

GEMCUTS PTY LTD

Date of Issue 24-10-2019

**SAFETY DATA SHEET
SILICON CARBIDE ABRASIVE**

IMPORTANT NOTICE: This Safety Data Sheet (SDS) is issued by Gemcuts Pty Ltd in accordance with National Occupational Health and Safety Commission guidelines. The information contained in this document must not be added to, deleted or altered. Gemcuts Pty Ltd will issue a new SDS when there is a change in the product specifications and/or with the National Occupational Health and Safety Commission guidelines/ regulations. Gemcuts Pty Ltd will not accept any responsibility for any changes made to its SDS in content by any other person or organisation.

CLASSIFICATION OF MATERIAL

This material is Not hazardous according to health criteria of Worksafe Australia.

1. IDENTIFICATION OF THE MATERIAL & SUPPLIER

Product	Black Silicon Carbide, Carborundum Grit
Recommended Use	Abrasive Media
Supplier/Importer	Gemcuts Pty Ltd
ABN	43 780 687 841
Manufacturer	Gemcuts Pty Ltd
Address	36A Smith Drive, West Ballina NSW 2478
Telephone Number	02 66911686
Facsimile	N/A
Email	admin@gemcuts.com.au
Emergency Telephone	131126 Poisons Information Centre 0427012014

SAFETY DATA SHEET**2. HAZARDS IDENTIFICATION****2.1 Hazards Classification:**

N/A

2.2 Hazard Category:

N/A

2.3 Hazard Phrase(s)**H316, H320:** Dust produced in use may cause mild irritation of skin, eyes, and respiratory tract**H373:** May cause damage to organs through prolonged or repeated exposure.**2.4 Risk Phrase(s):****R48/20 Harmful:** danger of serious damage to health by prolonged exposure through inhalation. (Dust proportion)**2.5 Safety Phrase(s):****S22:** Do not breathe dust**S51:** Use only in well-ventilated areas**2.6 Precautionary Phrase(s)****P261:** Avoid breathing dust, may cause respiratory tract irritation.**P264:** Wash thoroughly after handling. Avoid skin irritation by wearing protective gloves. If needed wear eye protection and dust mask.**2.7 Signal Word:**

None

Emergency Overview: Dust generated in use may cause temporary irritation to skin, eyes, nose and respiratory tract. Exposure should be minimised.

SAFETY DATA SHEET

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Product Description: Dark Grey Granules.

3.2 Contents

Chemical Name	CAS Number	Proportion %
Silicon Carbide	409-21-2	100%

In this form, Silicone content is chemically combined and is inert.

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre,

Phone (Australia) 131 126

Inhalation: Give clean air to breathe. If an irritation occurs, the affected parties should be moved (or move themselves) away from the product or its dusts into a source of fresh air. Prostheses such as false teeth, which may block the airways, should be removed where possible prior to initiating first aid procedures.

Skin Contact: Wash with plenty of water

Eye Contact: Wash with plenty of water

Ingestion: The patient should be given water to drink and medical attention should be sought if any abdominal symptoms occur. Vomiting should not be induced, but if vomiting occurs, the patient should be leant forward or placed on their left hand side to maintain an open airway.

Professional medical attention should be sought if symptoms persist.

5. FIRE FIGHTING MEASURES

5.1 Explosion Hazard: None

5.2 Fire Fighting Advice: None

5.3 Suitable Extinguishing Media: Not relevant

SAFETY DATA SHEET

6. ACCIDENTAL RELEASE MEASURES

Emergency Action: If material cannot be recovered, transfer to waste container and dispose in local landfill in compliance with Local, State and Commonwealth regulations

7. HANDLING & STORAGE

7.1 Handling Advice: This product is abrasive. When handling this material ensure that workers stay away from equipment that is moving and/ or processing exposed material and avoid coming into contact with the product by wearing:

- A suitable respiratory protective device conforming to AS/NZS 1715: 2009– Selection, use and maintenance of respiratory protective devices. A Class P2 Particulate Respirator is typically most appropriate.
- Suitable gloves conforming with AS/ NZS 2161: 2008 – Occupational protective gloves. Standard duty leather/pigskin, rubber or neoprene gloves are typically most appropriate.
- Full length protective trousers and shirts (or overalls).
- Suitable eye protection conforming with AS/ NZS 1336: 1997 – Recommended practices for occupational eye protection. Low impact goggles with indirect ventilation (HT or CT with C, D optional) are typically most appropriate. Additional handling procedures should include:
 - Limit exposure to the product.
 - Wash any areas of the body that the product may have come into contact after exposure.
 - Regularly vacuum enclosed areas where the product is used or install a dust extraction system.
 - When handling this material ensure the environment is protected from releases by not moving the material during adverse weather conditions such as wind and precipitation, bunding the handling area and providing wind breaks.
 - As with all dust materials, ensure adequate ventilation against the relevant exposure standards (Section 8) and also to prevent dust explosions.
 - Shower and change after completion of blasting.
 - Wash hands and face after handling and blasting

7.1 Storage Advice: Store in a cool dry space, well ventilated.

SAFETY DATA SHEET

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational Exposure Limits: NH&MRC TLV for respirable dust: 10mg/m³

8.2 Engineering Control Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation and while wearing a dust mask.

8.3 Personal Protective Equipment:

OVERALLS, SAFETY SHOES, GOGGLES, GLOVES, APPROVED DUST MASK.

Wear overalls, goggles and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet, Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Solid
Colour:	Dark grey to black granules
Odour:	Odourless
Size (millimetres)	Various Granules in Microns
Weight (grams)	Various
Solubility:	Insoluble
Density	3.271
Flash Point (°C):	N/A
Melting Point (°C)	2700

10. STABILITY & REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None known

Hazardous Reactions: None known

Incompatible Materials: None known

SAFETY DATA SHEET

11. TOXICOLOGY INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Swallowing any amount of this product may cause immediate or delayed abdominal discomfort due to abrasion. It is not recommended to repeatedly swallow this material.

Eye Contact: In the event that any dose of this material or the dust comes into contact with the eyes it may have an immediate or delayed irritating effect resulting in redness and watering or an infection. It is not recommended to repeatedly allow this material to come into contact with the eyes.

Skin Contact: Any level of skin contact with this product and/or their dusts may lead to immediate or delayed skin irritations and in susceptible people with sensitive skin, dermatitis or skin infection. It is not recommended for people susceptible to skin irritations to repeatedly allow this material to come into contact with the skin

Inhalation: Inhalation of large amounts of dust from this product may have an immediate or delayed effect to irritate, inflame or sensitise the nose, throat and lungs, and exacerbate pre-existing conditions such as asthma and bronchitis. Inhalational studies in rats with silicon carbide dust (20 mg/m³) reported no significant effects on the lungs compared to the adverse effects of quartz dust. It is not recommended for people to repeatedly inhale this material.

Long Term Effects: Excess mortality from asthma, emphysema, chronic bronchitis, pneumoconiosis and lung cancer among silicon carbide workers has been reported. Contact with this product outside of intended use is not recommended.

12. ECOLOGICAL INFORMATION

None Identified

13 DISPOSAL CONSIDERATIONS

Not classified as hazardous. Commonwealth, State and Local laws governing disposal of material can differ. Ensure proper disposal compliance with the proper authority before disposal.

SAFETY DATA SHEET

14. TRANSPORT INFORMATION

14.1 **Road and Rail Transport:** Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail

14.2 **Marine Transport:** Not Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

14.3 **Air Transport:** Not Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

14.4 **Proper Shipping Name:** Silicon Carbide abrasive

15. REGULATORY INFORMATION

Work Health and Safety Regulation 2017 Chapter 3 Part 3.2 Division 7

Managing risks from airborne contaminants

AS/NZS 1715

AS/NZS 1716

AS/ NZS 2161: 2008 – Occupational protective gloves

16. OTHER INFORMATION

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Gemcuts Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Gemcuts Pty Ltd at the contact details on page 1.

Gemcuts Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.