

# SAFETY DATA SHEET

Creation Date 20-Apr-2010

Revision Date 26-Mar-2024

**Revision Number** 4

1. Identification

# **Product Name**

# Silicon carbide

409-21-2

Silicon Carbide.

### Cat No. :

CAS No Synonyms

Recommended Use Uses advised against Laboratory chemicals. Food, drug, pesticide or biocidal product use.

## Details of the supplier of the safety data sheet

#### Company

Stanford Advanced Materials Address : 23661 Birtcher Dr., Lake Forest, CA 92630 U.S.A. Tel: (949) 407-8904 Fax: (949) 812-6690

# **Emergency Telephone Number**

Stanford Advanced Materials Email: sales@samaterials.com www.samaterials.com

# 2. Hazard(s) identification

# **Classification**

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements
None required

Hazards not otherwise classified (HNOC) None identified

3. Composition/Information on Ingredients

Silicon carbide powder

Revision Date 26-Mar-2024

4. First-aid measures         ye Contact         Rinse immedialely with plenty of water, also under the eyelids, for at least 15 minutes. Gemedical attention.         kin Contact       Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.         statistical       Remove to fresh air. Get medical attention immediately if symptoms occur.         statistical       Remove to fresh air. Get medical attention immediately if symptoms occur.         statistical       Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.         None reasonably foreseeable.         Treat symptomatically         Description         Treat symptomatically         Sector Physician         No ne reasonably foreseeable.         Treat symptomatically         Description         No information available         No information available         No data available         No data available         No data available         Sensitivity to Static Discharge         No information available         Sensitivity to Static Discharge         No information available<	Component Silicon carbide	· ·	<b>CAS No</b> 409-21-2			eight % =100	1
Sye Contact       Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Gemedical attention.         Skin Contact       Wash off immediately with plenty of water for at least 15 minutes. Gemedical attention immediately if symptoms occur.         Insection       Remove to fresh air. Get medical attention immediately if symptoms occur.         Ingestion       Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.         Nost important symptoms and flotes to Physician       None reasonably foreseeable.         Iffects       Treat symptomatically         Soles to Physician       Treat symptomatically         Statistable Extinguishing Media       No information available         Flash Point       Not applicable         Motion       No information available         Support       No data available         Upper       No data available         Support       No data available         Symptoms for Tirefighters       No information available         Sensitivity to Mechanical Impact No information available       Sensitivity to Static Discharge         No information available       Sensetivity to Static Discharge       No information available         Sensetivity to Static Discharge       No information available       Sensetivity to Static Discharge       No information available         Storedous C	Silicon carbide		409-21-2			=100	
Skin Contact       Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.         Inhalation       Remove to fresh air. Get medical attention immediately if symptoms occur.         Ingestion       Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.         Most important symptoms and iffects       None reasonably foreseeable.         Insuitable Extinguishing Media       No information available         Notes to Physician       Treat symptomatically         Jusuitable Extinguishing Media         No information available       No information available         Autoignition Temperature Explosion Limits       No information available         Vapper       No data available         Sepcific Hazards Arising from the Chemical (seep product and empty container away from heat and sources of ignition.         Health       Flamability         No are self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full rotective gear.         VEPA       Health       Flamability         Personal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation. Should not be released into the environment.         Methods for Containment and Clean Sweep up and shovel into suilable containers for disposal. Avoid dust formation.		4. First-aid	measures	· ·			
immediately if symptoms occur.  Anhalation Remove to fresh air. Get medical attention immediately if symptoms occur.  Clean muth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.  Most important symptoms and frects Votes to Physician Treat symptomatically  S. Fire-fighting measures  Jnsuitable Extinguishing Media No information available Flash Point Not applicable Not applicable Vote to dra available Sensitivity to Mechanical Impact No information available Sensitivity to Static Discharge No information available Sensitivity to Mechanical Impact No information available Sensitivity to Static Discharge No information Sensere-demand, MSHA/NIOSH (approved or equivalent) and full Not per se	Eye Contact		nty of water, also u	under the eye	lids, for at le	east 15 minut	es. Ge
Ingestion       Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.         Most important symptoms and iffects works in the symptom soccur.       None reasonably foreseeable.         Treat symptomatically       Treat symptomatically         Jusuitable Extinguishing Media       No information available         Flash Point       Not applicable         Method -       No information available         Vupper       No data available         Vupper       No data available         Sensitivity to Mechanical Impact No information available       Sensitivity to Mechanical Impact No information available         Seperific Hazards Arising from the Chemical Geep product and empty container away from heat and sources of ignition.       Hazardous Combustion Products         Specific Hazards Arising from the Chemical Geep product and empty container away from heat and sources of ignition.       Hazardous Combustion Products         Silicon dioxide.       Tianmability       Instability       Physical hazards         YEPA       Health       Flammability       Instability       Physical hazards         1       0       0       NiA       NiA         2       0       NA       NiA       NiA         4       1       0       0       NiA       NiA         Sin any fire, wear sel	Skin Contact			at least 15 m	inutes. Get	medical atter	ntion
symptoms occur.         Most important symptoms and iffects Votes to Physician       None reasonably foreseeable. Treat symptomatically         5. Fire-fighting measures         Jnsuitable Extinguishing Media       No information available         Flash Point       Not applicable         Method -       No information available         Subject Constrained Products       No information available         Subject Constrained Product Subject Constrained Product Subject Constrained Product Subject Constrained Product Subject Constrained Products         Silicon dioxide.       No information available         Sensitivity to Static Discharge       No information available         Sensitivity to Mechanical Impact No information available       Sensitivity to Static Discharge         Sensitivity to Static Discharge       No information available         Specific Hazards Arising from the Chemical       Sense of ignition.         Heatth       Flammability       Instability         Protective Equipment and Precautions for Firefighters       Ni any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full orotetective gear.         MPPA	nhalation	Remove to fresh air. Get me	edical attention in	mediately if s	symptoms or	ccur.	
Treat symptomatically         Specific target symptomatically         Specific target symptomatically         Specific target symptomatically         Specific target symptomatical symptomatexitical symptomatical symptomatical symptomatical symptomatical s	ngestion		d drink afterwards	plenty of wat	er. Get med	ical attention	if
5. Fire-fighting measures         Jnsuitable Extinguishing Media       No information available         Flash Point       Not applicable         Method -       No information available         Autoignition Temperature       No information available         Explosion Limits       No data available         Upper       No data available         Sensitivity to Mechanical Impact No information available       Sensitivity to Static Discharge         Seperific Hazards Arising from the Chemical       Keep product and empty container away from heat and sources of ignition.         Hazardous Combustion Products       No apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full ordective gear.         MEPA       Health       Flammability       Instability       Physical hazards         MEPA       C. Accidental release measures       N/A       N/A         Personal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.         Environmental Precautions       Should not be released into the environment.       Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation.		None reasonably foreseeab	le.			: * *	÷.,
Jnsuitable Extinguishing Media       No information available         Flash Point       Not applicable         Method -       No information available         Autoignition Temperature       No information available         Explosion Limits       No data available         Upper       No data available         Sensitivity to Mechanical Impact No information available         Sensitivity to Static Discharge       No information available         Specific Hazards Arising from the Chemical         Keep product and empty container away from heat and sources of ignition.         Hazardous Combustion Products         Bilcon dioxide.         Protective Equipment and Precautions for Firefighters         As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full ordetive gear.         NEPA       Health       Flammability       Instability       Physical hazards         1       0       0       N/A         6. Acccidental release measures       N/A         Cersonal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.         Environmental Precautions       Should not be released into the environment.         Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation. </td <td>lotes to Physician</td> <td>Treat symptomatically</td> <td></td> <td></td> <td></td> <td></td> <td></td>	lotes to Physician	Treat symptomatically					
Flash Point Method -       Not applicable No information available         Autoignition Temperature Explosion Limits       No information available         Upper       No data available         Sensitivity to Mechanical Impact No information available Sensitivity to Static Discharge No information available       No information available         Sensitivity to Static Discharge No information available       No information available         Specific Hazards Arising from the Chemical Keep product and empty container away from heat and sources of ignition.         Hazardous Combustion Products         Silicon dioxide.         Protective Equipment and Precautions for Firefighters sin any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.         VEPA       Health       Flammability       Instability       Physical hazards         1       0       0       N/A         6       ACCidental release measures       N/A         Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.       Should not be released into the environment.         Protectives for Containment and Clean       Should not be released into suitable containers for disposal. Avoid dust formation.		5. Fire-fightin	g measure	S			
Method -       No information available         Autoignition Temperature       No information available         Explosion Limits       No data available         Upper       No data available         Sensitivity to Mechanical Impact       No information available         Sensitivity to Static Discharge       No information available         Sensitivity to Static Discharge       No information available         Specific Hazards Arising from the Chemical       No information available         Specific Hazards Arising from the Chemical       No container away from heat and sources of ignition.         Hazardous Combustion Products       No information apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.         VEPA       Health       Flammability       Instability       Physical hazards         VEPA       Health       Flammability       0       N/A         Concidental release measures       N/A         Personal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.         Environmental Precautions       Should not be released into the environment.       Avoid dust formation.         Jp       Up       Up       Up       Up	Insuitable Extinguishing Media	No information available		· .		1	1
Explosion Limits       Upper       No data available         Upper       No data available         Sensitivity to Mechanical Impact No information available       Sensitivity to Static Discharge         Sensitivity to Static Discharge       No information available         Specific Hazards Arising from the Chemical       Seep product and empty container away from heat and sources of ignition.         Hazardous Combustion Products       Silicon dioxide.         Protective Equipment and Precautions for Firefighters         As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.         VFPA       Health       Flammability       Instability       Physical hazards         1       0       0       N/A         Personal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.         Environmental Precautions       Should not be released into the environment.         Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation.							
Upper       No data available         Lower       No data available         Sensitivity to Mechanical Impact No information available       Sensitivity to Static Discharge         Sensitivity to Static Discharge       No information available         Specific Hazards Arising from the Chemical       No and a sources of ignition.         Keep product and empty container away from heat and sources of ignition.       Hazardous Combustion Products         Silicon dioxide.       Protective Equipment and Precautions for Firefighters         As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.         VFPA       Health       Flammability       Instability       Physical hazards         1       0       0       N/A         Personal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.         Environmental Precautions       Should not be released into the environment.         Wethods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation.		No information available				111	÷.,
Keep product and empty container away from heat and sources of ignition.         Hazardous Combustion Products         Silicon dioxide.         Protective Equipment and Precautions for Firefighters         As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.         NFPA       Health       Flammability       Instability       Physical hazards         1       0       0       N/A         Personal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.         Environmental Precautions       Should not be released into the environment.         Wethods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation.	Upper Lower Sensitivity to Mechanical Impa	No data available ct No information available	1. J				14. 14.
Silicon dioxide.         Protective Equipment and Precautions for Firefighters         As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.         NFPA       Health       Flammability       Instability       Physical hazards         NFPA       1       6. Accidental release measures         Personal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.         Environmental Precautions       Should not be released into the environment.         Methods for Containment and Clean       Sweep up and shovel into suitable containers for disposal. Avoid dust formation.			ignition.			1	
Health     Flammability     Instability     Physical hazards       1     0     0     N/A         Personal Precautions     Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.       Environmental Precautions     Should not be released into the environment.       Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation.	Silicon dioxide. Protective Equipment and Precaut As in any fire, wear self-contained bro		emand, MSHA/NI	OSH (approve	ed or equiva	lent) and full	· .
Personal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.         Environmental Precautions       Should not be released into the environment.         Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation.         Jp	Health	-		lity	Phy		ls
Personal Precautions       Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.         Environmental Precautions       Should not be released into the environment.         Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation.         Jp		6 Accidental rel	ease meas	ures			
Environmental Precautions Should not be released into the environment. Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Jp	Personal Precautions	Ensure adequate ventilation			pment as re	quired. Avoid	dust
Jp	Invironmental Precautions		the environment.				· .
7. Handling and storage		<b>n</b> Sweep up and shovel into s	uitable containers	s for disposal.	Avoid dust	formation.	
		7. Handling a	and storage	<b>e</b>			

#### Silicon carbide powder

#### Revision Date 26-Mar-2024

#### Handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid ingestion and inhalation. Avoid contact with skin, eyes or clothing. Avoid dust formation.

Storage.

Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents.

### 8. Exposure controls / personal protection

### Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH	Mexico OEL (TWA)
Silicon carbide	TWA: 10 mg/m <sup>3</sup>	(Vacated) TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
	TWA: 3 mg/m <sup>3</sup>	(Vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 0.1 fiber/cm3
· · · · · · · · · · · · · · · · · · ·	TWA: 0.1 fiber/cm3	TWA: 15 mg/m <sup>3</sup>	1. A.	TWA: 3 mg/m <sup>3</sup>
1		TWA: 5 mg/m <sup>3</sup>		

#### Legend

ACGIH - American Conference of Governmental Industrial Hygienists OSHA - Occupational Safety and Health Administration NIOSH: NIOSH - National Institute for Occupational Safety and Health

Engineering Measures	None under normal use conditions.
Personal Protective Equipment	
Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions.
Recommended Filter type:	Particle filter.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

	-								
Physical State				Solid					
Appearance				Black					
Odor		1.1.1	1.1	Odorless		1.1	111	1.	
Odor Threshold				No information available					
рН				Not applicable					
Melting Point/Range				2700 °C / 4892 °F					
Boiling Point/Range			1.1	Not applicable	1.			1.	
Flash Point				Not applicable					
Evaporation Rate				Not applicable					
Flammability (solid,gas)				No information available					
Flammability or explosive limits		1.1					1.00		
Upper				No data available					
Lower				No data available					
/apor Pressure				No information available					
/apor Density									
Specific Gravity	1.1	111	1.1	Not applicable 3.2	1.		111	1.	
Solubility				Insoluble in water					
Partition coefficient; n-octanol/w	otor			No data available					
,									
Autoignition Temperature			14.	No information available	14,000			1.	
Decomposition Temperature				No information available					
Viscosity				Not applicable					

	Molecular Formula Molecular Weight			SiC 40.0855	1	:	5 11.	1
			10. Stab	ility and rea	activity			
۰.	Reactive Hazard	19 C.	None known, base	ed on information a	available	ha an	:**	1. 1.
	Stability		Stable under norm	nal conditions.				
÷.,	Conditions to Avoid		Incompatible prod	ucts. Excess heat.	Avoid dust form	ation.		14
	Incompatible Materials	i	Strong oxidizing a	gents				
	Hazardous Decomposi	tion Products	Silicon dioxide				1	
	Hazardous Polymerizat	tion	Hazardous polyme	erization does not	occur.			
۰.	Hazardous Reactions		None under norma	al processing.		·		1. 1.
			11. Toxico	ological inf	ormation			
۰.	Acute Toxicity	19.00			.:	N	1	142
	Product Information Component Information		Product does not p	present an acute t	oxicity hazard ba	sed on know	n information	
	Toxicologically Synerg Products Delayed and immediate	jistic	No information ava		· · ·		· · ·	
	Irritation Sensitization Carcinogenicity		May cause skin, e No information ava The table below in Some agencies lis	ailable ndicates whether e	ach agency has			
· · .	Sensitization Carcinogenicity		No information ava The table below in Some agencies lis experimental anim	ailable Idicates whether e It SiC microfibers/v nal data that sugge	ach agency has whiskers as pote ests a carcinogen	ntial carcinog ic effect.	ens, based or	n limited
••••	Sensitization Carcinogenicity Component Silicon carbide	CAS No 409-21-2	No information ava The table below in Some agencies lis experimental anim IARC Group 2A	ailable ndicates whether e st SiC microfibers/v nal data that sugge <u>NTP</u> Not listed	ach agency has whiskers as poter ests a carcinogen ACGIH A2	ntial carcinog ic effect.	ens, based or	
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	Sensitization Carcinogenicity Component Silicon carbide IARC (International Ag	CAS No 409-21-2 gency for Resea ty Program)	No information ava The table below in Some agencies lis experimental anim IARC Group 2A arch on Cancer)	ailable dicates whether e st SiC microfibers/v hal data that sugge NTP Not listed IARC (Intel Group 2A - Group 2B - NTP: (Natii Known - Ki Reasonabl Carcinoger A1 - Knowi A2 - Suspe A3 - Anima	ach agency has whiskers as poter ests a carcinogen ACGIH A2 mational Agency for Carcinogenic to Hur Probably Carcinog poal Toxicity Progra nown Carcinogen y Anticipated - Rea n h Human Carcinogen cted Human Carcinogen	ntial carcinog ic effect. OSH X r Research on mans renic to Human enic to Human am) sonably Antici ogen	A I Cancer)	Mexico A2
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	Sensitization Carcinogenicity Component Silicon carbide IARC (International Ag NTP: (National Toxicit ACGIH: (American Co Hygienists)	CAS No 409-21-2 gency for Resea ty Program) onference of Go	No information ava The table below in Some agencies lis experimental anim IARC Group 2A arch on Cancer)	ailable ndicates whether e st SiC microfibers/v nal data that sugge NTP Not listed IARC (Intel Group 2A - Group 2B - NTP: (Natii Known - Ki Reasonabl Carcinoger A1 - Knowi A2 - Suspe A3 - Anima ACGIH: (A ailable	ach agency has whiskers as poter ests a carcinogen ACGIH A2 mational Agency for Carcinogenic to Hur Probably Carcinog poal Toxicity Progra nown Carcinogen y Anticipated - Rea n h Human Carcinogen cted Human Carcinogen	ntial carcinog ic effect. OSH X r Research on mans renic to Human enic to Human am) sonably Antici ogen	A I Cancer)	Mexico A2
	Sensitization Carcinogenicity Component Silicon carbide IARC (International Agents) NTP: (National Toxicit ACGIH: (American Contents) Mutagenic Effects	CAS No 409-21-2 gency for Resea ty Program) onference of Go	No information ava The table below in Some agencies lis experimental anim IARC Group 2A arch on Cancer)	ailable ndicates whether e st SiC microfibers/v nal data that sugge NTP Not listed IARC (Intel Group 2A - Group 2B - NTP: (Natii Known - Kti Reasonabl Carcinoger A1 - Knowi A2 - Suspe A3 - Anima ACGIH: (A ailable	ach agency has whiskers as poter ests a carcinogen ACGIH A2 mational Agency for Carcinogenic to Hur Probably Carcinog poal Toxicity Progra nown Carcinogen y Anticipated - Rea n h Human Carcinogen cted Human Carcinogen	ntial carcinog ic effect. OSH X r Research on mans renic to Human enic to Human am) sonably Antici ogen	A I Cancer)	Mexico A2
	Sensitization Carcinogenicity Component Silicon carbide IARC (International Agent NTP: (National Toxicit ACGIH: (American Co Hygienists) Mutagenic Effects Reproductive Effects	CAS No 409-21-2 gency for Resea ty Program) onference of Go	No information ava The table below in Some agencies lis experimental anim IARC Group 2A arch on Cancer)	ailable ndicates whether e st SiC microfibers/v nal data that sugge NTP Not listed IARC (Intel Group 2A - Group 2B - NTP: (Natii Known - Ki Reasonabl Carcinoger A1 - Knowi A2 - Suspe A3 - Anima ACGIH: (A ailable ailable.	ach agency has whiskers as poter ests a carcinogen ACGIH A2 mational Agency for Carcinogenic to Hur Probably Carcinog poal Toxicity Progra nown Carcinogen y Anticipated - Rea n h Human Carcinogen cted Human Carcinogen	ntial carcinog ic effect. OSH X r Research on mans renic to Human enic to Human am) sonably Antici ogen	A I Cancer)	Mexico A2

Silicon carbide powder		.:	14. 14.		, i	1. 1.	Revisio	on Date 26	Mar-2024
Aspiration hazard	No inform	ation ava	ailable		·	:		·	
Symptoms / effects,both acute and delayed	No inform	ation ava	ailable						
Endocrine Disruptor Information	No inform	ation ava	ailable			· .			
Other Adverse Effects	The toxico	ological p	properties	have not	been fully inv				
	12.	Ecol	ogica	l inform	mation		н. 1. с. н.		
Ecotoxicity Do not empty into drains. Do not flush		1.1	or sanitar	y sewer sy				÷.,	
Persistence and Degradability	Insoluble		ilabla						
Bioaccumulation/ Accumulation Mobility	No inform			vironmen	t due its low v	vater so	lubility.		
									14

Waste Disposal Methods	Chemical waste generators must determine whether a discarded chemical is classified as a
	hazardous waste. Chemical waste generators must also consult local, regional, and
	national hazardous waste regulations to ensure complete and accurate classification.

			14. Tra	inspor	t inforn	nation			
DOT TDG IATA			Not regulated Not regulated Not regulated						
IMDG/IMO	111	· · · ·	Not regulated	1. C.			1. J.	 1.1.1	· · · ·
			15. Reg	ulator	y infor	mation			

#### United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
Silicon carbide	409-21-2	X	ACTIVE	···

Not applicable

Not applicable

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed '-' - Not Listed

# TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)

TSCA 12(b) - Notices of Export

International Inventories Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	1.1	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Silicon carbide		409-21-2	Х	-	206-991-8	Х	Х	Х	Х	Х	KE-31031
KECL - NIER number or KE r	numbe	er (http://ncis.nier.o	go.kr/en/m	ain.do)							

## U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
<b>OSHA</b> - Occupational Safety and Health Administration	Not applicable

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65 This product does not contain any Proposition 65 chemicals.

# U.S. State Right-to-Know Regulations

				Rhode Island
Silicon carbide X	X	X	X	X

#### U.S. Department of Transportation

Reportable Quantity (RQ):	N		11		11	 
DOT Marine Pollutant DOT Severe Marine Pollutant	N N					
U.S. Department of Homeland Security	This	s product does		1		

#### Other International Regulations

Mexico - Grade No information available

#### Authorisation/Restrictions according to EU REACH

	Component			CAS	S No	REACH (1907/2006) - Annex XIV - Substances	REACH (1907/2006) - Annex XVII - Restrictions	REACH Regulation (EC 1907/2006) article 59 -		
		1.00				Subject to Authorization				
							Substances	Substances of Very High Concern (SVHC)		
L								Concern	SVHC)	
	Silice	on carbide		409-	-21-2	-	Use restricted. See item	-		
							28.			
							(see link for restriction			
	1. St. 1. St		11.				details)		1.1	
							Use restricted. See item			
							75.			
							(see link for restriction			
			1.1				details)		1.1	

Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)	
Silicon carbide	409-21-2	Listed	Not applicable	Not applicable	Not applicable	

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

> 20-Apr-2010 26-Mar-2024

**Other International Regulations** 

	Component	(2012/18/EC Qualifying Qua		Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	<b>Convention (PIC)</b>	Basel Convention (Hazardous Waste)
Silicon carbide		409-21-2	Not applicable	Not applicable	Not applicable	Not applicable

### 16. Other information

Prepared By

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Creation Date Revision Date Print Date Revision Summary

26-Mar-2024 New emergency telephone response service provider.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# End of SDS

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