



# **GREAT LAKES INDUSTRIES, INC**

## **MATERIAL SAFETY DATA SHEET**

**PRODUCT :** Silicon Carbide Grain and Powder

**CHEMICAL FORMULA :** SiC

<b>COMPOSITION INFORMATION :</b>	<b>Element</b>	<b>Content</b>	<b>CAS Number</b>
	SiC	>97%	409-21-2

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### **PHYSICAL/CHEMICAL CHARACTERISTICS:**

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Specific Gravity:	3.2
Melting Point:	> 2300°C
Solubility in Water:	Insoluble
Solubility in Other Compounds:	Not relevant
Appearance and Odor:	Grey to Black– No odor

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### **FIRE AND EXPLOSION DATA:**

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Flash Point (Method Used):	Not Applicable
Flammable Limits:	Not Applicable
Extinguishing Media:	This material is non-combustible. Use extinguishing media that is appropriate for the surrounding fire.
Special Fire Procedures:	None
Unusual Fire and Explosion Hazards:	Not Applicable

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### **REACTIVITY DATA:**

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Stability:	Stable
Incompatibility:	Not Applicable
Hazardous Decomposition:	Not Applicable
Hazardous Polymerization:	Will not occur
Conditions To Avoid:	None



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## **HEALTH HAZARD DATA:**

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Primary Route(s) of Entry:	Inhalation
Health Hazards:	Acute – Upper respiratory irritation Chronic – May lead to extensive fibrosis and progressive lung disease.
Carcinogenicity:	No
Signs and Symptoms of Exposure:	Respiratory distress, cough or shortness of breath.
Emergency and First Aid Procedures:	Remove from area of dust exposure. If the powder gets in eyes, flush immediately with large quantities of clean cool water. If ingested, wash out mouth with water. Contact medical assistance if necessary.

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## **PACKAGING INFORMATION:**

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Packaging:	Supersacks (Coated Fabric); Fiber Drums; or Paper Bags
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## **PRECAUTIONS FOR SAFE HANDLING AND USE:**

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Steps to be taken in case material is released or spilled	Sweep, shovel or vacuum material.
Waste Disposal Method:	May be land filled in accordance with local, state and Federal regulations.
Precautions to be taken in handling and storing:	None.

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## **CONTROL MEASURES:**

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Ventilation:	Local exhaust recommended.
Protection Gloves:	Recommended to use.
Eye Protection:	Recommended to use.
Other Protective Clothing/Equipment:	None
Work/Hygienic Practices:	Minimize generation of dust.

- The information published in this Material Safety Data Sheet has been compiled from our experience, and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the user's application and for adopting necessary safety precautions.