

# SAFETY DATA SHEET

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			1 I			1 I		Dat	e Revise	d: 15/12	2/2022
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SECTION											
						14	1.1.1		14	111	
Product Name CAS #: 38245-	-			-							
CAS #: 38245-	38-4										
Relevant ident	ified us	ses of t	he subsi	tance: S	Scienti	fic resea	rch and	develo	opment	1	
Supplier detail	s:										
Stanford Advan	iced Ma	iterials				1. 1.			1.		
E-mail: sales@	samate	rials.co	m		,						
Tel: (949) 407-8	3904		1 - 1 1			н н 1			н н н		1
Address: 23661											
н н. Н		1	1 I			1					,
SECTION	2. H	AZAI	RDS II	DENI	TIFIC	ATIO	N		14		
Classification			н н н								
Classification u	nder 20	12 OSH	HA Hazar	d Com	nunicat	tion Stan	dard (29	CFR 1	910,1200	)	
Label Elements	;	1	ı		,	1		,			
None required											
			ed (HNO						14		
Hazards not oth				-							

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Carbonic acid, neodymium(3+) salt (3:2), hydrate

None identified

#### **SECTION 4. FIRST AID MEASURES**

Eye Contact Rinse immediately with ple	enty of w	vater, a	lso unde	r the eye	elids, fo	r at least	15 minu	tes.
Get medical attention.Skin Contact Was Get medical attention			-					
immediately if symptoms occur.	1	1		1 1			1	
Inhalation Remove to fresh air. Get med	dical atte	ention	immediat	ely if sy	nptoms	occur.		
Ingestion Clean mouth with water and d	lrink afte	erward	s plenty o	of water.	Get me	edical att	ention if	
symptoms occur.			1 - 1 1			н н Н		1
Most important symptoms and effects	·			·			·	
None reasonably foreseeable.		1						
Notes to Physician Treat symptomatical	lly <sub>;</sub>	1 1	1.	1 1 1 1	1 - 1 1	1. 1.		
national de la carte de la c								
SECTION 5. FIREFIGHTI	NG M		SURES	S			1	
Unsuitable Extinguishing Media No info	rmation	availa	ble					
Flash Point No information available	111	1 - 1 1				1. 1.	111	
Method - No information available								
Autoignition Temperature No informatio	n availa	ble						. '
Explosion Limits	1.1	1 - 1 1	1 - 1 - 1	1 1			1.0	
Upper No data available								
Lower No data available	: • •	1				14	111	
Sensitivity to Mechanical Impact No info	ormatior	n availa	ıble					
Sensitivity to Static Discharge No inform								
Specific Hazards Arising from the Chem	nical	1		·			1	
Keep product and empty container awa				•				
Hazardous Combustion Products							111	
None known.	, · · · ,	, <sup>1</sup>	н н н					

Protective Equipment and Precautions for Firefight	LEIS	
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As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. NFPA Health: 0 Flammability: 0 Instability: 0 Physical hazards: -

# SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required.

Avoid dust formation.

Environmental Precautions Should not be released into the environment. See Section 12 for additional

Ecological Information.

Methods for Containment and Clean up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

### SECTION 7. HANDLING AND STORAGE

Handling Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid

contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** 

This product does not contain any hazardous materials with occupational exposure

limitsestablished by the region specific regulatory bodies.

Engineering Measures None under normal use conditions.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described

by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection No protective equipment is needed under normal use conditions. Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid									
Appearance Violet									
Odor Odorless			н н н				. * *		
Odor Threshold No information available	•	н н н	· · ·	1			·		,
pH No information available									
Melting Point/Range No data available		1 I 1			1 1		: • •		,
Boiling Point/Range No information avail									
Flash Point No information available						1			
Evaporation Rate Not applicable	1. 	1 I	н н н	1	1 1	н н н	1		,
Flammability (solid,gas) No information a	available	9							
Flammability or explosive limits		· · ·		; * *	1 I		: ' '	н н н	,
Upper No data available									
Lower No data available									
Vapor Pressure No information available	'., !	н н н		1	1		1.0		
Vapor Density Not applicable									
Specific Gravity No information available	; ; ; ; ;				1 1				,
Solubility No information available			1 I						

Partition coefficient; n-octanol/water No d	ata av	ailable						
Autoignition Temperature No information								
Decomposition Temperature No informati	ailable			,		1.1		
Viscosity Not applicable								
Molecular Formula Nd2 (CO3)3. xH2 O		ı	· .	,	1			· .
Molecular Weight 468.51(anhy)			· ·			1 I	19	

#### **SECTION 10. STABILITY AND REACTIVITY**

					1	1.0	1	1		
Reactive	Hazard None	known,	based on i	nforma	ation av	vailable				
Stability S	Stable under r	normal co	onditions.					1 - 1 1		
Condition	is to Avoid Inc	compatib	le products	S:, ,	1 I		1.	 н н н	1	
Incompat	ible Materials	Strong o	oxidizing a	gents						
Hazardou	is Decomposi	tion Proc	luctsNone	under	norma	l use cono	ditions		: • •	
	us Polymeriza									
	us Reactions I					,		,		

#### SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity						н н 1		н н н		
Product Informat	ion									
Component Infor	matio	า่	н н н	1			1	 	1	 
Component										
Carbonic acid, n	eodym	ium(3+	⊦) salt (3:	2), hydra	ate	14		 11		 11
LD50 Oral										
LD50 > 5 g/kg ( I	Rat )							 		 
LD50 Dermal						,		1		
Not listed						1.				
LC50 Inhalation		,	I.			,		1		
Not listed			· · ·			н н Н		н н Н		

			11			1.						
Toxicologically S	Synerg	istic Pro	oducts									
No information a	vailab	le										
Delayed and imr	nediat	e effect	ts as well	as chro	nic effe	ects from	short an	id long-	term exp	osure		
Irritation No info	rmatior	n availa	able									
Sensitization No	inform	nation a	available	i i i	1	11	1	1		111		
Carcinogenicity			н н н			н н н						
Component	·			1			·			5		
Carbonic acid, n								·				
CAS-No	: • •					·			1.	1.1		·
38245-38-4												
IARC										11		
Not listed	·			·	1 I 1					1		
NTP												
Not listed	; • •			; • •	1 I	1. 1.	111			1.11		÷.,
ACGIH												
Not listed					. '			. '			. '	
OSHA	<b>'</b>		· · ·	1.0	1	н н н	1.1			1		
Not listed												
Mexico			14		1 I 1			· · ·	14	111		÷.,
Not listed												
Mutagenic Effec												
Reproductive Ef	fects N	lo infor	mation av	vailable.	1		1 			1		
Developmental I	Effects	No info	ormation									
Teratogenicity N	o infor	mation	available	Э.						111		
STOT - single ex	kposur	e None	known			н н н					$\mathcal{A}^{(1)}$	
STOT - repeated	l expo	sure No	one know	'n	1 1		·			·		
Aspiration hazar	d No ir	nformat	tion availa	able	ı			1				
Symptoms / effe	cts,bo	th acute	e and dela	ayed	1 1	۰.			· .	:		
No information a	vailab	le			ï			,				
Endocrine Disru	ptor In	formati	on No inf	ormatior	n availa	ible						

Other Adverse Effects The toxicological properties have not been fully investigated.

#### **SECTION 12. ECOLOGICAL INFORMATION**

Ecotoxicity

Do not empty into drains.

Persistence and Degradability Insoluble in water

Bioaccumulation/ Accumulation No information available.

Mobility is not likely mobile in the environment due its low water solubility.

#### SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is

classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

#### SECTION 14. TRANSPORT INFORMATION

DOT Not regulated									
TDG Not regulated	. '			, '			. '		
IATA Not regulated	1 I	· · ·	·	1 I	н н н	1		1	
IMDG/IMO Not regulated	d								

# SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

	1 1 1								
Clean Air Act Not applicable									
OSHA - Occupational Safety and									
Health Administration	·			·			1		
Not applicable									
CERCLA Not applicable		1 1			1				
California Proposition 65 This product c	loes no	t contai	n any Pro	opositior	n 65 che	emicals.			
U.S. State Right-to-Know Regulations	·			·			·		
Not applicable								1	
U.S. Department of Transportation			5. 1						۰.
Reportable Quantity (RQ): N		,	,			,			
DOT Marine Pollutant N			1 - 1 1	. 11					
DOT Severe Marine Pollutant N	·			·			·		
U.S. Department of Homeland									
Security			14. 14.				: * *		• • ,
This product does not contain any DHS									
Other International Regulations									
Mexico - Grade No information availabl	e		1 - 1 1	1		· · ·	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.