

# SAFETY DATA SHEET

									Date	Accesse	ed: 25/08	8/2
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SE		I 1. ID	ENT	IFICA	TION							
	duct Nam										111	
-	S #: 12036	-					1					
CAS	S #: 12036	-04-3				,						
Rel	evant iden	ntified us	ses of t	he subs	stance: S	cienti	ic resea	arch and	develo	opment		
Sup	oplier deta	ils:										
Stai	nford Adva	nced Ma	terials								111	
E-m	nail: sales@	))samate	rials.co									
Tel:	(949) 407	-8904		, , ,								
Add	lress: 2366	51 Birtche	er Dr., l	_ake For	est, CA 9	2630 l	J.S.A.					
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Stat	tement of H	lazard: I	rritant,	Respirat	ory irritan	t :			н н Н			
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Stat Acu May Chr HM	tement of F te Health F / be harmfu onic Health IS Rating:	Hazard: I Hazard: I ul by inge n Hazard H:1 F:0 F H:1 F:0	rritant, rritant t estion, I: Not A P:0 R:0	Respirat o eyes, s skin abso vailable	ory irritan skin, muco orption ar	t ous mo id inha	embrane	es and re	spirato	ry systen	 	
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Signal Word: W	arning										
Hazard Stateme			swallow	ed.							
H312 Harmful ir	i contact wi	th skin.									÷.,
H315 Causes sl	kin irritation										
H319 Causes se	erious eye i	rritation.	1.1						111		
H332 Harmful if	inhaled.H3	35 May cau	use respi	iratory i	rritation.		1 I			н н н	
Precautionary S	tatement(s)	): P261 Avc	oid breatl	hing du	st/fume/g						
P280 Wear prot	ective glove	es/protectiv	e clothin	g/eye p	rotection/						
protection.				1			T.				
P301+P312 IF \$	SWALLOW	ED: call a F	POISON	CENTE	R or doct	or/phys	ician				
IF you feel unwe	ell.			1			н н н			н н Н	
P302+P352 IF (	DN SKIN: w	ash with pl	enty of s	oap an	d water.				. :		÷.,
P304+P340 IF I											
position comfort	able for bre	athing.		1					; • •		
P305+P351+P3	38 IF IN EY	′ES: Rinse			water for	several					
minutes. Remov	ve contact le	enses, if pre	esent an	d easy	to do. Co	ntinue		н н н			
rinsing.	· · ·		, , ,								÷.,
P332+P313 IF \$	SKIN irritatio	on occurs: (	Get med	ical adv	vice/attent	ion.					

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Palladium dioxide hydra			<u>с</u>	 	14. 1	 
CAS Number: 12036-04-3						
MDL Number: MFCD00054017		1	1	 		 
EINECS Number: 234-836-4		1 I 1		 н н н		 
Beilstein Registry Number: Not Available	<b>)</b>					ı
Molecular Formula: PdO2.xH2O	1 1			 1 1		 
Molecular Weight: 138.42		I.				
Content: As specified in product name.						

### SECTION 4. FIRST AID MEASURES

Eye Contact: Flush eyes with large amounts of water for fifteen minutes. Separate		
eyelids with fingers. If irritation persists, seek medical attention.		
Skin Contact: Wash skin with soap and water. If irritation persists, seek medical	; • •	
attention. Ingestion: Do not induce vomiting. Seek medical attention.		1 - 1 1
Inhalation: Move to a fresh air environment. Contact a physician if breathing	н 1 - 1	
becomes difficult.		

## **SECTION 5. FIREFIGHTING MEASURES**

Flash Point (°C): N			· .			· .			· ·	
Explosion Limits: N										
Auto Ignition							,			
Temperature (°C):			1 1 1			1 1 1				
Not Available						·			·	
Extinguishing Medi										water
spray				: * *				· .		
Protective Equipme	ent: W	/ear se	elf-contai	ned res	pirator	and fully	protectiv	/e impe	rvious su	uit.
Specific Hazards: N	May e	mit ha	zardous	fumes ι	under fi	re condit	ions.			

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear a self-contained breathing apparatus, rubber	boots a	nd gloves	5,
and disposable coveralls. Dispose of coveralls after use. Remove from			
ignition sources if safe to do so. Follow emergency response plan and			
contact proper authorities if needed.			
Keep unprotected persons away.			
Environmental Protection: Keep spills out of sewers and bodies of water	Dike a	nd contai	n the

	alçılal. P	bsorb	on sand	, vermic	ulite or	diatomite.					
ransfer materia			· .			y. Ventilat			1.		
and wash spill si	ite after i	materia	al pickup	is comp	olete.						
1	1 1 1 1										
SECTION	7. HA	NDL		AND	STO	RAGE					
landling and St	orage: A	void b	reathing	dust, va	ipor, mi	st or gas.	Avoid	contact	with skin	and	
eyes. Avoid prol	onged o	r repea	ated expo	osure. U	lse only	in a chen	nical				
ume hood. Ope away.	n and ha	andle c	ontainer	with cai	re. Kee	p ignition s	source	S		111	
Store in a tightly	closed (	contair	ner in a d	ry, well-	ventilat	ed place.		1 - 1 1			
Sensitivities:											
Storage Temper	ature (°C	C):									
lot Available	111			; • •			; • •				
5 to 30					1 - 1 1						
			·			۰.					
SECTION	8. EX	POS	URE	CON	TRO	LS/PE	RSO	NAL			
PROTECT	ION			: 1				,			
Engineering Cor	ntrols: Us	se proo	duct in a	well ver	ntilated						
Engineering Cor ab equipment w			1 I			area or ur					· · ·
	/hile han	dling t	his produ	ıct. Keep	o away	area or ur from	nde <u>r</u> a f	ume ho		proper	
ab equipment w	/hile han aterials fo	dling ti or poss	his produ sible risk	ıct. Keer of hazaı	o away rdous re	area or ur from eaction.	nder a f	ume ho y gogg	ood. Use les. Make	proper	· · ·
ab equipment w ncompatible ma	vhile han aterials fo Wear ap	dling ti or poss propria	his produ sible risk ate prote	ıct. Keer of hazaı ctive eye	o away rdous re eglass (	area or ur from eaction.	nder a f	ume ho y gogg	ood. Use	proper	· · ·
ab equipment w ncompatible ma Eye Protection: <sup>v</sup>	vhile han aterials fo Wear ap s an eyev	dling tl or poss propria wash s	his produ sible risk ate protee station in	ict. Keer of hazai ctive eye your vic	o away rdous re eglass o cinity.	area or ur from eaction. or chemica	nder a f	ume ho ty gogg	ood. Use les. Make	proper	· · · · · · · · · · · · · · · · · · ·
ab equipment w ncompatible ma Eye Protection: <sup>v</sup> sure that there is	vhile han aterials fo Wear ap s an eyev Wear im	dling th or poss propria wash s pervic	his produ sible risk ate prote station in ous glove	ict. Keep of hazai ctive eye your vic s and pi	o away rdous re eglass o cinity. rotectivo l respira	area or ur from eaction. or chemica e clothing. ator when	nder a f al safet	ume ho ty gogg ure limit	ood. Use les. Make	proper	
ab equipment w ncompatible ma Eye Protection: V sure that there is Skin Protection:	vhile han aterials fo Wear ap s an eyev Wear im tection: L	dling th propria wash s pervic Jse a f	his produ sible risk ate prote station in ous glove NIOSH a	of hazai of hazai ctive eye your vic s and pi pproved	o away rdous re eglass o cinity. rotectivo l respira	area or ur from eaction. or chemica e clothing. ator when	nder a f al safet	ume ho ty gogg ure limit	ood. Use les. Make	proper	
ab equipment w ncompatible ma Eye Protection: V sure that there is Skin Protection: Respiratory Prot	vhile han aterials fo Wear ap s an eyev Wear im tection: L	dling th or poss propria wash s opervic Jse a l toms a	his produ sible risk ate protec station in ous glove NIOSH a are exper	of hazaı of hazaı ctive eye your vic s and pı pproved ienced.	o away rdous re eglass o cinity. rotectivo l respira	area or ur from eaction. or chemica e clothing. ator when	al safet	ume ho ty gogg	ood. Use les. Make	proper	)r
ab equipment w ncompatible ma Eye Protection: V sure that there is Skin Protection: Respiratory Prot	while han aterials fo Wear ap s an eyew Wear im tection: U ter symptoric : Country	dling th propria wash s pervic Jse a f toms a y Sour	his produ sible risk ate protec station in ous glove NIOSH ap are exper	ict. Keep of hazai ctive eye your vic s and pi pproved ienced. Value	o away rdous re eglass o cinity. rotectivo I respira	area or ur from eaction. or chemica e clothing. ator when	nder a f	ume ho ty gogg	ood. Use les. Make	proper	or

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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Point (°C	C): Not	Available						
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### SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures. Incompatibility: Strong oxidizing agents

Reactivity: Product may react with incompatible materials to release other

			1			1 1 1					. '
hazardous substances.											
Conditions to Avoid: He	at, flar	ne, sparl	ks, other	<sup>-</sup> ignitio	n source	S.					
Hazardous					14. 1			1			1.
Decomposition Products	S:										
Palladium oxides											. '
	1 I										
SECTION 11. T	ΟΧΙ	COLC	)GIC/	AL IN	IFORI	ΜΑΤΙΟ	ON				· .
RTECS Reference:						1.1.1			1 1 1 1	÷ .	
Target Organs: Not Ava	ilable										
Not Available				1	н 1 1.						
Toxicity Data: Not Availa	able										۰.
National Toxicology Pro											
Not Available			: • •						111		
Carcinogenicity:											
International Agency for	Rese	arch on (	Cancer (	(IARC)	listed:			1 1			
Not Available				1			, , ,				· .
Potential Symptoms: No	ot Avai	lable									
			1 - F - F F			1.1.1			111		. '
SECTION 12. E		OGIO			RMAT		1 I 1			1 - 1 1	
Toxicity: Not Available	1 1	· .				1 1		14. 1	1 1		
the second second			1 + + + 1			1.1.1					. '
SECTION 13. D	ISP	OSAL		SID	ERAT	IONS					

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

### **SECTION 14. TRANSPORT INFORMATION**

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DOT: Not Regulated	1 - 1 1			1 I			1 - 1 1			· · ·	
IATA: Not Regulated											
IMDG: Not Regulated											
in the second				1 1 1			1 1 1		111	: .	
SECTION 15. I	REGL	JLATC		NFO	RMA	ΓΙΟΝ					
United States		1.			· .			· .			
Toxic Substance Cont											
Superfund Amendmen	ts and F	Reauthoriz	zation A	vct (SAI	RA 302) I	isted: N	0				
Superfund Amendmen	ts and F	Reauthoriz	zation A	Act (SAI	RA 311/3	12) liste	d: No				
Superfund Amendmen	ts and F	Reauthoriz	zation A	Act (SAI	RA 313) I	isted: N	0			н н н	
European Union								1. 1.			
European Inventory of											
Canada							н 1 - 1		: • •		
Canadian Non-Domes	tic Subs	tances Li	st (NDS	SL) liste	d: Yes						
Canadian Domestic Su	ubstance	es List (D	SL) liste	ed: No			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.