



# SAFETY DATA SHEET

5220 | SILICON CARBIDE

## 1. Identification of substance/preparation and of the company undertaking

<b>Trade Name:</b>	Silicon Carbide
<b>Chemical Name:</b>	-

## 2. Composition /information on ingredients

<b>Chemical characterisation (substance):</b>	
<b>Definition according to EC Directive:</b>	CSI Silicon Carbide (SIC)
<b>CAS No</b>	409-21-2
<b>EINECS No:</b>	206-991-8

## 3. Hazards Identification

<b>Critical hazards to man and environment:</b>	None
---	------

## 4. First Aid Measures

<b>Inhalation:</b>	No special action required.
<b>Skin Contact:</b>	No special action required.
<b>Eye Contact:</b>	Flush with plenty of water. Seek medical advice if irritation persists.
<b>Ingestion:</b>	No special action required.



## 5. Fire Fighting Hazards

<b>General Information:</b>	Inflammable.
<b>Suitable extinguishing Media:</b>	Use extinguishing measures appropriate to the source of the fire.
<b>Extinguishing media which must not be used for safety reasons:</b>	None Known.
<b>Special exposure hazards arising from the substance itself, combustion products, resulting gases:</b>	None known.
<b>Special protective equipment:</b>	Not applicable.

## 6. Accidental Release Measure

<b>Personal Precautions:</b>	Avoid dust formation.
<b>Environmental precautions:</b>	No special measures required.
<b>Methods for cleaning up:</b>	Take up mechanically and dispose of in accordance to regulations.

## 7. Handling & Storage

<b>Precautions for safe handling:</b>	Avoid dust formation.
<b>Precautions against fire and explosions:</b>	No danger of fire and explosion.
<b>Conditions of storage rooms and vessels:</b>	No special precautionary measures.
<b>Advice of storage of incompatible materials:</b>	None
<b>Further information for storage:</b>	None.

## 8. Exposure Control/Personal Protection

<b>Further Information for system design and engineering measures:</b>	N/A
<b>Components with specific control parameters as limit values:</b>	Observe the local regulations in terms of fine dust (e.g.: TWA value 5 mg/ m <sup>3</sup> ; MAK value 4 mg/ m <sup>3</sup> ).
<b>General protection and hygiene measures:</b>	Observe standard industrial hygiene practice.
<b>Respiratory protection:</b>	Avoid inhaling the powder. Fine- dust mask with category P1 filter must be used if fine dust limits are exceeded.
<b>Hand protection:</b>	Protective gloves are recommended.
<b>Eye Protection:</b>	Safety glasses are recommended.



## 9. Physical & Chemical Properties

<b>Form:</b>	Grains, granules and powder.
<b>Colour:</b>	Green, grey, and black.
<b>Odour:</b>	Odourless.
<b>Change in physical state:</b>	Does not melt, sublimation point >2500° C.
<b>Flash Point:</b>	N/A.
<b>Flammability:</b>	N/A
<b>Ignition Temperature:</b>	N/A
<b>Auto-flammability:</b>	N/A
<b>Oxidising properties:</b>	N/A
<b>Explosive properties:</b>	N/A
<b>Vapour Pressure:</b>	N/A
<b>Specific Gravity:</b>	Approx. 3200kg/ m <sup>3</sup> .
<b>Bulk Density:</b>	(700- 1700) kg/ m <sup>3</sup> .
<b>Solubility in water:</b>	Insoluble.
<b>pH value:</b>	N/A
<b>Partition Coefficient octanol/ water:</b>	N/A.

## 10. Stability & Reactivity

<b>General Information:</b>	The material is stable. No hazardous reactions known.
<b>Conditions to avoid:</b>	N/A.
<b>Materials to avoid:</b>	N/A.
<b>Hazardous decomposition products:</b>	Not known.

## 11. Toxicological Information

<b>General Information:</b>	No hazardous effects known.
<b>Acute Toxicity:</b>	Not known.

## 12. Ecological Information

<b>Information on elimination:</b>	Chemically inert and insoluble in water.
<b>Behaviour in environmental compartments:</b>	No environmental problems expected, if handled and treated in accordance with standard industrial practice.

## 13. Disposal Considerations

<b>Material:</b>	Can be disposed with domestic waste, observe local regulations.
<b>Contaminated packaging:</b>	Can be disposed with domestic waste, observe local regulations.



#### 14. Transport Information

##### Land Transport classification

GGVS/GGVE:	Non hazardous material.
RIDI/ ADR:	Non hazardous material.

##### Inland waterways classification

ADN/ ADNR:	Non hazardous material.
------------	-------------------------

##### Maritime transport classification

IMDG/GGV Sea Code:	Non hazardous material
UN- Number:	Not classified.

#### 15. Regulatory Information

##### Classification according to EC guidelines

Danger symbol and danger text of product:	None.
R Phrases	None
S Phrases	None
National regulations:	Observe local regulations.

#### 16. Other Information

Further Information:	The details are based on our current state of knowledge; however, they do not constitute any assurance of product properties and cannot be the basis of any legal contractual relations.
Issuing department:	Environmental Protection department.