



Safety Data Sheet according to Regulation (EC) No 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: SILICON CARBIDE

Contains: Electro Fused Minerals Metals & Abrasives – Silicon Carbides.

Intended Use: Blast cleaning abrasive for industrial use.

Supplier: Guyson International Ltd.
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2. HAZARDS IDENTIFICATION

Hazardous Components: The hazardous components are not present in sufficient concentration for the product to require classification under EC Directives.

Human Health Effects: The material is not considered hazardous in normal use but the following potential hazards should be recognised:

- (a) Dust - Inhalation.
- (b) Skin irritation in susceptible individuals.
- (c) Noxious fumes evolved during fire.

Environmental Effects: On the basis of information available, these products are not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

ITEM	CONTENT (%)	CAS NO.	EINECS NO.
Silicon Carbide	100	409-21-2	206-991-8

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4. FIRST AID MEASURES

The product may cause temporary mechanical irritation to the eyes, nose, throat and lungs.

Eye contact	Remove contact lenses and rinse the eyes with open eye lids for 10 minutes under running water.
Skin contact	Wash off with soap & water. If irritation persists or any sign of tissue damage is apparent, obtain medical advice immediately.
Inhalation	Provide the affected person with fresh air consult a doctor in case of irritation of the respiratory tract.
Ingestion	Rinse out mouth and drink water. Obtain medical advice.
Advice to physician:	No specific advice.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use an extinguishing agent appropriate to the surrounding materials.
Unsuitable extinguishing media	NA
Unusual fire & explosive hazards	<p>This product will not ignite as a dust in its own right in any suspended dust concentrations. The product is an inert electro mineral up to its physical decomposition point.</p> <p>Consideration of dust explosion levels must be considered where a substrate being processed creates a possible explosive dust. In this instance refer to the component/metal/substrate suppliers data pertaining to its respective characteristics.</p>
Specific hazards	Inhalable dust.
Advice for fire-fighters	Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

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Personal Precautions:	Avoid dust inhalation, observe occupational exposure limits detailed in section 8.
Environmental Precautions:	Do not allow to enter drains & water courses.
Methods of Cleaning Up:	Vacuum or sweep up, for disposal see section 13.

7. HANDLING AND STORAGE

Handling:	Handle in normal manner and be mindful of manual handling methods. (weights) keep dust formation to a minimum.
Storage:	Store in closed bags / containers in dry well ventilated areas.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Measures:	Preferred methods of use are either in a blast cabinet with a dust collector or in a closed-circuit blasting system.
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If a blast room is used it must have a dust extraction system to keep dust levels below the occupational exposure limits.

Occupational Exposure Limits

Formula	CONTENT (%)	CAS NO.	EINECS NO.	Inhalable	Respirable
Silicon Carbide	100	409-21-2	206-991-8	10 mg/m ³	4 mg/m ³

Industrial hygiene	Wash hands before breaks and at end of work.
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Personal Protective Equipment



Blast cabinet

Hand protection

Gloves - appropriate gauntlets

Eye protection

Safety glasses or tight-fitting protective goggles. EN 166

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Respiratory equipment	Normally, no personal respiratory protection is necessary. A breathing mask is to be worn when handling dust or cleaning out the system. (FFP2 or FFP3)
Body protection	With normal use body protection by half or full-body coverall and boots is required.
Personal Protective Equipment	Blast Room Blasting operatives should wear a CE marked approved blasting helmet. Operatives should always wear appropriate gauntlets. Operatives should wear a purpose designed blasters' suit.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid Grey/black/green angular particles.
Odour	Odourless.
Explosion hazard	The product is not explosive, however formation of explosive air / dust mixtures is possible.
Melting point (°C)	2000°C
pH-value	NMA (Not meaningfully applicable).
Flash point (°C)	NA
Ignition temperature	NA
Water soluble	Insoluble in water.
Specific gravity	Approx. 3.3 g/cm ³

10. STABILITY AND REACTIVITY

Conditions to avoid:	Excessive thermal exposure to decomposition points.
Hazardous Decomposition:	None, products change from solids to liquids with no adverse decomposition.

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11. TOXICOLOGICAL INFORMATION

Laboratory Data:

These materials have been tested for toxicity in line with REACH requirements for submission of the technical dossier as part of the registration for High Volume Industrial Substance. They are not classified under EC Directives.

Human Data:

The human data available is compiled as part of the REACH Registration Technical Dossier under Joint Submission for Silicon Carbides. It is not classified under EC Directives and exposure controls should be adhered to, refer to section 8.2.

12. ECOLOGICAL INFORMATION

Assessment:

Handled correctly these products pose no serious environmental hazard.

Test Results:

These products do not contain any substances that are classified under EC legislation for environmental effects.

13. DISPOSAL CONSIDERATIONS

The abrasive must be disposed of in accordance with national legislation and local regulations.

The material as supplied is classed as a non-hazardous inert solid waste.

The waste producer must determine if hazardous substances in the coating being removed are likely to cause the waste to be hazardous.

14. TRANSPORT INFORMATION

Land Transport (ADR/RID)
Marine Transport (IMO/IMD)
Air Transport

Not classified according to Transport Regulations for Hazardous/Dangerous Goods

15. REGULARITY INFORMATION

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Classification:	This product range is not hazardous according to Directive 67/548/CE, 199/45/CE and 1272/2008/CE.
Labelling Requirement:	Not subject to labelling in accordance with current regulations
Registration:	This product has been registered under the requirements of REACH regulation for High Volume Industrial Substance under numbers 01-2119402892-42-0065

16. OTHER INFORMATION

Disclaimer

It remains the users own responsibility to ensure that the information contained is appropriate for the use of this product.

The information contained herein is to the best of our knowledge accurate, however, as circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which results directly or indirectly from the use of such information.