommendation:										
Disposal must be made acco	ording to c	official re	gulatior	าร. ่	1			1 1		. * *
in the second										
SECTION 14. EXPO PROTECTION										.:
UN-Number										
DÖT, ADN, IMDG, IATA		с. С.		. 11	1.			14. 1	. 11	. * *
N/A										
UN proper shipping name										
DOT, ADN, IMDG, IATA		1			5 1			5		
Transport hazard class(es)						. * *			. **	. * *
DOT, ADR, ADN, IMDG, IAT, ClassN/A				.1			.1			.:
Packing group		1			1			5. C		
DOT, IMDG, IATA N/A		14. 14.		."					- 1 - 1 1	
Environmental hazards: N/A										
Special precautions for user					5			1		. * *

N/A	1			·			1			5. C		
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code												
N/A	14			1	1.1		1. 1.		111			
Transport/Additional information:												
DOT			.÷					н 1 — 1	.1	1.1.1		
Marine Pollutant	(DOT)	: : .		1			1 1			1		
No	۰.			14. 14.			14. 14.	, i i i		14. 14.		

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulat	tions/leg	gislation	specific f	or the s	substan	ce or mixt	ure					
National regulations	1. 1.			1.			1.					
All components of this product are listed	in the L	J.S. Env	/ironmenta	al Prote	ection A	gency To	xic					
Substances Control Act Chemical substa	ance Inv	entory.				.1	: • •					
All components of this product are listed	on the	Canadia					-					
SARA Section 313 (specific toxic chemical listings)												
Substance is not listed.	14. 1			1.			1.	. • •				
California Proposition 65												
Prop 65 - Chemicals known to cause car	ncer		.:		н н н		: ' '					
Substance is not listed.	·			·			·					
Prop 65 - Developmental toxicity												
Substance is not listed.	1.						11					
Prop 65 - Developmental toxicity, female												
Substance is not listed.												
Prop 65 - Developmental toxicity, male	1			·			1					
Substance is not listed.	· .											
Information about limitation of use:												
For use only by technically qualified indiv	/iduals.		:									
Other regulations, limitations and prohibi	tive reg	ulations										
Substance of Very High Concern (SVHC) accord	ding to t	the REAC	H Regu	ulations	(EC) No.	1907/2	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. REACH - Pre-registered substances Substance is 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 isbelieved 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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