

samaterials.com

SAFETY DATA SHEET

Version 3.0 Revision Date 09/04/2024

PRO		ANY IE		TION							09/04	4/2024
1	Product identifiers	· · · :		: • •		1 I 1 I	;**		1 I		;·:	
	Product name			on Nitr								
	Brand		: SAM									
	CAS-No.	:	: 12033	3-89-5	÷				111			
2	Relevant identified	uses	of the subs	stance or	mixture	and uses	advised	against				
	Identified uses		: Labor	atory che	micals, N	lanufactur	e of subst	ances				
3	Details of the suppl	lier of	the safety	data shee	et							
	Company		2366	ord Advar 1 Birtcher st, CA 926	Dr. Lake		1 - 1 - 1 - 1		 			-
	Telephone Fax			49) 407-89 49) 812-60				:				
Ļ	Emergency telepho	ne nu	mber									
HAZ	Emergency Phone # ZARDS IDENTIFICAT		: +1 (94	49) 407-89	904							
	Classification of the		stance or n	nixture		1 1 1 1 1						
	Not a hazardous sub	stance	e or mixture									
2	GHS Label element	s, incl	uding prec	autionar	y statem	ents	1					
3 COI	Hazards not otherw		•	•		red by GI	IS - none					
	Substances Formula		: N ₄ Sig	;**		1 I 1 I	1.1.1			1.1.1		
	Molecular Weight CAS-No. EC-No.			8 g/mol 3-89-5		Ľ	14		H	<u>1</u> 4		
г	Hazardous compon	ents					t ion 1	1				
ŀ	Component					Classifica	Ition		Conce	entration	-	
ŀ	Trisilicon tetranitric	le							-		_	
FIR	ST AID MEASURES	1 1 1	1 1					1.1.1				
	Description of first	aid m	easures									
	General advice Move out of dangero											
	If inhaled If breathed in, move	persor	n into fresh	air. If not	breathing	, give artil	icial respi	ation.				
		-0.001			2. 000 m lg	, g. o a a					Dored	
											Page 1	01.0

			1 1								
:::	In case of skin contact Wash off with soap and plenty of			:.: :::					:.:	· · · · · · · · · · · · · · · · · · ·	
.:	In case of eye contact Flush eyes with water as a prec	aution.			· · · · · ·		.:				
	If swallowed Never give anything by mouth t	o an uncons	cious	person.	. Rinse mout	h with wa	ater.				
4.2	Most important symptoms an The most important known sym					; ··· e labellin	q (see s	section 2.2) and/or in	section	11
4.3	Indication of any immediate n	nedical atte	ntion	and sp			•		, , , ;		
5. FII	REFIGHTING MEASURES										
5.1	Extinguishing media				: · :	:	.:			.:	
	Suitable extinguishing media Use water spray, alcohol-resista		y chen	nical or	carbon diox	de.					
5.2	Special hazards arising from nitrogen oxides (NOx), silicon o		nce or	mixtu		; · ·			:	:*:	11
5.3	Advice for firefighters Wear self contained breathing a	apparatus fo	r∶fire fi	ghting i	if necessary.						
5.4	Further information no data available										
6. AC	CIDENTAL RELEASE MEASUR	RES				1					
6.1	Personal precautions, protec Avoid dust formation. Avoid bre	athing vapo	urs, m			cedures					
	For personal protection see sec	tion 8.				: ' '			: • •		11
6.2	Environmental precautions Do not let product enter drains.										
6.3	Methods and materials for co Sweep up and shovel. Keep in					al.					
6.4	Reference to other sections For disposal see section 13.					:	.:				
<u>7. H</u>	NDLING AND STORAGE										
7.1	Precautions for safe handling Provide appropriate exhaust ve For precautions see section 2.2	ntilation at p	laces	where o	dust is forme	d.Norma	al measu	ures for pre	eventive fir	e protec	tion.
7.2	Conditions for safe storage, i Keep container tightly closed in	ncluding ar								:::	
	Keep in a dry place.										
7.3	Specific end use(s) Apart from the uses mentioned	in section 1.	.2 no c	other sp	ecific uses a						
<u>8. EX</u>	POSURE CONTROLS/PERSON										
8.1	Control parameters			:		: ' '	: • :				
	Components with workplace Contains no substances with or		exposu	ure limit	values.						
8.2	Exposure controls										
	Appropriate engineering cont General industrial hygiene prac				::: :::		.:	::: :::			
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				111	1.1			1.1			

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact	
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Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril®

Splash contact

Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril®

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physic	ical and chemical p	ropertie	es , ,		:	 	:	
	a) Appearance	Form: Solid	1 1	1 1		1 1			
	b) Odour	no data available			1.1		1.1		
	c) Odour Threshold	no data available							
	d) pH	no data available							
	e) Melting point/freezing point	no data available							
	f) Initial boiling point and boiling range	no data available	: • :				 :	: -]	
	g) Flash point	not applicable							
	h) Evapouration rate	no data available			1.1		1.1		
	i) Flammability (solid, gas)	no data available							
	j) Upper/lower flammability or	no data available	:			1			:::
								Page 3	of 6

		8 1	1 1 1		8 1				1		
1.1	explosive limits			· · · · · ·				1 1 1 1	:-: :-:	1.1	::
	k) Vapour pressure	no data	available								
	I) Vapour density	no data	available								
	m) Relative density	3.21 g/n	nL at 25 °C								
	n) Water solubility	no data	available								
:::	o) Partition coefficient: n- octanol/water	no data	available	:		:			111	:::	
	p) Auto-ignition temperature	no data	available	: • :		<u>;</u> .:		::	<u>;</u> .:		
:	q) Decomposition temperature	no data	available	:			:		4		
	r) Viscosity	no data	available	,			,				
	s) Explosive properties	no data	available								
:	t) Oxidizing properties	no data	available								
9.2	Other safety information			1 1			i i			1	
10 8	no data available										
10.5	TABILITY AND REACTIVITY			1 1	1	1 1	1 1		1		
10.1	Reactivity no data available			:			:				1 1 1 1 1
10.2	Chemical stability Stable under recommended		onditions.								
10.3	Possibility of hazardous re	eactions	;			:			; · ·		
10.4	Conditions to avoid		1.1								
10.5	Incompatible materials Strong oxidizing agents	1 1 1 1 1			:.						
10.6	Hazardous decomposition Other decomposition produc In the event of fire: see sect	cts - no dat					÷				
11. TO	OXICOLOGICAL INFORMAT		: ' '			:			1.11		
11.1	Information on toxicologic	cal effects									
	Acute toxicity no data available Dermal:										1 1 1 1 1
	no data available no data										
	available Skin corrosion/irritation								1		
	no data available										
:::	Serious eye damage/eye in no data available		:	: • :	н н н н	;**			:	:·:	
	Respiratory or skin sensit										
	no data available Germ cell mutagenicity										
	no data available Carcinogenicity			:			:	111			
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		probable,	possit	ole or cor	nfirmed hur	man carc	inogen by	IARC.					
	ACGIH:				oduct prese arcinogen			r than or e	qual∃to 0	.1% is ider	ntified as a	l	
	NTP:				oduct prese cinogen by		els greate	r than or e	qual to 0	.1% is ider	ntified as a	l	
	OSHA:				oduct prese arcinogen			r than or e	qual to 0	.1% is ider	ntified as a	1	
	Reproduc no data av	tive toxicit ailable	y	::	<u>.</u>			<u>;</u> .:		:	<u>;</u> .:		
	no data av	vailable											
	Specific t no data av	arget orgar vailable	n toxic	ity - sing	gle exposi	ure							
:	Specific t no data av	arget orgar vailable	n toxic	ity - repo	eated expo	osure		···			;••	!	
	Aspiration no data av												
		Il Information lot available			1.1						:.: :		
	To the bes investigate	st of our kno ed.	wledg	e, the che	emical, phy	/sical, an	d toxicolo	gical prope	erties hav	ve not beei	า thorough	ly	
2. E	COLOGICA		ATION										
2.1	Toxicity no data av	ailable			:		1 I 1 I		:::	н н н н		:-:	
2.2	Persisten no data av	ce and deg ailable	Iradab	ility	:.:								
2.3		nulative por	tential										
2.4	no data av Mobility in no data av	n soil	:		1	:		Ξ	:			:	
2.5	Results o	f PBT and states				al safetv	assessme	nt not⊧rea	uired/not	conducted	4		
2.6	1	verse effect	1 1	1 1							·		
8. D	no data av ISPOSAL C			S			1 1 1 1 1						
8.1	Waste tre	atment me	thods			;						:	
		lus and non ervice to dis			itions to a						orofessiona	al waste	1
4. TI	Contamin	ated packa	iging produ		; ' '	::1			:::	н н н н	:	:::	
	DOT (US)	rous goods		E						1 1 1 1 1			
	IMDG					:		``:					
												Page 5	5 of 6

	Not dangerou	s goods	::					· · ;		[
	ΙΑΤΑ											
	Not dangerous EGULATORY				1			:	111		-	11
	SARA 302 C SARA 302: N SARA 313 C	o chemical	s in this mate	erial are su	bject to t	he repor	ting requireme	ents of	SARA Titl	e III, Secti	on 302.	
	SARA 313: T	his material	l does not co				ents with know e III, Section 3		S numbers	that exce	ed the	
	SARA 311/31 Acute Health											
	Massachuse No componer	tts Right T			ts Right	to Know	Act.					
	Pennsylvani	a Right To	Know Com	ponents						_		
	Trisilicon tetr					1 I 1 I	CAS-No. 12033-89-5		Revisio	n Date	: - :	
	New Jersey	Right To K	now Compo	onents			CAS-No.	· . :	Revisio	n Date		:
	Trisilicon tetr	anitride					12033-89-5			Date		
)	THER INFORM		1 I			1 1			1 I I I			
	HMIS Rating Health hazard Chronic Heal	d:	2				:-: :-:	· · · · · ·				
	Flammability: Physical Haz		0 0		;		Н	1			;	
	NFPA Rating Health hazard Fire Hazard:		2 0									
	Reactivity Ha		0				:**					
		safety data aterials prov	vides no war	ranties, eit	her expr	ess or in	tion, considerand					
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		en ea		:								:
	E			<u>;</u> .;				· · · · · ·	H.			
	E	14 - 14		<u>;</u> .;			<u>1</u> .4	· · · · · ·	H.			: