

XI'AN FUNCTION MATERIAL GROUP CO., LTD Material Safety Data Sheet

Silicon Carbide

1. Product and Company Identification	
Trade Name:	Silicon carbide
Chemical Formula:	SiC
Recommended Use:	Scientific research and development
Manufacturer/Supplier:	XI'AN FUNCTION MATERIAL GROUP CO., LTD
Street:	No. 69, Gazelle Valley, High-Tech Zone
City:	XI'AN
State:	Shannxi
Zip Code:	710077
Country:	China
Tel #:	+86-29-88993870/+86-13519132051
10111.	100 27 00773070/1100 13317132031
	2. Hazards Identification
Signal Word:	Warning
Hazard Statements:	H315 Causes skin irritation H319 Causes serious eye irritation
Precautionary Statements:	P261 Avoid breathing dust/fume/vapor P305+P351 If in eyes: Rinse cautiously with water for several minutes.
HMIS Health Ratings (0-4):	
Health:	1
Flammability:	0
Physical:	0
	3. Composition
Chemical Family:	Ceramic
Additional Names:	Carborundrum, Moissanite
Silicon carbide (SiC):	
Percentage:	100 wt%
CAS #:	409-21-2
EC #:	206-991-8

4. First Aid Procedures

Seek medical attention if symptoms persist. General Treatment:

Special Treatment: None **Important Symptoms:** None

Skin:

Remove victim to fresh air. Supply oxygen if breathing is difficult. Inhalation: Ingestion:

Give one to two glasses of water and induce vomiting. Never induce

vomiting or give anything by mouth to an unconscious person.

Wash affected area with mild soap and water. Remove any

contaminated clothing.

Flush eyes with water, blinking often for several minutes. Remove Eyes:

contact lenses if present and easy to do. Continue rinsing

5. Fire and Explosion Hazards Data

Flammability: Non-flammable

Flash Point: N/A Autoignition Temperature: N/A

No special restrictions – use suitable extinguishing agent for Extinguishing Media:

surrounding material and type of fire. Do not use water for metal fires –

use CO₂, sand, extinguishing powder.

Use full-face, self-contained breathing apparatus with full protective Spec. Fire Fighting Procedure:

clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

If Material Is Released/Spilled: Wear appropriate respiratory and protective equipment specified in

> special protection information. Isolate spill area and provide ventilation. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for disposal.

Take care not to raise dust.

Environmental Precautions: Isolate runoff to prevent environmental pollution.

7. Handling and Storage

Handling Conditions: Wash thoroughly after handling.

Storage Conditions: Store in a cool dry place in a tightly sealed container. Store apart from

materials and conditions listed in section 10.

Do not use tobacco or food in work area. Wash thoroughly before Work/Hygienic Maintenance:

eating and smoking. Do not blow dust off clothing or skin with

compressed air.

Ventilation: Provide sufficient ventilation to maintain concentration at or below

threshold limit.

8. Exposure Controls and Personal Protection

5 mg/m³ as SiC, non-fibrous respirable fraction Permissible Exposure Limits:

15 mg/m³ as SiC, non-fibrous total dust

Threshold Limit Value: 10 mg/m³ as SiC, non-fibrous

Special Equipment: None

Respiratory Protection: **Dust Respirator** Protective Gloves: Rubber gloves

Eve Protection: Safety glasses or goggles

Body Protection: Protective work clothing. Wear close-toed shoes and long

sleeves/pants.

9. Physical and Chemical Characteristics	
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ushers showed 15 cases of	
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orted	

16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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