

SAFETY DATA SHEET

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Precautionary statement(s)		· · .		'	· · .		'	· · .	· .
P210									
Keep away from heat/sparks/open flame	es/hot s	urfaces	No smo	oking.					
P240									
Ground/bond container and receiving ec	quipmen	nt.							
P241Use explosion-proof electrical/ ven	tilating/	lighting	l/ equipme	ent.	· · .			· · .	
P280 Wear protective gloves/ protective clothi									
P370 + P378 In case of fire: Use dry sand, dry chemic							: • •	:	
Hazards not otherwise classified (HNOC	C) or not	covere	ed by GHS	S-none	· · .	1		· · .	1

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances Formula: Si	· · .	1	'	···,		· · .	5		··
Molecular Weight: 28.09	g/mol			1				.1	
CAS-No.: 7440-21-3									
EC-No.: 231-130-8		н н н		1	; • •	-	н н Н	;**	

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.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plent	y of wate	r. Consul	t a phy	ysician.		· · .			
In case of eye contact									
Rinse thoroughly with plenty	of water f	or at leas	st 15 m	ninutes a	nd consu	lt a phy	ysician.		
If swallowed									
Do NOT induce vomiting. Net									
water. Consult a physician.			· · .	1	¹	· · .	1		
Most important symptoms an The most important known sy								ection 2)	:
and/or in section 11.		; • •	1	н н н			н н н		:
Indication of any immediate n	nedical at	tention a	nd spe	ecial trea	tmentine	eded			· · .
no data available		.:			, 1			.:	

SECTION 5. FIREFIGHTING MEASURES						
Extinguishing media	1.1		1		· · .	
Suitable extinguishing media				ji.		
Use water spray, alcohol-resistant foam, dry chemical or carbon						
Special hazards arising from the substance or mixture			н н Н			
silicon oxides Advice for firefighters	*	•••	`:	'	·•.	
Wear self contained breathing apparatus for fire fighting if neces	ssary.					
Further information						
Use water spray to cool unopened containers.		1		:		
			· .			

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust. 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)

Reference to other sections

For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin andeyes. 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.

Over time, pressure may increase causing containers to burst Moisture sensitive. Store under nitrogen. Keep in a dry place.

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 protecti on 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 Protectionimpervious clothing, 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 physical and chemical properties Appearance Form: powder Odor odourless Odor Threshold no data available pН no data available Melting point/freezing point Melting point/range: 1,410 °C (2,570 °F) - lit. Initial boiling point and boiling range 2,355 °C (4,271 °F) - lit. Flash point no data available **Evaporation rate** no data available Flammability (solid, gas) The substance or mixture is a flammable solid with the category 2. Upper/lower flammability or explosive limits no data available Vapor pressure no data available Vapor density no data available Relative density 2.33 g/mL at 25 °C (77 °F) Water solubility

		1		I		1				1	1	1
insoluble		· · .	1	'	· · .			· · .	1			
Partition coeffic												
no data availab	le							1				
Auto-ignition te	mperatu	ire										
>400 °C (> 752	°F)							1				
Decomposition	tempera	ature	1	'	· · .	1		11 A.	1	1. ¹ .	11	1
no data availab Viscosity	le	:		.1	1		.1					
no data availab Explosive prop		:	1 - 1 1	111	1	1 I		1 1 1		111		
no data availab	leOxidiz	zing pro	perties	¹	· · .	1	¹	· · .		1. ¹ .	· · .	1
no data availab	le				1			1		,i		, e'

SECTION 10. ST	FABILIT	Y AND	RE		/ITY		1 I		-	
Reactivity	··. ':	'	• •			· · .		¹	11	
no data available			:		j.					
Chemical stability										
Stable under recommend	led storage o	conditions.	1	1 - 1 1	1.1.1			:**		
Possibility of hazardous r	reactions						1.			
no data available	· ·					,				
Conditions to avoid					1					
Heat, flames and sparks.	Extremes of	f temperati	ure ar	nd direct s	sunlight.					
Incompatible materials	1	1 1 1 1	-							
Strong oxidizing agents,	Alkali carbon	ates, Calc	ium, c	cobalt difl	uoride, r	nangar	nese triflu	loride	· · .	
Hazardous decompositio	n products									
Other decomposition pro	ducts - no da	ita availab	le	. '		:	. '			
In the event of fire: see s	ection 5			: *	111			111		

		1 1 1		1			1			
SECTION 11. TOXIC	COLO	GICA		FORM	ΙΑΤΙΟ	DN			· · .	
Information on toxicological eff	fects	.:						.:		
Acute toxicity										
LD50 Oral - rat - 3,160 mg/kg	н н н			н н н	: * *		1 - 1 1	111		
Inhalation: no data available				· .						
Dermal: no data available				i.						
no data available						-		.1		
Skin corrosion/irritation										
no data available				н н н	; • •		1 - 1 1	; • •		
Serious eye damage/eye irritat	tion		· · .			· · .	1		· · .	· :
Eyes - rabbit										
Result: Mild eye irritation - 24 I	h							. :		. '
(Draize Test)			1							
Respiratory or skin sensitisatio	on	1				;	1	ı	:	
no data available			· · ·			· · .		11	11	1
Germ cell mutagenicity		1								
no data available		,	1		,		1			
Carcinogenicity					; • •			; • •		
IARC:										
No component of this product	present at	levels	greate	than or e	equal to	0.1% i	s identific	ed as	11	1
probable,		_ : _								
possible or confirmed human of										
ACGIH:					: **		1 - 1 1	111		
No component of this product	present at	levels	greate	r than or e	equal to	0.1% i	s identifie	ed as a		
carcinogen or potential carcino	ogen by A	CGIH.	· · ·			· · · .				
NTP:		. :								
No component of this product	present at	levels	greate	r than or e	equal to	0.1% i	s identifie	ed as a k	nown	
or anticipated carcinogen by N	ITP.			н н н	111		1 - 1 1	111		
OSHA:			· · .			··.,	5		•••	÷.

No component of this pr	roduct p	present at	levels g	reater	han or eq	ual to 0	.1% is	identified	as a	•••			
carcinogen or potential	carcino												
Reproductive toxicityno data available													
no data available Specific target organ toxicity - single exposure													
no data available			1.1	· · .	`: 	'	· · .			с.,			
Specific target organ to no data available	xicity - r	epeated e	exposure	9		.1			.÷				
Aspiration hazard no data available	:		:			111	:		111	:			
Additional Information	11		¹	· · ·		'	· · .		¹	· · .			
RTECS: VW0400000	1		. :						.:				
To the best of our know	ledge, t	he chemic	cal, phys	sical, a	nd toxicolo	ogical p	ropertie	es have no	ot been				
thoroughly investigated	-		;			; · ·			: · ·	:			

SEC	CTION	12.	ECOL	_OG	ICAL	INFO	RMA	TION

Toxicity								
no data available		н н н	 1	н н н			:**	
Persistence and degrada	bility:	· .	 · · .	· .	 	· .		··.
no data available								
Bioaccumulative potentia	d:							
no data available								
Mobility in soil:	1		 1					
no data available	· · .	· :	 · · ·	· :	 · · .	`:		· · .
Results of PBT and vPvE								
PBT/vPvB assessment n								
Other adverse effects								
no data available	I		I		i.	,		

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.

		1		1			1					
SECTION 1			SPOF			MATI	ON	· · .	`:	'	· · .	1
DOT (US)	.:			.1	1		.1			.:		
UN number: 1346 Class: 4.1					1		;••	1			1	8
Packing group: III		· · .			· · .			· · .			· · .	
Proper shipping n	ame: Sil	licon	powder, a	amorph	ous					.:		
Reportable Quant	ity (RQ)	:										
Marine pollutant: I	No					1 - 1 1			н н н			
Poison Inhalation												
IMDG		· · .	1		· · .		· · · '	· · · .	1		· · .	
UN number: 1346	Class: 4	l;1		.:								
Packing group: III												
EMS-No: F-A, S-C	3		н н н	1 1 1 1		н н н	111		н н н	111		
Proper shipping n	ame: SI	LICO	NPOWD	ER, AN	IORPH	IOUS						
Marine pollutant: I	No		i			ì			i			
ΙΑΤΑ	.:			.1								. '
UN number: 1346												
Class: 4.1	; • •			1 1 1		н н н	;**		н н н	111		
Packing group: III		· · .	` :	'	· · .	`:	'	· · .		*	· · .	

SECTION 15. REGULATORY INFORMATION SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: 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 Massachusetts/Pennsylvania/New Jersey Right To Know Components Silicon CAS-No. 7440-21-3 **Revision Date** 2007-03-01 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 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.