

samaterials.com

SAFETY DATA SHEET

Version 3.0 Revision Date 09/04/2017

1 Di	RODUCT AND COMPANY IDE	ENTIFICATION							
.161	oduct identifiers								
	Product name Brand	: Lanthanum nick : SAM	elate	н н н		1		н н Н	
	CAS-No.	: 12031-41-3			·		.:		
.2	Relevant identified uses of t	the substance or mixture a	ind uses ad	vised agai	nst				
	Identified uses	: Laboratory chemicals, N	Manufacture	of substand	ces				
.3	Details of the supplier of the	e safety data sheet			· .				
	Company	Stanford Advanced : Materials 23661 Birtcher Dr. Lake Forest, CA 9263	· 0		· · · ·	·	• •		
' .	Telephone Fax	USA : +1 (949) 407-8904 : +1 (949) 812-6690		.:	1. 1.	· · .	.:	÷.,	
.4	Emergency telephone numb								
	Emergency Phone #	: +1 (949) 407-8904		: * *	`: 		; • •	· .	,
. H/	ZARDS IDENTIFICATION								
.1	Classification of the substa	nce or mixture	1			1.1			
	GHS Classification in according Skin irritation (Category 2), I) (OSHA HC	CS)					
	For the full text of the H-Stat	tements mentioned in this ?	Section, see	Section 1	6.				
.2	GHS Label elements, includ	ling precautionary stateme	ents						
	Pictogram			:**	`: 		;**		
	Signal word Hazard statement(s) H315	Warning Causes skin irritation.	`	· · ·			· · ·		
	Precautionary statement(s) P264 P280 P302 + P352	Wash skin thoroughly Wear protective glove IF ON SKIN: Wash wit	S.	-	water				
	P321 P332 + P313 P362	Specific treatment (se If skin irritation occurs Take off contaminated	e supplements: Get medica	ntal first ai al advice/ a	d instruc attention	•	is label).	1	
	azards not otherwise classifi	ied (HNOC) or not covered	d by GHS -	none		1			
.3H									
	DMPOSITION/INFORMATION	I ON INGREDIENTS							
. CC	DMPOSITION/INFORMATION				14	11	.1	14	
. CC	DMPOSITION/INFORMATION	I ON INGREDIENTS	9	.1				Page 1 d	of 7

Formula		: La2NiO4
Molecular Weight		: 400.50 g/mol
CAS-No.	1.1	12031-41-3

	Component		Classifica	ation		Conce	entration		
	Lanthanum nickel oxide								
			Skin Irrit.	2; H315		90 - 1	00 %		
	For the full text of the H-Statements mentioned	l in this S	Section, see	Section 1	6.				
FI	RST AID MEASURES					·			
1	Description of first aid measures								
•	-								
	General advice Consult a physician. Show this safety data she	et to the	doctor in at	tendance l	Move or	it of dance	rous area		
	If inhaled					it of dalige			
	If breathed in, move person into fresh air. If not	t breathir	ng, give arti	ficial respir	ation. C	onsult a ph	nysician.		
	In case of skin contact	1			1				
	Wash off with soap and plenty of water. Consu	lt a phys	ician.						
	In case of eye contact		1			1. A.			
	Flush eyes with water as a precaution.								
	If swallowed								
	Never give anything by mouth to an unconscio	us perso	n. Rinse mo	outh with w	ater. Co	nsult a phy	ysician.	11	
2	Most important symptoms and effects, both a	cute and	delayed						
	The most important known symptoms and effe	cts are d	escribed in	the labellir	ng (see s	section 2.2) and/or in	section	11
3	Indication of any immediate medical attention	on and s	pecial trea	tment			: • •		
	needed no data available								
FII									
	REFIGHTING MEASURES		1			1			
	Extinguishing media	1 I	1			·	• •	н н н	
	Extinguishing media Suitable extinguishing media	nemical d	or carbon di	oxide.	· · ·				
E	Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry ch			oxide.		1 1	.:		
	Extinguishing media Suitable extinguishing media			oxide.		· · · ·			
1 E 2	Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry ch Special hazards arising from the substance no data available			oxide.		1 1			
IE	Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry ch Special hazards arising from the substance no data available Advice for firefighters	or mixt	Ire			····			
1 E 2 3	Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry ch Special hazards arising from the substance no data available Advice for firefighters Wear self contained breathing apparatus for fir	or mixt	Ire			1	· : .:		
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1 E 2 3 4 Ā(Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry ch Special hazards arising from the substance no data available Advice for firefighters Wear self contained breathing apparatus for fir Further information no data available CCIDENTAL RELEASE MEASURES Personal precautions, protective equipment at Use personal protective equipment. Avoid dust adequate ventilation. Avoid breathing dust. For personal protection see section 8. Environmental precautions Do not let product enter drains. Methods and materials for containment and cl 	or mixto e fighting nd emer t formatic eaning u dust. Sw	ure if necessa gency proc on. Avoid br	ry. edures eathing va shovel. Ke	pours, n eep in su	nist or gas. uitable, clos	Ensure sed contai	·····	

7. HANDLING AND STORAGE 7.1 Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2. Conditions for safe storage, including any incompatibilities 7.2 Keep container tightly closed in a dry and well-ventilated place. 7.3 Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated 8. EXPOSURE CONTROLS/PERSONAL **PROTECTION 8.1 Control parameters** Components with workplace control parameters Contains no substances with occupational exposure limit values. 8.2 **Exposure controls** Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Personal protective equipment Eye/face protection Safety glasses with side-shields conforming to EN166 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. **Body Protection** impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. **Respiratory protection** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. 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 physical and chemical properties a) Appearance Form: solid Odour no data available b) c) Odour Threshold no data available d) pН no data available

e) Melting point/freezing Melting point/range: > 400 °C (> 752 °F)

f) Initial boiling point and no data available

point

- boiling rangeg) Flash point not applicable
- h) Evapouration rate no data available

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	i)	Flammability (solid, gas)	no data available		1 			1			÷
	í)	Upper/lower	no data available								
	J /	flammability or explosive limits		14			14	11		14	···,
	k)	Vapour pressure	no data available								
	I)	Vapour density	no data available								
1	m)	Relative density	no data available				:				
	n)	Water solubility	no data available								
	o)	Partition coefficient: n- octanol/water	no data available		1			1			<u>'</u>
'.	p),	Auto-ignition temperature	no data available	1. 1.	11. 1			· · · ·		1. 1.	· · .
	q)	Decomposition temperature	no data available								
1	r)	Viscosity	no data available			: * *	1		111		
	s)	Explosive properties	no data available								
	t)	Oxidizing properties	no data available		·			·			·
9.2		her safety information data available									
10 6	TAD	LITY AND REACTIVITY		1.	· · · .		1			1	· · .
10. S											
	no	data available									
10.2		emical stability ble under recommended s	storage conditions.				1				
10.3		ssibility of hazardous reac data available	tions		1		н н н	1			1 1
10.4		nditions to avoid data available		1. 1.	· · · .	.1	1. 1.	···.	.1	1. 1.	· · .
10.5		compatible materials data available									
10.6	Haz Oth	cardous decomposition pr zardous decomposition pro ner decomposition products he event of fire: see section	oducts formed unde s - no data availabl		onditions	Nickel/nicl	kel oxide	es, Lanthai	num oxide:	3	····
11. T	OXIC	OLOGICAL INFORMATIO	NC								
11.1	Info	ormation on toxicological	effects	· .			1		:	1	
		u te toxicity data available	, ,			,			,	,	
	Dei	rmal: no data available									
`: 	no	data available				1.1.1	1				
		n corrosion/irritation data available			·			·			·
		rious eye damage/eye irr data available	itation								
	Re	spiratory or skin sensitis data available	ation	1.	· · · .			· · .		14	· · ·
										Page 4	of 7

Germ cell mutagenicity

no data available Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity no data available no data available Specific target organ toxicity - single exposure no data available Specific target organ toxicity - repeated exposure no data available Aspiration hazard no data available **Additional Information RTECS: Not available 12. ECOLOGICAL INFORMATION** 12.1 Toxicity no data available 12.2 Persistence and degradability no data available 12.3 **Bioaccumulative potential** no data available 12.4 Mobility in soil no data available 12.5 Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted 12.6 Other adverse effects no data available **13. DISPOSAL CONSIDERATIONS** 13.1 Waste treatment methods Product Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging Dispose of as unused product. **14. TRANSPORT INFORMATION** DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

Not dangerous goods

	SARA 302 Compo		n this moto	rial are en	bioct to	the repe	rting roquirem	onto o			ion 202	
	SARA 302: No che SARA 313 Compo		n this mate	rial are su	bject to t	ine repo	rung requirem	ents o	SARA III	ie III, Sect	ion 302.	
	SARA 313: This m the threshold (De M	aterial d								s that exce	ed	
	SARA 311/312 Ha		· · · ·		14	· · .		14. 14	· · .		1. 1.	
	Massachusetts Ri No components are				ts Right	to Know	Act.					
	Pennsylvania Rig	ht To Ki	now Comp	onents	1			1		111	1	
	Lanthanum nickel c	oxide					CAS-No. 12031-41-3		Revisior	n Date		
	New Jersey Right	To Know	/ Compone	ents		·			1.1			
							CAS-No.		Revision Date			
	Lanthanum nickel o	oxide					12031-41-3					
	Lanthanum nickel o California Prop. 6	· · · ·	onents	.1	1. 1.	· · .	12031-41-3	1. 1.			1. 1.	
		5 Comp not cont		emicals kn	own to S	State of C		ause ca	ancer, birth	n defects, c	or any	
	California Prop. 6 This product does	5 Comp not cont		emicals kn		State of C	California to ca	ause ca	ancer, birth	n defects, c	or any	
0	California Prop. 6 This product does	5 Comp not cont harm.	ain any che	emicals kn			California to ca	ause ca		n defects, c	or any	
0	California Prop. 6 This product does other reproductive	5 Comp not conta harm.	ain any che			····	California to ca	ause ca		n defects, c	or any	
0	California Prop. 6 This product does other reproductive	5 Comp not conta harm. DN ements Cause	ain any che	o under s		····	California to ca	ause ca		n defects, c	or any	
0	California Prop. 6 This product does other reproductive THER INFORMATIC Full text of H-Stat H315 Skin Irrit. HMIS Rating	5 Comp not conta harm. DN ements Cause	ain any che referred to s skin irrita ritation	o under s		····	California to ca	ause ca		n defects, c	or any	
0	California Prop. 6 This product does other reproductive THER INFORMATIC Full text of H-Stat H315 Skin Irrit. HMIS Rating Health hazard: Chronic Health Haz	5 Comp not conta harm. DN ements Cause Skin ir	ain any che referred to s skin irrita ritation 2	o under s	ections	2 and 3.	California to ca			n defects, c	or any	
0	California Prop. 6 This product does other reproductive THER INFORMATIC Full text of H-Stat H315 Skin Irrit. HMIS Rating Health hazard:	5 Comp not conta harm. DN ements Cause Skin ir	ain any che referred to s skin irrita ritation	o under s		2 and 3.	California to ca			n defects, c	or any	
0	California Prop. 6 This product does other reproductive THER INFORMATIC Full text of H-Stat H315 Skin Irrit. HMIS Rating Health hazard: Chronic Health Ha: Flammability:	5 Comp not conta harm. DN cause Skin ir zard:	referred to s skin irrita ritation 2 0	o under s	ections	2 and 3.	California to ca			n defects, c	or any	

Further information

This material safety data sheet is offered solely for your information, consideration, and investigation. Stanford Advanced Materials provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.

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