

SAFETY DATA SHEET

*			1.1		:**	'			Date	Accessed	d: 25/08	s/202
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1		:		1. 	1	1.	14	, i'	÷.		:	:
SEC	CTION	1. ID	ENT	IFICA								
	uct Name:				111	'		111	'		:**	'
	#: 7440-06								· .			
	vant identi		ses of t	the subs	stance: S	Scienti	fic resea	rch and	develo	opment		1.
	lier details		toriala									
	ord Advand il: sales@s			. '					'		: * *	'
	949) 407-8								-			
	ess: 23661											
1.												1
SEC	CTION	2. H		RDS I	DENT	IFIC		N	'		111	'
Class	ification of	the su	bstance	e or mixt	ure	· .	н н н		1	1 - 1 1		
GHS	Classificati	ion in a	iccorda	nce with	29 CFR	1910 ((OSHA H	CS)				
Flamr	nable solid	s(Cate	gory 1), H228	;	· ·	1	1	1.	14		
For th	e full text o	of the H	I-State	ments m	entioned	l in this	Section,	see Sec	ction 16)		
GHS	Label elem	nents, i	ncludin	g precau	itionary s	stateme	ents	1		.'		
Pictog				• •							• •	
-		1				1		1		1.		
Dange		;	· ,	· .		· ·	` .	1		· .		÷.
-		nt(e)										
	rd stateme	11(3)				1.1			1.1	.'		
H228			· .		· · ·	· ;	н н н		1	н н н		1

Flammable solid		· .	н н н		· :	1 I		1			· .	
Precautionary sta	atemen	ıt(s)										
P210				1	1		;					
Keep away from	heat/sp	oarks/o	pen flame	s/hot sı	urfaces	No smo	king.					
P240		¹						¹				
Ground/bond cor	ntainer	and rec	ceiving eq	uipmen	it. '	н н н					`: :	,
P241Use explosi	ion-pro	of elect	rical/ vent	ilating/	lighting	g/ equipme	ent.					
P280				1	' ,	, oquipine	1			1		
Wear protective	gloves/	eye pr	otection/ f	ace pro	tection	I.						
P370 + P378							1					
In case of fire: U	se dry s	sand, d	ry chemic	al or ald	cohol-r	esistant fo	am for	extinctio	on.			
Hazards not othe	erwise o	classifie	ed (HNOC) or not	covere	ed by GHS	S-none		1. 1.			

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	1		1	:			,	1	:
Formula: Pt	1	1. 1.		1	14. 14.	l'	14	t.	
Molecular weight: 19	5.08 g/m	nol							
CAS-No.: 7440-06-4				¹		; • •		: • •	'
EC-No.: 231-116-1									
Component: Platinun									
Classification: Flam.	Sol.1; H	228				1	14	1	1
Concentration: <=10	0%								

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Move out of dangerous area.				1 - 1 1					1
If inhaled									
If breathed in, move person ir	ito fresh a	air. If not	breathi	ng, give a	artificial	respira	ation. Cor	nsult a	
physician.									
In case of skin contact									
Wash off with soap and plent	/ of water	. Consul	t a phys	sician.					
In case of eye contact									
Flush eyes with water as a pr			· ·	' ,		· .	÷.	:	
If swallowed									
Do NOT induce vomiting. Nev									
water. Consult a physician.	1 - 1 1			н н н	· · ·	1	· · ·		
Most important symptoms and	d effects,	both acu	ite and	delayed	. *		· .		:
The most important known sy									,
and/or									
in section 11									
Indication of any immediate m	nedical att	ention a	nd spec	cial treatn	nent ne	eded	· · ·		
No data available	14. 14.	: ¹		14. 14.	1 1 1	1		:	
						*			
SECTION 5. FIREF									
Extinguishing media			:	1 I 1					
Suitable extinguishing media	1.		÷.,	1.	:	1		: É	1
Use water spray, alcohol-resi	stant foan	n, dry ch	emical	or carbon	dioxide	e.			
Special hazards arising from	he substa	ance or r	nixture		; • •			111	'
No data available				1 1					
Advice for firefighters								1	i
Wear self-contained breathing	g apparati	us for fire	efighting	g if neces	sary.Fu	irther ir	nformatio	n	1.
Use water spray to cool unop	ened cont	tainers.							
and providence and					111				

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all

sources of ignition. Evacuate personnel to safe areas.

For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner

or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected

vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid formation of dust and aerosols.

Further processing of solid materials may result in the formation of combustible dusts. The potential for

combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.Keep away from sources of ignition -No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

Storage class (TRGS 510): Flammable solid hazardous materials

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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).

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.

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

Flame retardant antistatic protective 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

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering

controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic phys	Appearance													
Appearance Image: I														
Appearance Form: powder Odor Odor No data available Odor Threshold No data available No data available Melting point/freezing point Melting point/range: 1,772 °C (3,222 °F)-lit. Initial boiling point and boiling range: 3,827 °C (6,921 °F)-lit.														
Odor		;	1		:			:	1	÷.,				
No data available														
Odor Threshold			'						'					
	ia (11)	r r r	1		н н н	`:			`:					
No data available	$0,\ldots,0,1$;	1		:	1		:	1.	÷.,				
Melting point/freezing point	nt													
Initial boiling point and bo	iling range: 3,8	27, °°C (6,921 °	F)-lit.										
Flash point														
N/A		;			1	1		ť		÷.,				
Evaporation rate No data available	ar gr		'		1 1 1 1									
Flammability (solid, gas)	n († 19		`: :	1 I			· · ·							
The substance or mixture Upper/lower flammability			vith the	category ²	1. :'	:	14. 1	a' -	: .	· .				
No data available Vapor pressure	ar gr		'		1 1 1 1				'					
No data available		1 I 1	1	1 I	1									

					. '	1					
Vapor density	4			1					• •	4	
No data available											
Relative density	1.		:	1	с. С.					1	÷.,
21.45 g/mL											
Water solubility			1			1					
No data available		1 - 1 1		1			1				
Partition coefficient: r	n-octanol	/water	. '	1			1	· .			
No data available		,		,		,	,				
Auto-ignition tempera	ature						'				
No data available											
Decomposition temp	erature	1 I									
No data available			:		1. 1.			14. 14.			۰.
Viscosity											
No data availableExp	olosive pr	operties		'		111					
No data available											
Oxidizing properties	į	ı			,	,				i	
No data available	1,		:	1	14	, ¹		1			•••
Other safety informat											
No data available				'					111	'	
		1 I	1 I	1	1 - 1 1	1 - 1 1	1		1 - 1 1	1	
SECTION 10.	STAE	BILITY	AND) RE		/ITY	1		:	Ξ.	÷.,
Reactivity											
No data available	1.1		1	1 1	. '	1		. 1	1		. '
Chemical stability		1 - 1 1									
Stable under recomm	nended s	torage co	nditions	S.	· .			· .		:	۰.
Possibility of hazardo	ous reacti	ions	r	ı							
No data available											
Conditions to avoid											
Heat, flames and spa	arks.			1			1			1	

									-
Incompatible materials		`;			`;				
Strong oxidizing agents, Alcohols									
Hazardous decomposition products	:		14. 1	:	1	14. 1	÷.		1.
Hazardous decomposition products									
-Carbon monoxide, Carbon dioxide (C									
Other decomposition products									
-No data available In the event of fire: see section 5	e ^r	i,	14. 1	:	4	14. 1	:1	:	1.

an gran an th		1 1 1 1 1						111	1. ¹	
SECTION 11. T	OXICC	DLOGIC		NFOF	RMATI	ON		1 - 1 1		
Information on toxicolog	ical effect	S		1.	:		1. 1.	i.		÷.,
Acute toxicity										
No data available			'			'		; • •		
Inhalation: No data avai Dermal: No data availab		· · · ·	1		• •		• •			
Skin corrosion/irritation				1	:	1	14	:		÷.,
No data available										
Serious eye damage/eye	e irritation		'		111	'		111		1
No data available					· · ·					
Respiratory or skin sens										
No data available				1.		1	14			÷.,
Germ cell mutagenicity No data available	ant in ge							111		
Carcinogenicity		· · ·								
Carcinogenicity- Rat-Im					1					

Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Tumorigenic:Tumors at site or application.

Carcinogenicity-Mouse-Implant

Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Tumorigenic:Tumors at site or

application.

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 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: TP2160000 Stomach-Irregularities-Based on Human Evidence Stomach-Irregularities-Based on Human Evidence

SECTION 12. ECOLOGICAL INFORMATION

Toxicity		 		 '		
No data available	1		,		,	
Persistence and degradability:	1 I		1 I	 1	1 I	

		. '			. '			. '			
No data available	1			1						1	
Bioaccumulative potent	tial:										
No data available	1		:	1		1	1	14	t'		
Mobility in soil:											
No data available	'			'						'	
Results of PBT and vP	vB asse	essment:		· ;	· · ·	1 - 1 1	1	· · ·	· · ·	1	
PBT/vPvB assessment	not av	ailable as	chemic	al safe	ty assess	sment no	ot requi	red/not c	onducted	b	
Other adverse effects											
No data available	'			'							

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

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

Contaminated packaging

Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

DOT (US)UN number: 3089														
Class: 4.1						1.1				1.1 ¹				
Packing group: II	1	· · ·		1						1				
Proper shipping nan								· .		:				
Reportable Quantity		,	,		,	,	ı		1					
Poison Inhalation Ha		. '		'			'	. 1						
IMDG														

UN number: 3089

Class: 4.1											
Packing group: II											
Proper shipping name							*			*	
UN number: 3089	1	· · ·	1 - 1 1	1	· · ·			1 1 1			
Class: 4.1 Packing group: II	Ξ.	14. 1	1	1	1.	1		, ,	;		۰.
Proper shipping name	: Metal	powder, f	lammab	le, n.o.	S.	; • •			:	'	. '

SECTION 15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards Fire Hazard, Chronic Health Hazard Massachusetts Right To Know Components Platinum CAS-No. 7440-06-4 **Revision Date** 1993-04-24 Pennsylvania Right To Know Components Platinum CAS-No. 7440-06-4 **Revision Date** 1993-04-24 New Jersey Right To Know Components

Platinu	um .	

CAS-No. 7440-06-4

Revision Date

1993-04-24

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) The substance is not classified according to the Globally Harmonized System (GHS). Hazards not otherwise classified No data available **GHS** label elements N/A Hazard pictograms N/A Signal word N/A Hazard statements N/A WHMIS classification Not controlled Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Health (acute effects) = 1 Flammability = 0 Physical Hazard = 0

Other h	nazards												
	s of PBT												
PBT:	14		1		:		14. 1	:		14	:		
N/A vPvB:			'			¹	. '		¹			¹	
N/A	1 I		1	1 I 1	· · ·	1	1 I	1 - 1 1	1			1	
			÷.			1			÷.,			÷.,	
-	-	-	-		-	_	RMAT	-	-	_		_	
Substa													
CAS N	o. / Subs	stance N	lame:	1 I	1 - 1 1		н н н	1					
Platinu	m, 4% o	n silica	1.	14			· .		4		ť		,

SECTION 4. FIRST AID					*		; • •	
Description of first aid measures		1	1 - 1 1	1 - 1 1		1 I		1
If inhaled:			14. 14.	:	1		:	1
Supply patient with fresh air. If not br	eathing, p	rovide	artificial	respiratio	n. Kee	p patient	warm.	
Seek immediate medical advice.		¹		111			:**	'
In case of skin contact:								
Immediately wash with soap and wat								
Seek immediate medical advice.		1	1. 1.		1			1
In case of eye contact:								
Rinse opened eye for several minute	s under ru							'
If swallowed:	1 I	`;		1 - 1 1	1			1
Seek medical treatment.	1			,	1			
Information for doctor		· .		1	· ,	· .	1	· .
Most important symptoms and effect	s, both ac	ute and	l delayed	l				
No data available	,			ı		. '		

Indication of any immediate medical attention and special treatment needed

				1 1 1							
No data available)		r r r	1 I 1		1 1 1	· ·		1 - 1 1		5
								÷.,			÷.,
SECTION 5	5. FII	REFI	GHTIN	IG M	EAS	URES					
Extinguishing me		'		: * *				'			'
Suitable extinguis	shing a	agents					· · ·	1			1
Product is not fla	mmab	le. Use	fire-fightir	ng meas	sures tl	hat suit the	surro	unding	fire.		:
Special hazards	arising	from th	ne substar	nce or n	nixture		ı		i.		ı
If this product is i	nvolve	d in a f	ire, the fol	lowing	can be	released:					
Metal oxide fume			,								
Silicon oxide			н н н			· · ·					1
Advice for firefigh	nters			:			;	1	1.	e e	
Protective equipr	nent:										
Wear self-contair	ned res	spirator						'		: • •	'
Wear fully protec	tive im	perviou	us suit.	н н н	1				н н н	1 - 1 - 1	1
	:	1	1.	:	1			1	·		1
SECTION 6	6. AC	CCID	ENTA	L RE	LEA	SE ME	ASL	JRES	6		
Personal precaut	ions, p	protectiv	ve equipm	ent and	l emerç	gency proc	edures	5	, ' , '	1 - 1 - 1 1	'
Use personal pro	tective	equip	ment. Kee	p unpro	otected	persons a	way.	· .			· .
Ensure adequate	ventil	ation									
Environmental pr	ecauti	ons:		:	1		:				1
Do not allow mate	: • •									1 - 1 - 1 	'

Methods and materials for containment and cleanup:

Pick up mechanically.

Prevention of secondary hazards:

No special measures required.

Reference to other sections

See Section 7 for information on safe handling

								1	1.1	
See Section 8 for information										
on personal protection equipm	nent.									
			1		l'	1			: <u>.</u>	1.
SECTION 7. HAND	LING	AND	STO	RAGE		'	[.]		¹	. '
Handling	· · ·	1 - 1 1	1				1 - 1 1	1 - 1 1	1	
Precautions for safe handling Keep container tightly sealed.	1.	, , ,	1,	1.	:	1	'	:	1	۰.
Store in cool, dry place in tigh	tly closed	d contair	ners.							. '
Information about protection a	-	-								
The product is not flammable				1 - 1 1					1	
Conditions for safe storage, in	cluding a	any inco	mpatibi	lities	:	1	1. 1.	e la compañía de la c		۰.
Requirements to be met by sto	oreroom	s and ree	ceptacl	es:						
No special requirements.			'		111			: * *		
Information about storage in o	ne com	non stor	age fac	ility:						
No data available										
Further information about stor	age cono	ditions:	1			1	1. 1.	e e		۰.
Keep container tightly sealed.										
Store in cool, dry conditions in	well-sea	aled con	tainers		111			:**		. '
Specific end use(s)					1 1					
No data available										
	1.			14. 14.	1	1	1.	1		1.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters,

Components with limit values that require monitoring at the workplace:

Silica, amorphous-diatomaceous earth

			. '			. '			
mg/m3	н н н	· .	· · ·		· .			`: `:	
ACGIH TLV 10 (inhalable particula									
3 (respirable particulate)		· .	1.	1	· ,	' .	:		· ·
Germany TWA									
4 (inhalable fraction of the aerosol)			.'	,		. '			. '
Ireland TWA 1.5		1	1 - 1 1	· · ·	`: :	· · ·		`: 	
United Kingdom TWA 1.2 (respirab	ole dust)		·			÷.,			
USA PEL 20 mppcf									
Silica, amorphous mg/m3	: ···	²					111		
Ireland TWA 3 (respirable); 6 (total	inhalable)								
United Kingdom TWA 2.4 (respirab	ole); 6 (total	inhalab	le)		1	1.		:	
Silica, amorphous-fused									
mg/m3	111	'							
ACGIH TLV 0.1 (respirable particul	late)								
Finland TWA 5			1					1	
Germany TWA 0.3 (respirable fract	tion of the a	erosol)	14. 19	:		14	e l'		÷.,
Ireland TWA 0.1 (respirable)									
United Kingdom TWA 0.3 (respirab	ole dust)	'		111			111	¹	
Silica, amorphous-fume		1	1 - 1 1						
mg/m3									
ACGIH TLV 2 (respirable particulat	te)		14. 1	1	1.	1		1	
Germany TWA 0.3 (respirable fract		-							
Silica, amorphous-precipitated and	gel		.*	,		. '			
mg/m3	· · ·	1							
ACGIH TLV 10 (inhalable particula	-	1			1				· .
Germany TWA									
4 (inhalable fraction of the aerosol)		¹							
USA PEL 20 mppcf									
Silica, crystalline-quartz									

	'							. '			. '
mg/m3	1	1 - 1 1				1 - 1 1				1	
ACGIH TLV 0.1					1						
Austria MAK 0.15	· .			· .	<u>'</u> ,	:	· .	÷.	÷.	· .	· · ·
Belgium TWA 0.1											
Finland TWA 0.2		. '						. '	1.1		
France VME 10/(X+2)		н н н			1 - 1 1	1 - 1 1	1		1 - 1 1	1	
Germany MAK 0.15	:	· .			1.			· .			· .
Korea TLV 0.1		,	,	'	,					,	
Netherlands MAC-TG	G 0.075		; • •	'					111		
Norway TWA 0.3 (tota	-										
0.1 (resp. dust)											
Russia 14-STEL				1				1. 1.	:		÷.,
Sweden NGV 0.1 (res	p. dust)										
Switzerland MAK-W 0	.15			¹							
United Kingdom TWA	0.3 (res	pirable)									
USA PEL 10/(% resp.	SiO2+2)30/(% S	siO2+2)	(total s	ust)	1			1	1	
Silica, crystalline-tridy	mite ^l and	l cristoba	alite mg/i	m3		ť	1	14. 1	:		14
ACGIH TLV 0.05 (resp	oirable p	articulate	e)								
Belgium TWA 0.05	1. C		; • •				'		111		1
Denmark TWA 0.05	1			1							
Finland TWA 0.1											
France TWA 10											
Germany TWA 0.15 (r											
Ireland TWA 0.4 (resp	irable)			1.1		1		. '	1.1		. '
Netherlands TWA 0.0	75 (respi	irable)			1 - 1 1		1			1	
Sweden TWA 0.05				:	1			1.			· .
Switzerland TWA 0.15				1							
USA PEL 0.5 (value c	alculated	d for qua	rtz-respi	irable c	lust)		'				
Silica, crystalline-tripo											
mg/m3	1									1	

ACGIH TLV 0.1 (of contained respirable quartz)			1	н н н			
Belgium TWA 0.1			1				
Germany TWA 0.15 (respirable fraction of the aero	sol)	1	' .		:	1.	1.
Ireland TWA 0.4 (respirable)	·						
USA PEL See quartz				, '			
Platinum metal and soluble salts (as Pt)	· · ·			· · ·			• •
mg/m3	· .	. '		1.			
ACGIH TLV 1 (metal); 0.002 (soluble salts)			,	,			
Austria MAK 1 (metal); 0.002 (soluble salts)	·	; • •	'				
Belgium TWA 1 (metal); 0.002 (soluble salts)							
Denmark TWA 0.002 (soluble salts)							
Finland TWA 1 (metal); 0.002 (soluble salts)		:			e ^r		÷.,
France VME 1 (metal)							
Germany MAK 0.002 (soluble salts)-Ceiling	·	: • •			: * *		
Hungary TWA 0.001; 0.002-STEL (soluble salts)			· .				
Korea TLV 1 (metal); 0.002 (soluble salts)			ı				
Netherlands MAC-TTG 1 (metal); 0.002 (soluble sa	alts)	:	1		÷.	1	14.
Norway TWA 0.002							
United Kingdom TWA 5 (metal); 0.002 (soluble salt	ts)						
USA PEL 0.002							
Additional information:		1	1		:	1	1.
No data	, ,						
Exposure controls	.'						. 1
Personal protective equipment	1 - 1 1			н н н			
Follow typical protective and hygienic practices for	handling cher	nicals.	1	1.		:	÷.,
Keep away from foodstuffs, beverages and feed.							
Remove all soiled and contaminated clothing imme	ediately.						
Wash hands before breaks and at the end of work.							
Maintain an ergonomically appropriate working env	vironment.			· · ·			

		1								
Breathing equipment:		н н н			 	1 I	· .		· · ·	· .
Protection of hands:			:	1		:			: ¹	1.
Impervious gloves										
Inspect gloves prior to u	se.			'			'			'
The selection of suitable	gloves	not only			1 1	· ·		н н н		
depends on the material	, but al	so on qua	lity. Qu					1		-
Penetration time of glove	e mater	ial (in min	utes)	' ,	1.	-	· .	1.		· .
No data available	'		; ' '							
Eye protection:Safety gl	asses									
Impervious gloves Inspect gloves prior to use. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Penetration time of glove material (in minutes)		1								
Protective work clothing	- : <u>.</u>	·		1			1			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on	basic ph	nysical	and chen	nical pro	perties			1			1	
Appearance:	e ^r	1		: 1		14. 1				÷	1	· · .
Form:												
Powder	111	'		111	¹			¹		111	¹	. '
Color:		1		· · ·	1	· · ·		1		· · ·	1	
Grey Odor:	t.	1,	14. 14	:		1. 1.	÷	1	14. 14.	:		÷.,
No data availat Odor threshold	: * *	'	2	;						;	*	
No data availat	ole.		· · ·									
pH: N/A	, ¹	÷.		÷	;	^т е,	:	;	÷.,	:	;,	÷.,
Melting point/M		inge:		: · ·	¹		: • •					
No data availal Boiling point/Bo		nge:			`: `:			`: `:			1	

					1			1	1		
No data available	· .			·			· .			· .	
Sublimation temperature	/ start										
No data available										1.	
Flammability (solid, gas)				'			'				
No data available.					. '	,		. *			. '
Ignition temperature:		· · ·					`: :	н н н			
No data available				1			1				·
Decomposition temperat											
No data available									: • •		
Autoignition:											
No data available.											
Danger of explosion:	1		t.	1	1.	1	1	14			÷.,
Product does not presen											
an explosion hazard.			; • •						111		. 1
Explosion limits:											
Lower:											
No data available	1		:						1		· · .
Upper:				1			1				
No data available						,	'	. '			. '
Vapor pressure:	`: :	· · ·									
N/A Density:					1. 1.			1.			÷.,
No data available											
	'					: • •	'		: • •		
No data available.				1			<u>.</u>				
Vapor density	:										
			e ^r	1.		:	1.		:	÷.,	÷.,
Evaporation rate	'			'			'			'	
N/A											. '
Solubility in / Miscibility w	vith	н н н				н н н	1				
	1				·	1	1	1			

			1									
Water:								1			1	
InsolublePartiti	ion coef	ficient (n-octanc	ol/water):								
No data availa	ble.	1		:	1,		1	1		:	1	÷.,
Viscosity: Dynamic:	;••	*			'			¹		11	'	
N/A		1	1 - 1 1	· · ·	1	н н н		1			1	
Kinematic: N/A	:	÷.	14. 14.	e ^r	÷.	1. 	e ^r	4,	14. 14.	e ^r	4,	
Other informat		¹		111	'		; · ·	*	2		'	
		1						· .			· .	

SECTION 10. STABILITY AND REACTIVITY

Reactivity				1		; • •			111	¹	
No data available	· .			· .			· .			· .	
Chemical stability		1			1	,		1			
Stable under recomme	ended st	orage con	ditions.	1,		:			:		۰.
Thermal decompositio	n / cond	itions to b	e avoid	ed:							
Decomposition will no	t occur if	used and				1.1.1	¹		111		. *
stored according to sp	ecificatio	ons.	1 1						н н н		
Possibility of hazardou	is reaction	ons									
No dangerous reaction	ns knowi	า่่		1		1			1	1	÷.,
Conditions to avoid											
No data available	¹			'							. *
Incompatible materials	S: '	н н н	1 - 1 1		н н н	1 I		· · ·			
No data available Hazardous decompos	ition pro		:	1	14. 1	:	÷.,	14. 14.	e ⁿ	÷.,	÷.,
Metal oxide fume Silicon oxide	'		; • •	'		;					
										•	• •

			'			'			'	
SECTION 11. TOX		OGICA		IFORI	MATIO	ON		1 - 1 - 1	1	
Information on toxicological e	effects	e ^r	1		:			af i		
Acute toxicity:										
No effects known.								111		
LD/LC50 values that are rele	vant for c	lassificat	ion:							
No data			1		,	1			1	
Skin irritation or corrosion:						1	1	t.	1	•
May cause irritation										
Eye irritation or corrosion:		1 1 1 1				· · · [*]		1.1.1	· · · [*]	
May cause irritation										
Sensitization:										
Platinum salts, especially ion	nic platinu	m haloge	eno con	nplexes,	may cau	ise sev	ere allerç	gic reacti	ons.	
Germ cell mutagenicity:										
No effects known.			'			'			'	. '
Carcinogenicity:	1 - 1 1	1 I 1		н н н	· · ·		1 - 1 1			
IARC-3: Not classifiable as	· .			· .	:		· .			
to carcinogenicity to humans		i.			i			i		
Reproductive toxicity:										
No effects known.										
Specific target organ system	toxicity -	repeated	l expos	ure:	· · ·		н н н		1	
No effects known Specific ta	rget orgar	n system	toxicity	/ - single	exposur	e:	1.			
No effects known.										
Aspiration hazard:		1 1 1 1	1		111					
No effects known.										
Subacute to chronic toxicity:										
Exposure to platinum contair	ning dusts	or fume	s may o	cause irri	itation, s	ensitiza	ition read	tions an	d	۰.
asthma. Effects include snee	zing, cou	ghing, tig	htness	in the cl	hest, dys	pnea a	nd whee	zing.		
Cyanosis	-				-	-		-		
is possible. Chronic exposure			monon	fibroaia						

is possible. Chronic exposure may result in pulmonary fibrosis.

Subacute to chronic toxicity:

No effects known.

Subacute to chronic toxicity:

Prolonged inhalation of silica may cause silicosis, the formation of adhesions in the lungs progressing

to the formation of a continuous mass of fibrous tissue. If the

disease continues, death may occur. Tuberculosis is often found in people with silicosis. Some forms of silica are more fibrogenic than others. Some forms of crystalline silica have shown carcinogenic,

tumorigenic and neoplastic effects in laboratory animals. Amorphous silica is less

harmful by inhalation than crystallineforms. Amorphous silica may, however, contain small amounts of

crystalline silica.

Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

							· · ·			
SECTION 12. EC			_		_					
Toxicity										
Aquatic toxicity: No data available		1 1 1 1	'		1 1 1 1	'				
Persistence and degradab	ility					1			1	
No data available		:		1. 1.		1				,
Bioaccumulative potential										
No data available			'			¹				
Mobility in soil No data available	н н н	1 - 1 1		1 - 1 1	, , ,		· ·		1	
Additional ecological inform	nation:			1. 1.		1	1. 1.	:		
Do not allow material to be	released to	the								
environment without officia	l permits.		¹		1 1 1 1	'	$\mathcal{A}^{(1)}$		¹	
Avoid transfer into the envi	ronment.		`:	1 I	1 - 1 1		1 I			

								1			
Results of PBT and vPv	/B ass	essment									
PBT:											
N/A				1		1	1	1	t,		÷.
vPvB:											
N/A				'						¹	. '
Other adverse effects	`: `:	· · ·	· · ·		· · ·		1	1 - 1 1		1	
No data available	÷.	14. 14.	÷		14. 14.	ť		14		÷.	۰.
SECTION 13. D	DISP	OSAL	CON	ISID	ERAT	IONS			10		.'
Waste treatment metho								1 - 1 1			
Recommendation		·		1	·						۰.
Consult official regulation											
Uncleaned packagings:				'		111	'				
Recommendation:Dispo	osal m	ust be ma	de acco	ording t	o official	regulatio	· · · ·			· :	
SECTION 14. T									e ^r		۰.
Not a hazardous materi							*			*	
DOT, IMDG, IATA		1 I									
, ,	÷.,			1		, ¹	1		l'	1	۰.
UN proper shipping nar											
DOT, IMDG, IATA			i i	1 1	. '	1	1.1	. 1	1	1.1	. '
None	1					1 - 1 1					
Transport hazard class((es)	· .	. '	1	۰.	. '	1	· .			· .
DOT, ADR, IMDG, IATA	Ą	ı		ï	,						
Class	'		1.1.1	¹						¹	. '
None Packing group	1	1 - 1 1		1	· · ·	· · ·				1	

			. '	ł						1		
DOT, IMDG, IA	TA	· .			· :						· .	
None												
Environmental	hazards:			t.	1	14	t.	1	14	÷.	1	11.
N/A												
Special precaut	ions for	user			'		111	· · '		111	¹	
N/A		1	· · ·			· · ·		1				
Transport in bu	lk accord	ding to	Annex I	l of MAR	POL73	8/78 and	the IBC (Code		,		
N/A	:	· ,	Ч. Т.			' .		· .	· .		1	· · ·
Transport/Addit	ional inf	ormati	on:				; • •			; • •		
Not dangerous	accorui	ig io										
the above spec	ifications	S.			1			1			1	
DOT	e ^r	1	1.	i.	1	14. 14.	e ^r			e e		÷.,
Marine Pollutar	t (DOT)	:										
No		'						'			*	

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture											
GHS label elements	'		111	¹		111	1.1		111		
N/A Hazard pictograms		· · ·		1	• •		1		н н н		
N/A	1	1.			Ч.,				l.	1	
Signal word N/A	¹	[.]		'	, ' , '		'	, ' , '			
Hazard statements	1	1 - 1 - 1	· · ·		н н н	1 - 1 1		1 - 1 1			
N/A National regulations	i,	<u>с</u> .	:'	÷.	· .	:	Ξ.		i'	:	

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

All components of this product are listed on the Canadian Domestic Substances List (DSL).

									. '
SARA Section 313 (specific toxic chemic	cal listin	igs)				· · ·		· .	
Substance is not listed.									
California Proposition 65								1	
Prop 65 - Chemicals known to cause ca	ncer								
Substance is not listed.Prop 65 - Develo	pmenta	al toxici	ty			.'			. '
Substance is not listed.			· · ·	1 - 1 1		н н н		1	
Prop 65 - Developmental toxicity, female	Ð		1.			1.	. *	:	۰.
Substance is not listed.	ł	,	I	,	,	,	,		
Prop 65 - Developmental toxicity, male	; • •	'		: • •			; • •		
Substance is not listed.									
Information about limitation of use:									
For use only by technically qualified indi	viduals.	•	1.	:			:		۰.
Other regulations, limitations and prohib	itive reg	gulatior	IS						
Substance of Very High Concern (SVHC	C) accor	rding to	the REAC	CH Reg	ulation	s (EC) No	.1907/2	006.	. *
Substance is not listed.									
The conditions of restrictions according	to Articl	le 67 ar	nd Annex 2	XVII of	the Re	gulation (E	EC) No	1	
1907/2006 (REACH) for the manufactur	ing, pla	cing on	the marke	et and ι	ise mu	st be obse	erved.	1	÷.,
Substance is not listed.									
Annex XIV of the REACH Regulations (r	requiring	g Autho	orisation fo	or use)	'		: • •	1. ¹	. *
Substance is not listed.			1 I				•		
Chemical safety assessment:									
A Chemical Safety Assessment has not	been c	arried c	out.			14. 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.