

samaterials.com

SAFETY DATA SHEET

Version 3.0 Revision Date 09/04/2017

	RODUCT AND COMPANY ID				1			1		
	roduct identifiers	ENTIFICATION								
1111	Product name Brand	: Neodymiun : SAM	n(III) o	xide	;	1		t.		
	CAS-No.	: 1313-97-9	14			14		1	14	
2	Relevant identified uses of	the substance or mi	xture and	d uses ad	vised agai	nst				
	Identified uses	: Laboratory chem	icals, Ma	nufacture	of substand	ces				
3	Details of the supplier of the	ne safety data sheet			111					
	Company	Stanford Advan Materials 23661 Birtcher Lake Forest, CA	Dr.	14. 19	:	1	14. 14.	a'	1	
		USA	14		1	14		÷.,	(1,1)	
	Telephone Fax	: +1 (949) 407-89 : +1 (949) 812-60								
4	Emergency telephone num	ber			: • •					
	Emergency Phone #	: +1 (949) 407-89	904							
HA	ZARDS IDENTIFICATION					· .				
1	Classification of the substa	ance or mixture	1							
	Not a hazardous substance	e or mixture.								
2	GHS Label elements, inclu	ding precautionary s	tatement	S						
	Not a hazardous substance	e or mixture.								
3	Hazards not otherwise clas	sified (HNOC) or not	covered	by GHS -	none					
	OMPOSITION/INFORMATIO									
1	Substances									
	Formula	: Nd2O3								
	Molecular Weight CAS-No. EC-No.	: 336.48 g/mol : 1313-97-9 : 215-214-1		н н н	:.	1. 1.		÷.,	1	
	No ingredients are hazardo No components need to be	ous according to OSH disclosed according	A criteria to the ap	n. oplicable r	egulations.					
FII	RST AID MEASURES				1					
1	Description of first aid mea	asures								
	If inhaled If breathed in, move persor		preathing	, give artil	ficial respir	ation.				
	In case of skin contact		14			$\mathcal{D}_{\mathcal{A}}$			14	
	Wash off with soap and ple	enty of water.								
	wash off with soap and pie	enty of water.								

	In case of eye contact Flush eyes with water as a precaution.				t.		· · ·
1. 1.	If swallowed Never give anything by mouth to an unconscious person. Rinse mout	h with v	vater.		÷.,	1.	
4.2	Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the	e labellii	ng (see s	section 2.2) and/or in	section	11
4.3	Indication of any immediate medical attention and special treatm needed no data available	ent			:**		
5. FIR	REFIGHTING MEASURES						· .
5.1 E	xtinguishing media						
1. 1.	Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstance	es and	the surro	ounding er	vironment		
5.2	Special hazards arising from the substance or mixture Nature of decomposition products not known.						
	neodymium oxides	:			:**		
5.3	Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.					1	÷.,
5.4	Further information The product itself does not burn.						
6. AC	CIDENTAL RELEASE MEASURES			1			
6.1	Personal precautions, protective equipment and emergency prod Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.	cedures	5				
6.2	Environmental precautions Do not let product enter drains.						
6.3	Methods and materials for containment and cleaning up Sweep up and shovel. Keep in suitable, closed containers for dispose	al.		· .			· ·
6.4	Reference to other sections For disposal see section 13.		14			14. 1	
7. HA	NDLING AND STORAGE						
7.1	Precautions for safe handling Provide appropriate exhaust ventilation at places where dust is forme For precautions see section 2.2.	d.			111		
7.2	Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place.	:			÷.	1	11
· .	hygroscopic Keep in a dry place.	:	· · ·		:	· · ·	
7.3	Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses a	ire stipu	lated				
8. EX	POSURE CONTROLS/PERSONAL						
PRO	TECTION 8.1 Control parameters						
	Components with workplace control parameters Contains no substances with occupational exposure limit values.	i.	1		e ^r	1	÷.,
8.2	Exposure controls						
· · .	Appropriate engineering controls General industrial hygiene practice.	1	14		1.	1.	
						Page 2	of 7

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 Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, 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	al and chemical properties					111		
	a) Appearance	Form: powder Colour: light blue							
	b) Odour	no data available							1.
	c) Odour Threshold	no data available							
14	d) pH	no data available		1.	14		÷.,	1.	
	 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	14	:	1		:	1	11
	i) Flammability (solid, gas)	no data available							
14	j) Upper/lower flammability or	no data available		1	14	н н Н	÷.,	14	

explosive limits k) Vapour pressure no data available n) Vapour density 7.24 g/mL at 20 °C (68 °F) n) Water solubility no data available catanol/water no data available p) Auto-ignition no data available g) Duro-ignition no data available g) Duro-ignition no data available g) Duro-ignition no data available g) Outo-ignition no data available g) Outo-ignition no data available g) Outo-ignition no data available g) Other safety information no data available g) Other safety information no data available g) Other safety information no data available g) Chemical stability Stable under recommended storage conditions. g) Chemical stability Stable under recommended storage conditions. g) Obscience/iso available Intervent of hice: see section 5 g) Other safety information mo data available g) Other safety information Intervent of hice: see section 5 g) Other safety information mo data available g) Other safety information In data available g) Othe											. '
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cell mutagenicity

:	Germ cell	mutagenicit	ý				11.					
۰.	mouse Cytogenet	ic analysis	·			1. 1.	1 - 1 1		14. 14.	1 - 1 1	1	÷.,
	Carcinog	enicity										
,	IARC:	No compo as probab							qual to 0	.1% is ider	ntified	
,	ACGIH:	No compo a carcinog	nent of Jen or p	this proc	luct prese arcinoge	nt at lev by ACC	els greater GIH.	r than or e	qual to 0	.1% is ider	ntified as	
	NTP:	No compo a known o					els greater	than or e	qual to 0	.1% is ider	ntified as	
	OSHA:	No compo a carcinog						than or e	qual to 0	.1% is ider	ntified as	÷.,
	Reproduce no data av	tive toxicity	/		Ū	-						
	no data av	ailable		1.1	: * *		11	111		11	111	
	Specific t	arget organ /ailable	toxici	ty - singl	e exposu	ire						
	Specific t	arget organ ⁄ailable	toxici	ty - repea	ated expo	osure	1.	:		1.		:
	Aspiration		1.		1.	14	1 - 1 1	1	14	1 - 1 1	1	÷.,
		Il Informatic lot available	n		;							
2. E	COLOGICA		TION									
2.1	Toxicity no data av	ailable	;	1.	÷	1	14	÷	1	14		1
2.2	Persisteno no data av	e and degra ailable	dabilit	y , , , , , , , , , , , , , , , , , , ,	÷.	1. 1.		÷.,	1. 1.		1	÷.,
2.3	Bioaccum no data av	ulative pote r ailable	ntial									
2.4	Mobility in no data av				:**			: • •			:**	
2.5		PBT and vP assessmen				al safety	assessme	nt not req	uired/not	conducted	Ł	
2.6	Other adv	erse effects										
	no data av	vailable	•			14. 14.		÷.,	1			÷.,
3. D	ISPOSAL C	ONSIDERAT	IONS									
3.1 \	Vaste treatr	nent methoo	ls									
	Product	lus and non-		11				111				

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

· · ·	REGULATORY INFORMATI	ON	111			111			1.1.1		
	SARA 302 Components										
	SARA 302: No chemicals	in this mate	rial are su	bject to	the repo	rting requirem	ents of	f SARA Tit	le III, Secti	on 302.	
	SARA 313 Components	1.		1	1.1	:		1			÷.,
	SARA 313: This material of the threshold (De Minimis)								s that exce	ed	
	SARA 311/312 Hazards No SARA Hazards					Ξ.	· · .		÷.	÷.,	
	Massachusetts Right To No components are subje				to Know	Act.					
	Pennsylvania Right To K		onents								
		-				CAS-No.		Revisior	n Date		
	Neodymium oxide	14		1	14	1313-97-9		14		1	14
	New Jersey Right To Kno	w Compone	ents								
	New Jersey Right TO Rho										
	Neodymium oxide			1. 1.		CAS-No. 1313-97-9	1. 1.	Revisior	n Date	1. 1.	
		oonents	١,	nown to S	State of (1313-97-9	ause ca		1.	or any	
	Neodymium oxide California Prop. 65 Com This product does not con other reproductive harm.	oonents	١,	nown to S	State of (1313-97-9	ause ca		1.	or any	
6. 0	Neodymium oxide California Prop. 65 Com This product does not con	oonents	١,	nown to S	State of (1313-97-9	ause ca		1.	or any	
<u>6. C</u>	Neodymium oxide California Prop. 65 Com This product does not con other reproductive harm. DTHER INFORMATION HMIS Rating Health hazard: Chronic Health Hazard: Flammability:	oonents tain any che 0	١,	nown to S	State of (1313-97-9	ause ca		1.	or any	
6. C	Neodymium oxide California Prop. 65 Com This product does not con other reproductive harm. OTHER INFORMATION HMIS Rating Health hazard: Chronic Health Hazard:	oonents tain any che	١,	nown to S	State of (1313-97-9	ause ca		1.	or any	

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